
Environmental Action Committee

Date

2019/12/10

Time

9:30 AM

Location

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

Members

Matt Mahoney	Councillor - Ward 8 (Chair)
Stephen Dasko	Councillor - Ward 1 (Vice-Chair)
George Carlson	Councillor - Ward 11
Brad Bass	Citizen Member
Chelsea Dalton	Citizen Member
Lea Ann Mallett	Citizen Member
Pujita Verma	Citizen Member
Shazerah Qureshi	Peel Environmental Youth Alliance
Carina Suleiman	University of Toronto Mississauga
Alice Casselman	Association for Canadian Educational Resources
Britt McKee	Ecosource
Melanie Kramer	Credit Valley Conservation
Joel Longland	Partners in Project Green

Non-Voting Members

Teresa Ierullo	Greening Sacred Spaces
Brad Butt	Mississauga Board of Trade
Sid Gendron	Sawmill Sid Inc.

Contact

Dayna Obaseki, Legislative Coordinator, Legislative Services
905-615-3200 ext. 5425
dayna.obaseki@mississauga.ca

Find it Online

<http://www.mississauga.ca/portal/cityhall/environmentalactioncommittee>

COMMITTEE AGNEDA INDEX**1. CALL TO ORDER****2. APPROVAL OF AGENDA****3. DECLARATION OF CONFLICT OF INTEREST****4. MINUTES OF PREVIOUS MEETING**

- 4.1. Environmental Action Committee DRAFT Minutes – November 12, 2019

5. DEPUTATIONS

- 5.1. Gail Shipclark, Scout Leader, and Youth Scouts, 1st Port Credit Sea Scout Troop (Scouts Canada) to present on Plastic Pollution in Our Great Lakes
- 5.2. Kyle Menken, Technician and Shannon Malloy, Specialist, Integrated Water Management Team, Credit Valley Conservation to present Making Green Infrastructure Mainstream
- 5.3. Britt McKee, Executive Director, Ecosource to present on Ecosource's Community Gardens and Urban Agriculture Program
- 5.4. Christopher Pyke, Supervisor, Waste Diversion to present on the Waste Diversion Priorities for 2020
- 5.5. Diana Suzuki-Bracewell, Supervisor Environmental Outreach and Heliya Babazadeh, Outreach Coordinator to present on the 2019 Overview on the Environmental Outreach Program

6. PUBLIC QUESTION PERIOD - 15 Minute Limit (5 Minutes per Speaker)

Pursuant to Section 42 of the *Council Procedure By-law 0139-2013*, as amended:

Environmental Action Committee may grant permission to a member of the public to ask a question of Environmental Action Committee, with the following provisions:

1. The question must pertain to a specific item on the current agenda and the speaker will state which item the question is related to.
2. A person asking a question shall limit any background explanation to two (2) statements, followed by the question.
3. The total speaking time shall be five (5) minutes maximum, per speaker.

7. MATTERS TO BE CONSIDERED

- 7.1. Environmental Action Committee Work Plan

8. INFORMATION ITEMS

- 8.1. Climate Change Action Plan Status Update (**Verbal**)

9. OTHER BUSINESS**10. ENQUIRIES****11. DATE OF NEXT MEETING**

Tuesday, February 4, 2020 at 9:30am
Hearing Room, Civic Centre
300 City Centre Drive
Mississauga, ON L5B 3C1

12. ADJOURNMENT

City of Mississauga

Minutes



Environmental Action Committee

Date

2019/11/12

Time

9:30 AM

Location

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

Members Present

Matt Mahoney	Councillor - Ward 8 (Chair)
Stephen Dasko	Councillor - Ward 1 (Vice-Chair)
George Carlson	Councillor - Ward 11
Brad Bass	Citizen Member
Lea Ann Mallett	Citizen Member
Carina Suleiman	University of Toronto Mississauga
Alice Casselman	Association for Canadian Educational Resources
Britt McKee	Ecosource
Melanie Kramer	Credit Valley Conservation
Joel Longland	Partners in Project Green

Non-Voting Members

Brad Butt	Mississauga Board of Trade
-----------	----------------------------

Members Absent

Chelsea Dalton	Citizen Member
Pujita Verma	Citizen Member
Shazerah Qureshi	Peel Environmental Youth Alliance
Teresa Ierullo	Greening Sacred Spaces
Sid Gendron	Sawmill Sid Inc.

Staff Present

Dianne Zimmerman, Manager, Environment
Lisa Urbani, Environment Research Assistant, Environment
Muneef Ahmad, Manager, Stormwater Projects
Teresa Chan, Specialist, Climate Change
Dayna Obaseki, Legislative Coordinator, Legislative Services

Find it online

<http://www.mississauga.ca/portal/cityhall/environmentalactioncommittee>

1. **CALL TO ORDER** – 9:37 AM2. **APPROVAL OF AGENDA**Approved (B. Bass)3. **DECLARATION OF CONFLICT OF INTEREST** – Nil.4. **MINUTES OF PREVIOUS MEETING**4.1 Environmental Action Committee Minutes – October 8, 2019Approved (A. Casselman)5. **DEPUTATIONS**5.1. Smart Blue Roof Systems

Bernadeta Suroweic, Specialist, Integrated Water Management, Credit Valley Conservation (CVC)

Ms. Suroweic provided an overview on the Smart Blue Roof Systems for Flood and Drought Resilience and Adaptation. Blue Roofs are a temporary detention of rainwater on flat, low-sloped roofs that stores and slowly releases stormwater. Conventional flat roofs do not use the maximum potential to manage stormwater. Green roofs are great, however most pollinators do not go up passed 15 storeys. Active Blue Roofs use a smart system approach that involves valve configuration to regulate roof discharge that is controlled by an electronic application program to optimize the release of ponded water, while Passive Blue Roofs use stagnant hydraulic structures. The benefits associated with the Smart Blue Roof Systems are water and energy efficiency as well as stormwater management, cost savings and reduction in GHG emissions.

Members of the Committee spoke to the matter and raised the following questions and concerns;

- Inquired about the cost of installation and maintenance;
- Inquired about what the contingency plan would be if the internet connection fails for the application system for an active blue roof;
- Inquired about the potential issues (e.g. algae and mosquitos) surrounding standing water;
- Inquired about what occurs during a snow fall and the winter months;
- The feasibility of older buildings installing blue roofs;
- Inquired whether this initiative would qualify for the City's stormwater credit; and
- Inquired if similar economies of scale would be observed, such as the UTM campus and technology hubs.

Ms. Suroweic and Muneef Ahmad, Manager, Stormwater Projects responded to the questions from the Members of the Committee;

- The installation cost is approximately \$250 per square metre. The maintenance is standard to a conventional rooftop.

- If the internet connection fails - the valves open and release the water.
- The standing water does not surpass a 48 hour time period and the small movement of the water keeps away majority of the insects.
- During the winter months the valves remain open and the system is inactive.
- The older buildings usually have more capacity to install blue roofs, however the limitation is the parapet level. If the parapet level cannot be altered a water tray is an alternative.
- Staff would evaluate whether installing a blue roof would be considered a qualification for the stormwater credit.
- Confirmed that similar economies of scale could be observed.

RECOMMENDATION

That the deputation and associated presentation Bernadeta Suroweic, Specialist, Integrated Water Management, Credit Valley Conservation with respect to the Smart Blue Roof Systems for Flood and Drought Resilience and Adaptation be received.

Received (J. Longland)
Recommendation EAC-0039-2019

5.2. Stormwater Master Plan

Muneef Ahmad, Manager, Stormwater Projects

Mr. Ahmad provided an overview on the Stormwater Master Plan (SMP). The goal is to derive a vision that goes beyond the 10 year-plan and assists to prioritize future spending. The vision-based approach focuses on moving, belonging, connecting, prospering and greening by building and maintaining infrastructure, creating great public places, building vibrant communities and connecting the city rain as a resource.

Members of the Committee spoke to the matter and raised the following questions and concerns;

- Inquired will the Stormwater Master Plan (SMP) will include the smart roofs and walls (blue and green) to help with stormwater management; and
- Expressed the need for neighbourhood involvement and community engagement.

Mr. Ahmad and Aiysha Syed, Project Leader Storm Drainage Assets responded to the questions from the Members of the Committee;

- The SMP includes sustainable infrastructure and retrofit work, however will further consider the use of smart walls and roofs. These suggestions may be more focus for a Facility and Property Management Asset Plan.

RECOMMENDATION

That the deputation and associated presentation by Muneef Ahmad, Manager, Stormwater Projects with respect to the Stormwater Master Plan be received for information.

Received (C. Suleiman)
Recommendation EAC-0040-2019

5.3. Climate Change Action Plan (Item 8.1)

Dianne Zimmerman, Manager, Environment

Ms. Zimmerman presented on the final version of the Climate Change Action Plan (CCAP) and requested endorsement from the Members of EAC. The CCAP vision is a low carbon and resilient community achievable through the goals of; Adaption – action to reduce emissions that cause climate and change and Mitigation – action to manage the risks of climate change impacts. Ms. Zimmerman provided an update on the public and staff engagement, which entailed visits to the project website, survey responses and emails from residents as well as hosted four public town halls and two workshops as part of the public consultation and outreach. Majority of the feedback was aligned with the City's goals and targets regarding the CCAP. The changes to the CCAP have included additional actions a corporate waste diversion, goods movement/freight, public health, reducing emissions from the industrial sector, longer term new zero target and the declaration of the climate emergency in June 2019.

Members of the Committee spoke to the matter and raised the following questions and concerns;

- Inquired how are the other departments within the City and any other master plans linked to the CCAP;
- Inquired if there is any benchmarking data regarding the GHG emissions from schools and religious buildings;
 - Suggested community engagement by providing numbers to help measure their contribution to reducing their own emissions.
- Inquired about the cost.

Ms. Zimmerman and Teresa Chan, Specialist, Climate Change responded to the questions from the Members of the Committee;

- Various City departments and master plans have been linked to the CCAP
- The City does not have access to individual building data, only sector (residential, commercial and/or industrial) based information.
- A resource plan will be presented to Council, which will identify the key factors and include estimated costs for the next 10 years as well as a before and after cost analysis regarding the implementation of specific actions linked to climate change initiatives outlined in the CCAP.

RECOMMENDATION

1. That the deputation and associated presentation by Leya Barry, Climate Change Specialist with respect to the final version of the Climate Change Action Plan be received for information.
2. That the Environmental Action Committee are in support of the Climate Change Action Plan and bringing it to General Committee on December 4, 2019 for endorsement.

Please note – the presenter was Dianne Zimmerman, Manager, Environment

Received/Endorsed (L. Mallet)
Recommendation EAC-0041-2019

6. **PUBLIC QUESTION PERIOD** - 15 Minute Limit (5 Minutes per Speaker)

No members of the public requested to speak.

7. **MATTERS CONSIDERED**

7.1. **Paperless Agendas (Verbal)**

Dayna Obaseki, Legislative Coordinator recommended going paperless for agenda distribution for the Environmental Action Committee. This would be an environmental and Lean initiative to be included as an achievable action on the EAC work plan. All EAC agendas will be made available online only with a few index pages brought to each meeting for a reference guide, if needed.

The members were in support of having paperless agendas and it was decided that only online electronic copies of EAC agendas will be provided, which will commence at the next EAC meeting on December 10, 2019.

RECOMMENDATION

1. That the verbal update regarding Paperless Agendas be received.
2. That the Legislative Coordinator for the Environmental Action Committee (EAC) eliminates the distribution of paper copies of the agenda and will only provide electronic copies of the agendas for all EAC meetings starting December 10, 2019.

Received/Approved (B. McKee)
Recommendation EAC-0042-2019

7.2. **Environmental Action Committee Work Plan**

Alice Casselman, Group Representative for ACER requested that an additional section be added to the work plan listed as "Next Steps" to outline the upcoming projects and actions that Committee plans to be involved with.

RECOMMENDATION

That the Environmental Action Committee Work Plan be approved as discussed at the November 12, 2019 Environmental Action Committee meeting.

Approved (B. Bass)
Recommendation EAC-0043-2019

8. **INFORMATION ITEMS**

8.1. **Final Climate Change Action Plan Memo (Item 5.3)**

RECOMMENDATION

That the Final Climate Change Action Plan memo be received for information.

Received (L. Mallet)
Recommendation EAC-0044-2019

8.2. 2020 Environmental Action Committee Meeting Dates

Dayna Obaseki, Legislative Coordinator spoke to the item informing the Committee Members of the upcoming 2020 meeting dates for EAC.

RECOMMENDATION

That the 2020 Environmental Action Committee Meeting Dates be received for information.

Received (M. Kramer)
Recommendation EAC-0045-2019

9. **OTHER BUSINESS**

9.1. Friends of the Credit Conservation Awards – Melanie Kramer, Group Representative

Nominations for the 'Friends of the Credit' Conservation Awards are open until November 29, 2019. For more information, please visit cvc.ca/ConservationAwards

9.2. Partners in Project Green Forum – Joel Longland, Group Representative

Partners in Project Green (a project of TRCA) will be hosting their one-day Forum on Thursday, November 28, 2019 at the Pearson Convention Centre. Full details about the Forum, the speakers, and registration are available at <https://www.partnersinprojectgreen.com/events/forum-2019/>

9.3. Project Crossroads – Alice Casselman, Group Representative

Ms. Casselman provided a brief overview of the last two stakeholders meetings and provided a summary handout. The next consultation session is scheduled for November 26, 2019.

10. **ENQUIRIES** – Nil.

11. **DATE OF NEXT MEETING(S)** - Tuesday, December 10, 2019 - 9:30am, Committee Room A

12. **ADJOURNMENT** – 11AM (C. Suleiman)

The Following Presentation was Created by
the Youth Members of the
1st Port Credit Sea Scout Troop



PLASTIC POLLUTION IN OUR GREAT LAKES

5.1 - 2



FACTS AND STATISTICS

- Plastic accounts for about 80% of all litter in the Great Lakes
- 1000's of pieces of plastic per square kilometer
- By 2050, there will be more plastic than fish
- Plastic damages water quality and harms wildlife
- Plastic pollution threatens drinking water for 40 million people

PLASTIC IN THE ENVIRONMENT

- Plastic wreaks havoc on the natural environment
- Plastic breaks down into smaller pieces called microplastics; never goes away
- Birds, fish + mammals contaminated with microplastics
- Microplastics carried up the food chain to other animals
- Microscopic pieces of plastic found in our drinking water; estimated we consume at least 70,000 – 100,000 plastic particles year





ISSUES CONTRIBUTING TO PLASTIC POLLUTION ONTARIO

- Ontario is one of few Canadian provinces without a deposit return program for beverage containers
- An estimated 1 billion bottles every year end up in landfills and the environment
- Canadian provinces + territories with a deposit-return program recycle over three quarters of their bottles
- Less than half of the plastic bottles used in Ontario find their way to recycling bins



REDUCING PLASTIC POLLUTION

- Eliminating and reducing the amount of plastic will ease the amount of plastic pollution in our waterways
- On a small scale, every person can start at home, at school and at work
- Governments need to impose bans on single-use plastics
- Charging fees to use plastic is not a solution. Many will pay extra money for convenience
- Education and immediate government action are critical

PLANET OR PLASTIC?



PLEASE HELP US TO FIGHT PLASTIC POLLUTION!





Making Green Infrastructure Mainstream: Communal Stormwater Retrofit Feasibility Study

Presented by: Shannon Malloy and Kyle Menken, Credit Valley Conservation

Date: December 10, 2019

The water component of STEP is a collaborative of:



About STEP



STEP is a multi-agency initiative developed to support broader implementation of sustainable technologies and practices within a Canadian context.

The water component of STEP is a conservation authority collaborative. Current partners are:



Lake Simcoe Region
conservation authority



Credit Valley
Conservation
inspired by nature



Toronto and Region
Conservation
Authority

Our key areas of focus are:

- Low Impact Development
- Erosion and Sediment Control
- Road Salt Management
- Natural Features Restoration

Why hasn't widescale green infrastructure uptake occurred?

1. Cost
2. Lack of Space
3. Lack of Implementation Framework



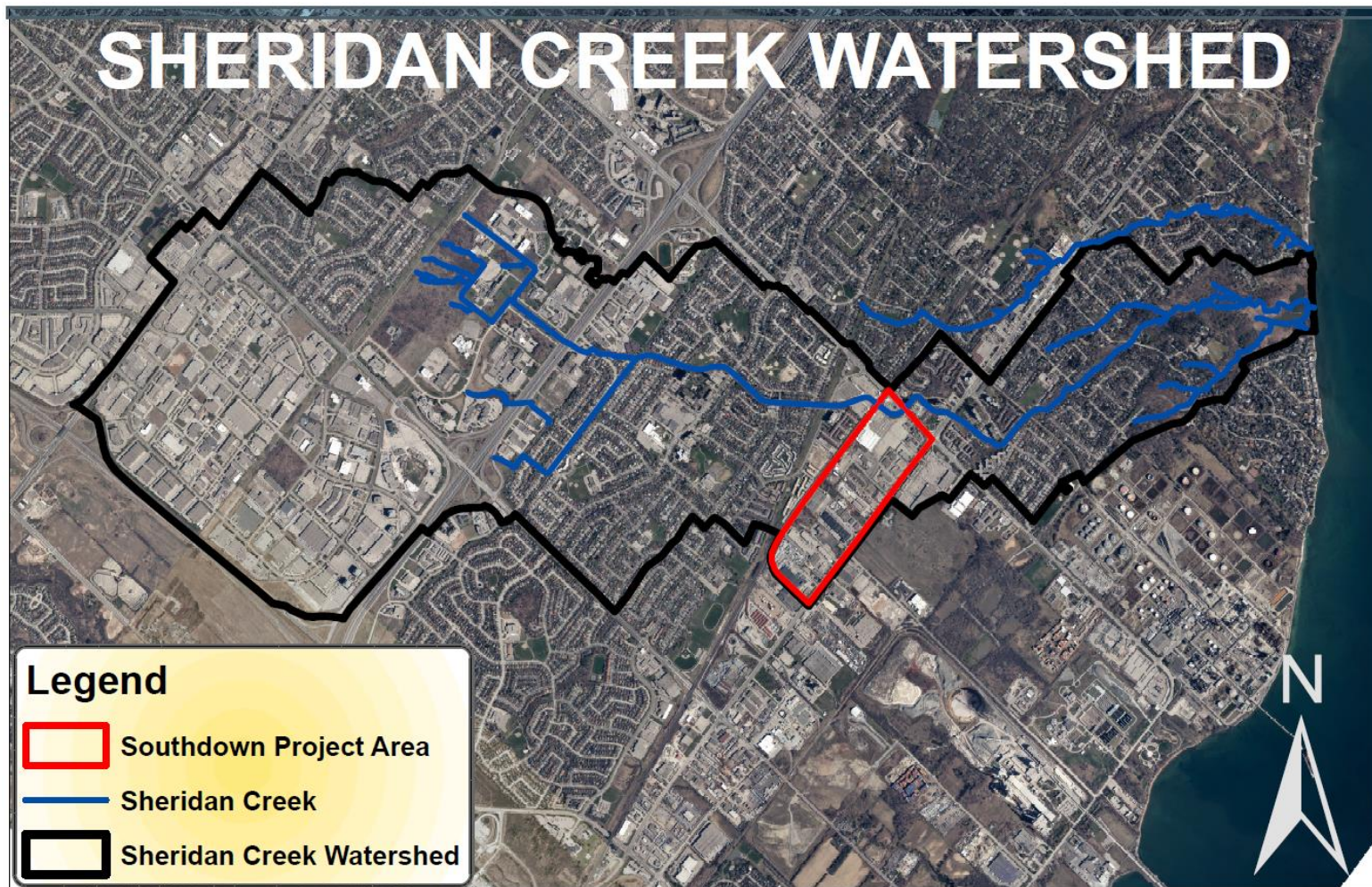
Climate Change Action Plan

Action #12 Continue to enhance flood resilience and stormwater management in the context of changing climate conditions

Supporting Actions	Action Type	Timeline	Cost	Status	Responsibility		Additional Stakeholders
					Lead	Support	
12-1	Assess the condition of the existing stormwater system as part of the Stormwater Asset Management Plan	Plan/ Study	■■■■	\$	Underway	Infrastructure Planning and Engineering Services (Environmental Services)	
12-2	Explore the use of green infrastructure to manage stormwater on publicly and privately-owned properties	Plan/ Study	■■■■	\$	Planned	Infrastructure Planning and Engineering Services (Environmental Services)	Parks, Forestry & Environment (Environment)
12-3	Develop neighbourhood-based flood mitigation plans (for urban overland flooding and sanitary) to identify opportunities to decrease flood risk	Plan/ Study	■■■■	\$\$	Planned	Infrastructure Planning and Engineering Services (Environmental Services)	Conservation Authorities
12-4	Develop a comprehensive Long-Term Stormwater Management Strategy	Plan/ Study	■■■■	\$\$	Underway	Infrastructure Planning and Engineering Services (Environmental Services)	

CVC Feasibility Study in Southdown District

Examine the Technical and Financial Feasibility of Communal LID Retrofits



Stormwater Management Design Scenarios

- 1) Do Nothing – Existing Conditions
- 2) Communal LID – 50% SWM credit
- 3) Communal LID – Integrated 'Ecotopia' Design
- 4) Conventional – Ponds



Drainage Act – a potential tool for implementation

- Provincial Statute
- Enabling Legislation
- Over 180 Years Old
- Three Key Elements
 1. Community Project
 2. Legal Existence
 3. Municipal Infrastructure

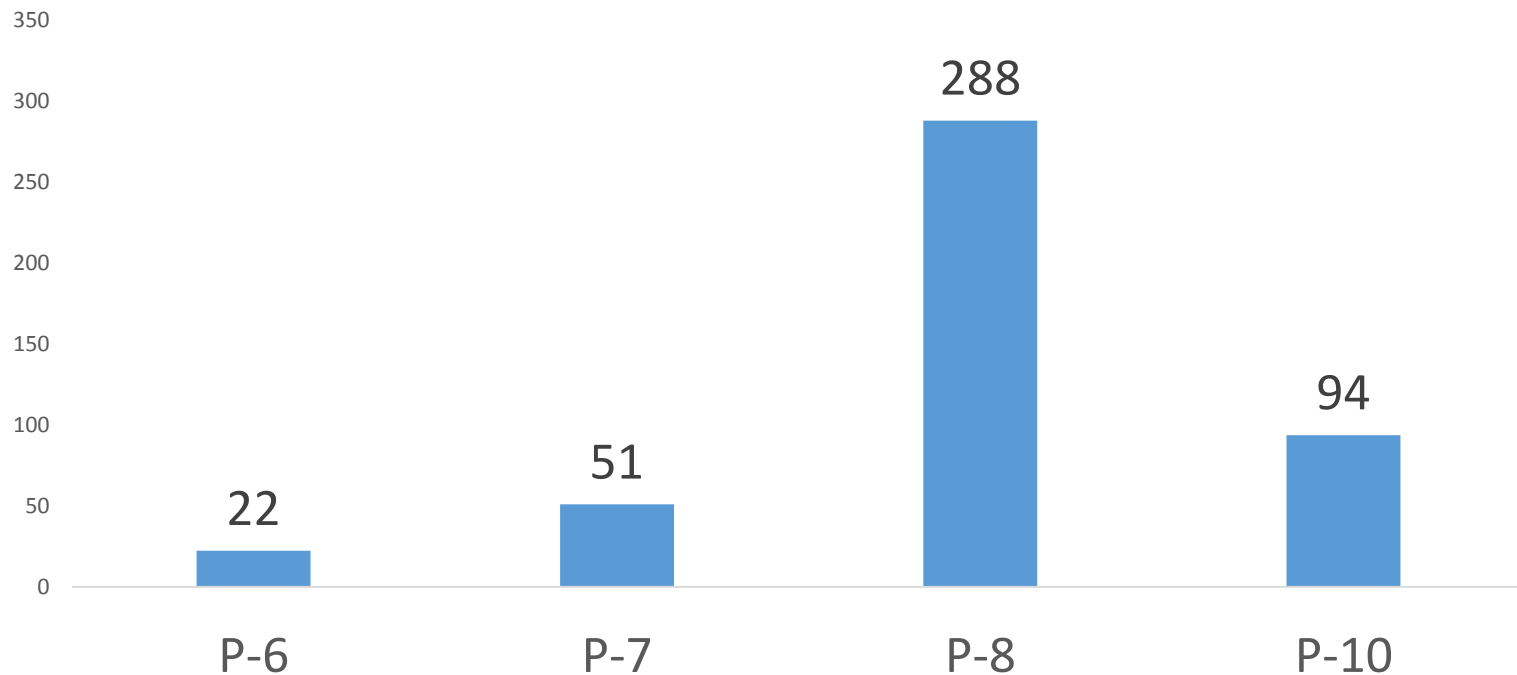


Initial conceptual designs – costs and cost-sharing

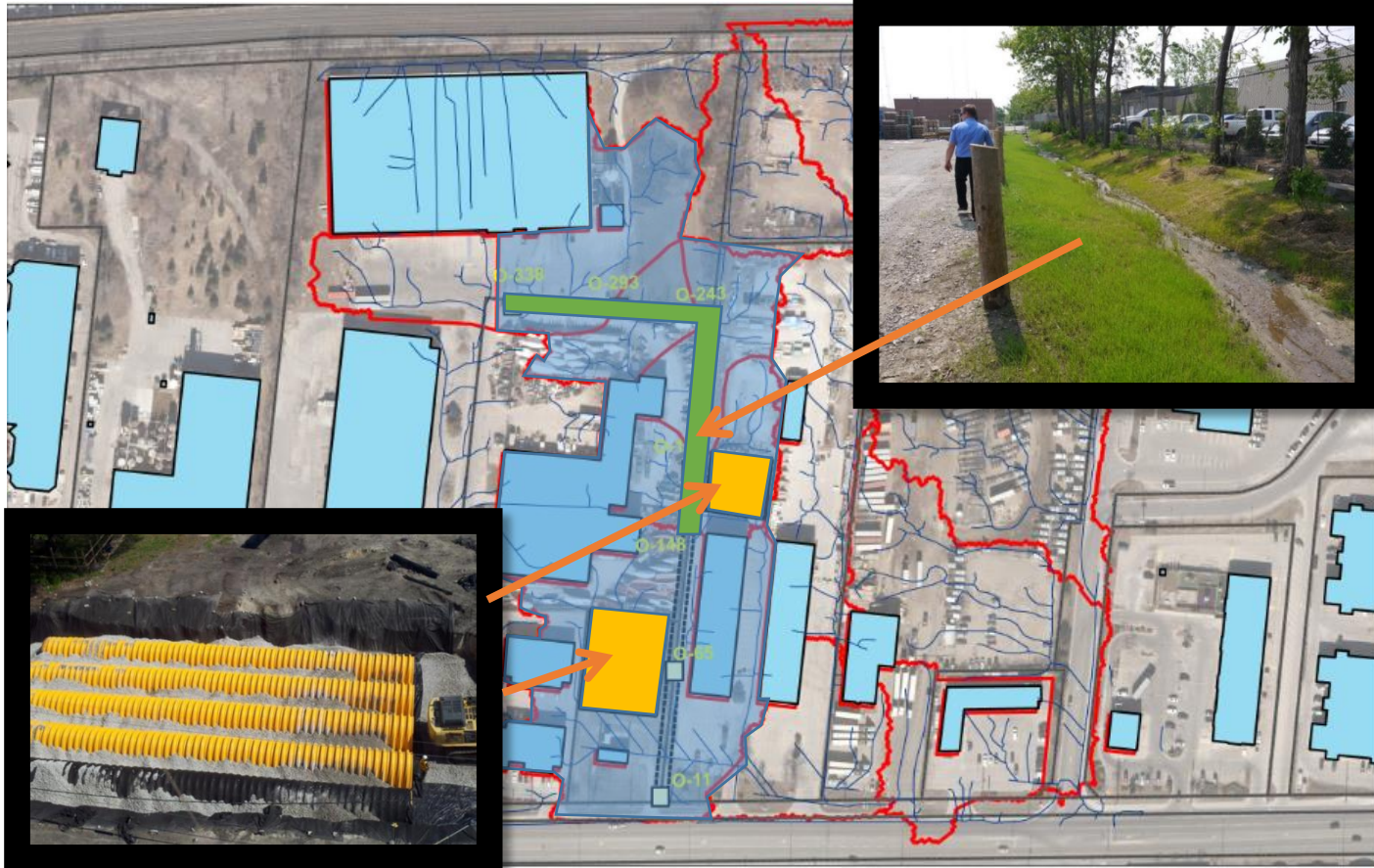


Financial barriers: payback period

Payback period: initial conceptual design

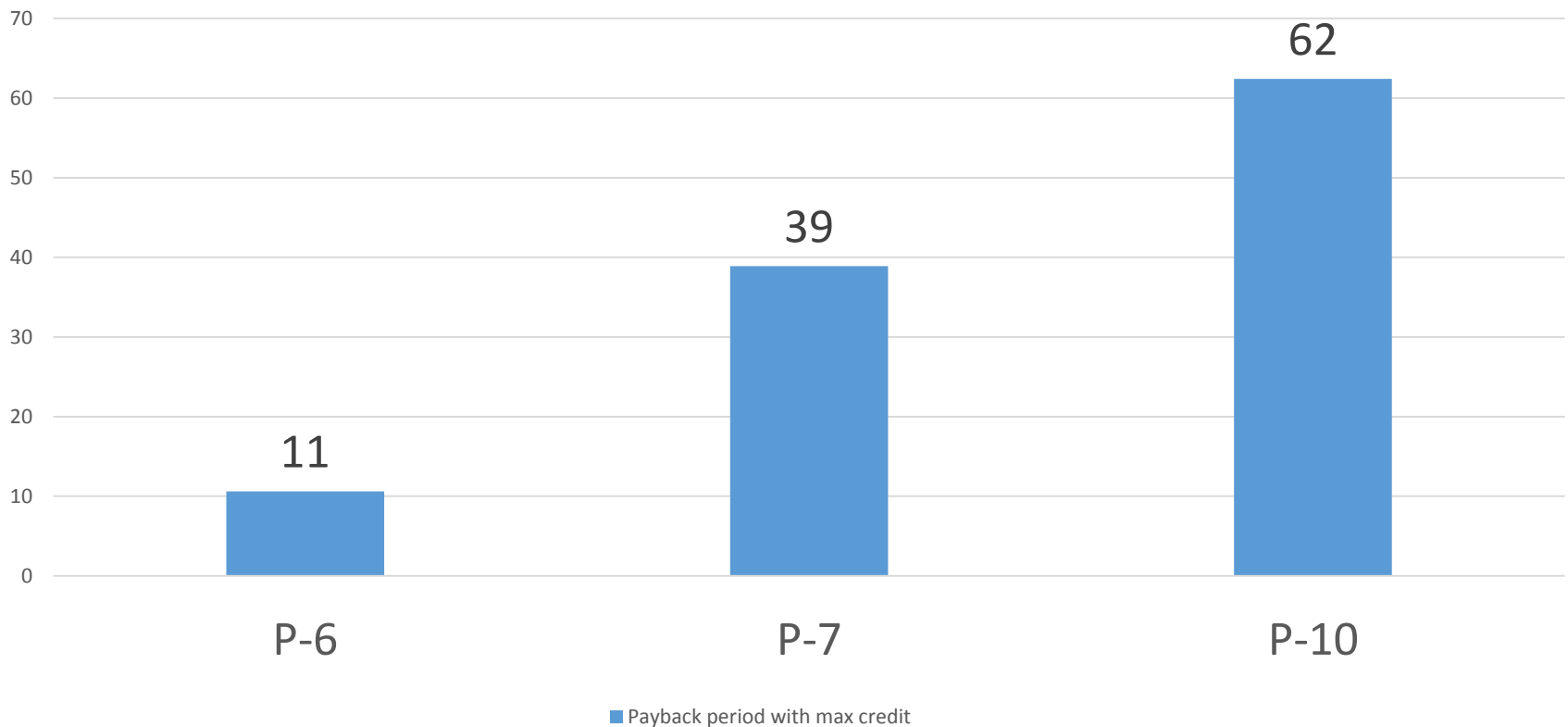


50% Credit Design

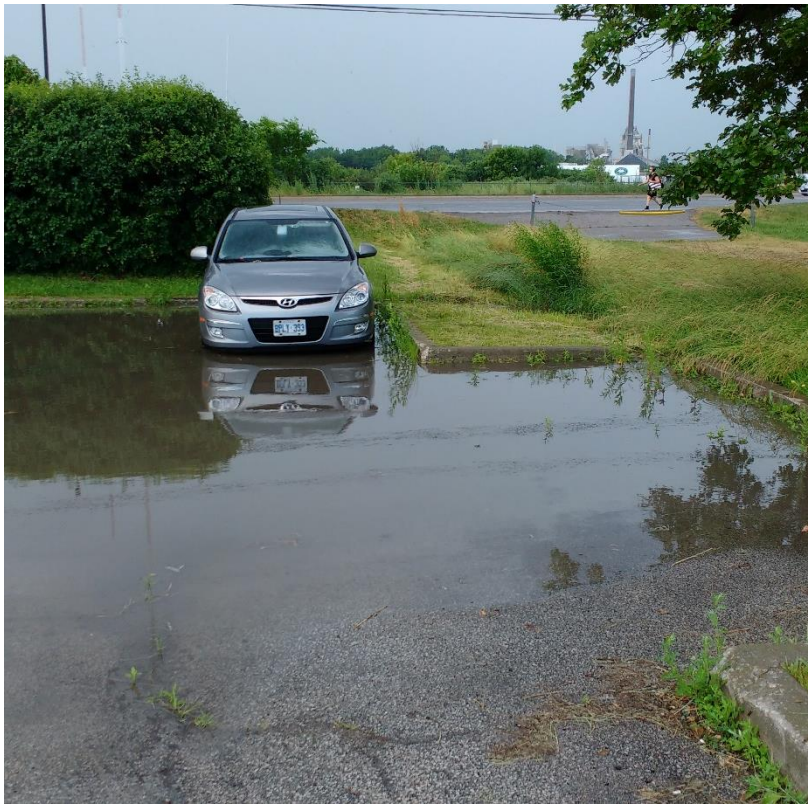


Financial barriers: payback period

Payback period: 50% credit (scenario 2)



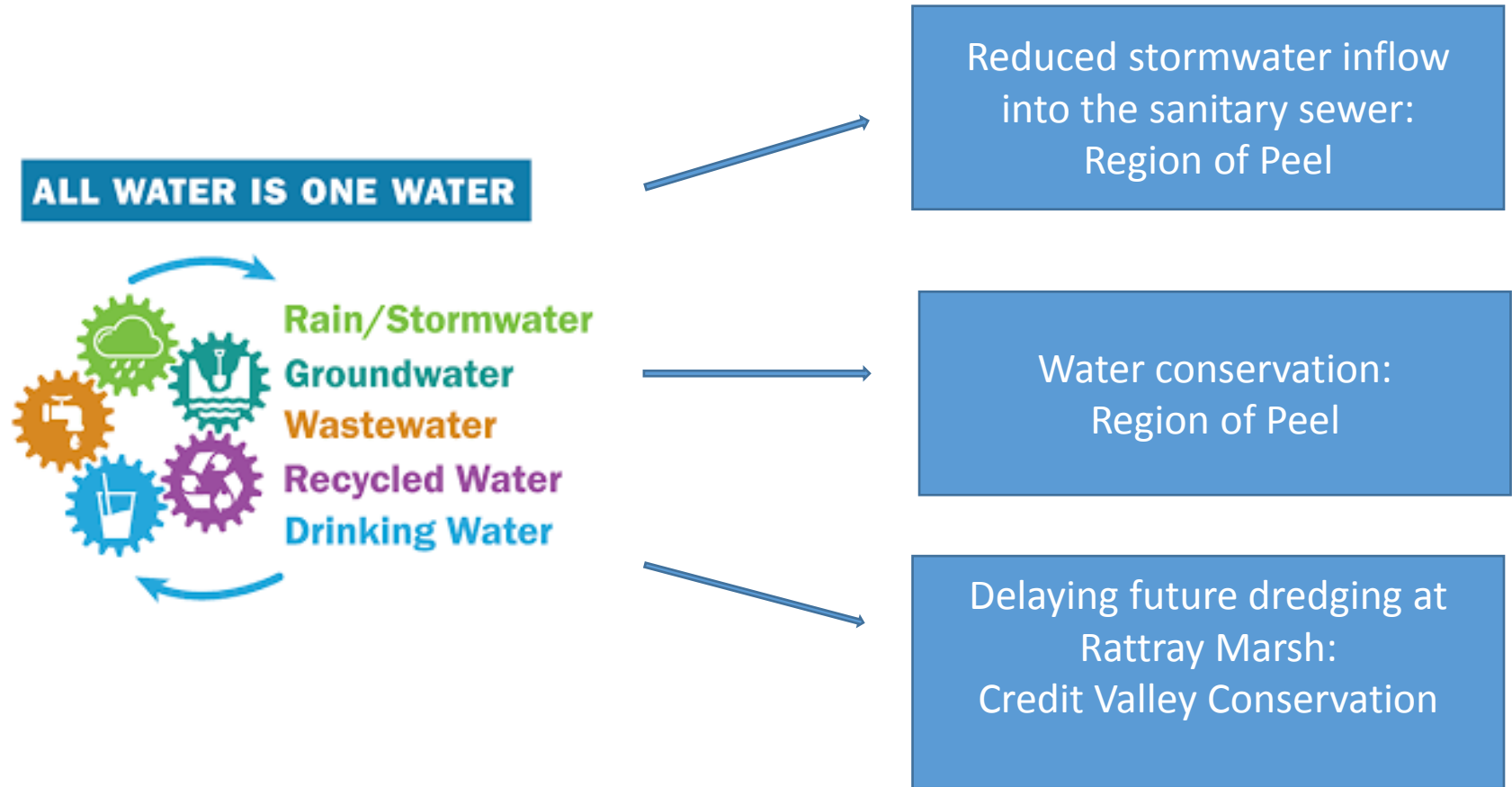
Looking beyond stormwater credits



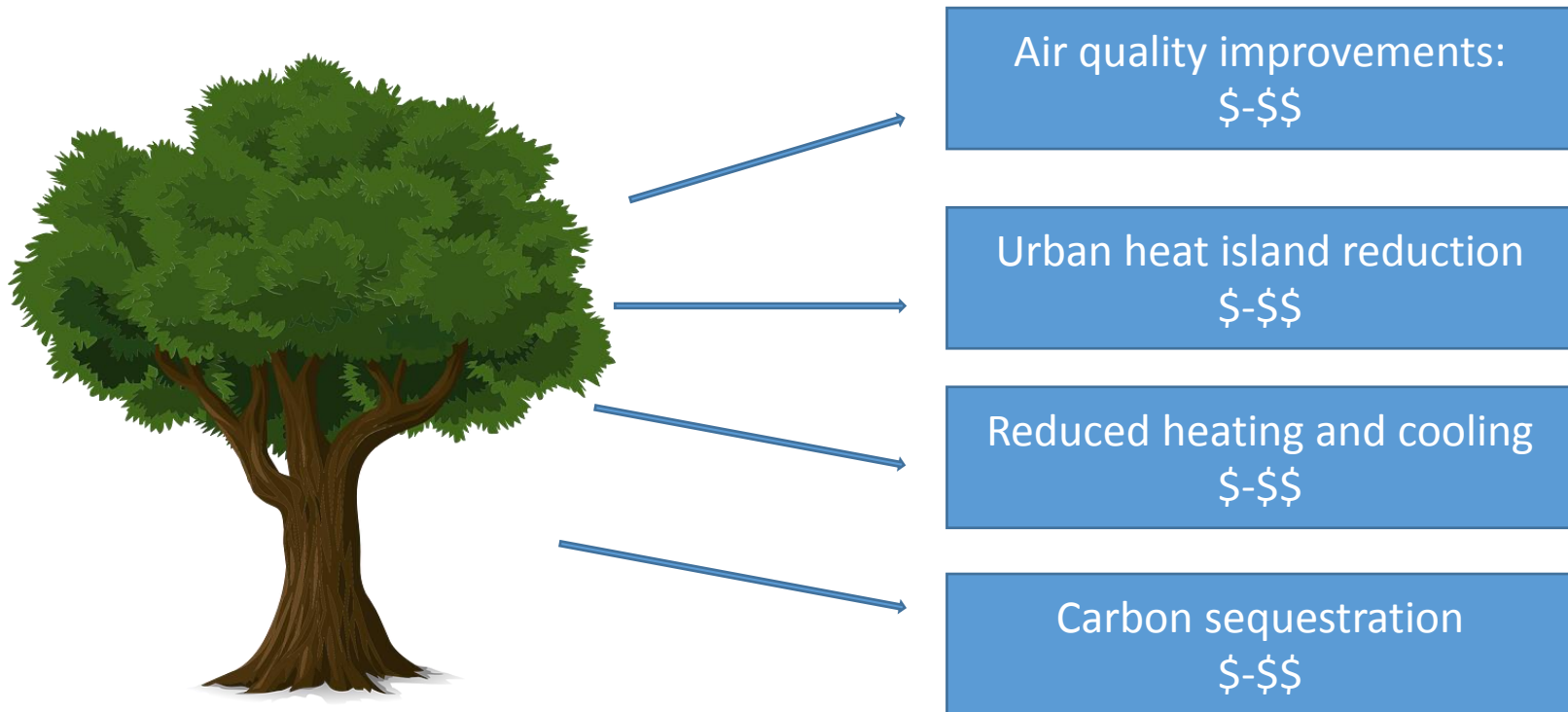
Looking beyond stormwater credits



Looking beyond stormwater – one-water and cost-sharing



Scenario three – Ecotopia



Canada's first communal,
one-water demonstration
site on private property?

Thank you

For more information:

Contact

Name: Shannon Malloy

Phone: 905-670-1615 ext. 563

Email: Shannon.Malloy@cvc.ca

Name: Kyle Menken

Phone: 905 670 1615 ext. 389

Email: Kyle.Menken@cvc.ca



ecosource
Growing a Green Community

Community Gardens 2019

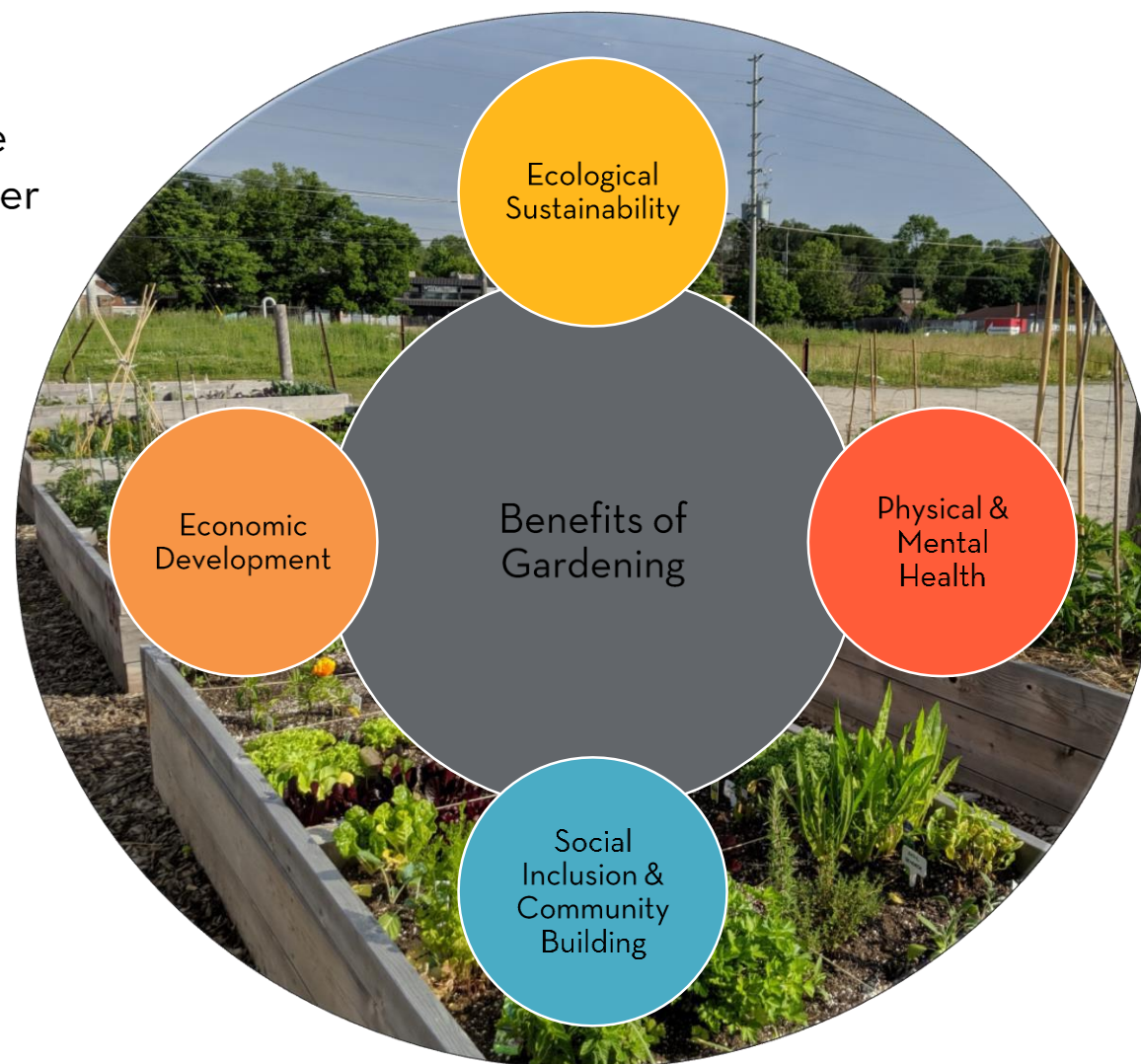




Why Gardens?

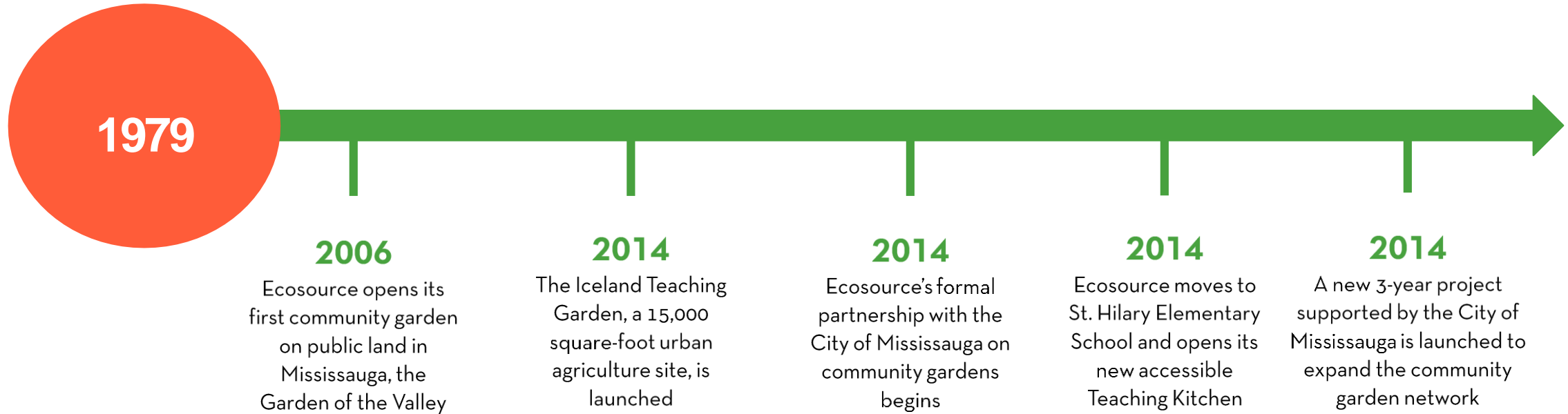
Community gardens strengthen local food systems while also achieving many co-benefits. By growing food together in communities, we improve:

- Local ecology and sustainability
- Access to healthy, culturally appropriate foods
- Physical activity and exercise
- Mental health and stress relief
- Neighbourhood security
- Community belonging
- Academic performance for students
- Skills training and employment opportunities





Our Story



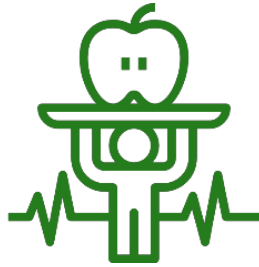
Ecosource has been leading the development of community gardens in partnership with the City of Mississauga since 2006.



Our Services



New community
gardens & complete
member services



Skills development &
employment for youth



Farmers' market activities
to increase local food
literacy



Capacity-building services
for schools & organizations



Volunteer engagement & garden
stewardship



Food donations to
increase food security



Education along the
food-value chain



Leadership on local food
policy

2019 IMPACTS

2

new community gardens
installed

6,912

residents engaged in urban
agriculture and food growing
activities across Mississauga

9,500+

volunteer hours contributed to

252

education sessions promoting awareness of
local food systems

7,600+ lbs

food grown on City land for donation to local food
banks and to feed families

Ecosource Community Gardens in Mississauga



Ecosource is an innovative environmental organization that inspires the community to become more environmentally responsible through creative public education. Learn more at www.ecosource.ca.

The Ecosource Community Gardens Program connects residents in Mississauga neighbourhoods with gardening spaces that encourage active, healthy living and help green the city. This program is generously supported by the City of Mississauga.



Registered
Community Group

Our Growing Network

Ecosource manages 8 community gardens and 1 large-scale 15,000 square-foot urban agriculture site in partnership with the City of Mississauga. In 2020, we'll be opening 2 new community gardens in public parks, one in Ward 8 with the Erin Mills Farmers Market and another in a priority neighbourhood (TBD).



Program Highlights

In 2019, we offered new programs to increase engagement in local food systems.

Accessible Garden Programs



New accessible beds across our garden network and paid internships for youth with exceptionalities

Field-to-Table Programs



Our new facility in downtown Mississauga is fully accessible and offers field-to-table programs for all ages

Young Urban Growers Podcast



A youth-led podcast series that features interviews with champions of sustainable food systems across Peel

www.ecosource.ca



2 new
publications
added to our
free online
resources

Building Capacity

Our work has a strong focus on working collaboratively to strengthen the local food system. We achieve this through:

- Providing training and resources to other organizations;
- Supporting collaborative projects that engage multiple stakeholders; and
- Convening the Mississauga Urban Agriculture Network to promote collaboration in the sector.



Grown in Mississauga Training Manual

Learn how to grow fresh vegetables at home with this interactive step-by-step guide inspired by the experiences of our Local Food Ambassadors



Get Growing: A Guide to Gardening with Older Adults

Stay active outdoors with 10 interactive guides that make garden-based recreation fun and accessible.



WOODLANDS LIBRARY



LEVI CREEK PS



Collaboration in Action

In 2019, Ecosource partnered with the Woodlands Library & Levi Creek Public School to transform underutilized public space into vibrant gardens.

252

education
sessions



5.3 - 10

Fostering Community Belonging

Events throughout the growing season at each community garden, from garden socials to stewardship events to training sessions, provide residents with an opportunity to work together, build relationships, and share knowledge.



I was out of a job for the first time and this program not only made me feel engaged with something to contribute towards the community but I also made good friends.

- Garden Volunteer



The key thing for our family's involvement in the community garden is the community coming together to grow food. The community spirit and the joy of watching things grow with our neighbours is very satisfying. It gives us immense joy and happiness. It helps us de-stress and helps us contribute positively to our neighbourhood. The garden is a way for us to help spread peace and happiness.

- Community Gardener



Learning to Grow

Ecosource is committed to continually improving its programs to maximize our impact. The preliminary results of our 2019 community garden survey show our program is working to increase food security, but more gardens are needed to increase access.

65%

report "growing food to eat" as a top benefit of their participation

72%

of gardeners make 3 or more meals/week with their harvest





Looking Ahead

In 2020, Ecosource will be expanding its efforts to strengthen local food security through a United Way Community Food Systems Grant supported by General Mills.



Photo of grantees at launch event. Courtesy of United Way Greater Toronto.

Ecosource's Deep Roots project is a two-year initiative that will offer:

- 10 community-driven food projects in each of our garden communities;
- Customized programs to address food security issues that impact the residents we serve; and
- 10 case studies reflecting key learnings to build capacity for more food projects in Mississauga and beyond.

View the press release from United Way [here](#).

Stay Connected!

✉ getgrowing@ecosource.ca

f / EcosourceGreen

t @EcosourceGreen

5.3 - 14



Thank You!

Our 2019 local food programs would not have been possible without the support of our funders.

Leading

City of Mississauga
Ontario Trillium Foundation

Supporting

Canada Summer Jobs
Employment and Social Development Canada
Greater Toronto Airport Authority
Loyalty One
Ontario Sport and Recreation
Communities Fund
Telus Friendly Future Foundation



Waste Diversion Priorities for 2020

December 10, 2019

Environmental Action Committee
Committee of Council



Waste Management/Diversion - Priorities

Five-Year Corporate Waste
Diversion Plan (Draft)



Managing Regional Waste
Services Contract



Dog Waste Capture
Demonstration



Virtuous Circular
Economy Program



Corporate Events Waste
Diversion Strategy (including
Water Bottle Filling Strategy)



BIA Container Replacement
Program



Waste Management/Diversion - Priorities

Development of Single
Corporate Litter Program



Waste Diversion Report Card –
In Progress



Formalized SHARPS disposal
Program



Litter-less lunch and
Waste-less Wednesday
demonstration for camps



Single-use Plastics
Reduction Program



Organic Waste Capture Initiative
Expansion



Environment Outreach

2019 Overview



Overview

1. Community Outreach Program
 - Community events – climate change booth and time capsule
 - Climate Change Plan Engagement – open houses, community workshops, VHO (Van Horne Outdoor) signs
 - Recreation partnership
2. Internal Outreach Program – Green Leaders
 - People Power Challenge
 - Monthly Challenges
3. 2020 program
 - Climate Change Engagement Program

2019 Events

57 events across the city of Mississauga



Bread and Honey Festival



Timbersports

2019 Events



Ward 2 Fun Swim



Time capsule at Earth Day event in Ward 7

2019 Events

2 summer students



Cristina da Silva

@CristinaGardens

Geena & Sam from the Environment section of the [@mississaugacity](#) [@MiLivingGreen](#) chatting about climate change project. Enthusiastic and knowledgeable. What a joy!



2019 Volunteer Program



Volunteer orientation and training session



2019 Earth Days



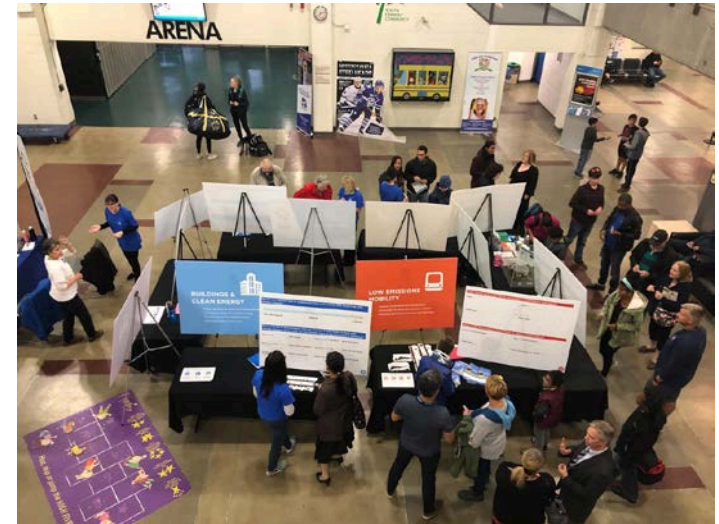
- April 15-27
- 32 events across the city
- Media launch at St. Hilary Elementary School
- 4 tree planting events
- Library Earth Day family activities
- 20 Minute Makeover
- E-waste and clothing drive
- Earth Day social media videos



Community Engagement



Mississauga Climate Action group



CCAP open house sessions



VHO (Van Horne Outdoor) Signage

Youth Engagement - MiWay



Environment team leads climate innovation prototyping workshop at MiWay Ambassadors learning session



Recreation Partnership



Environment Team (Waste and Outreach) and Ecosource lead Recreation Supervisors training on outdoor environmental education

Recreation Partnership – Litterless lunches

- 13 Litter-less lunch presentations (13 rec centre locations)
- 1093 campers



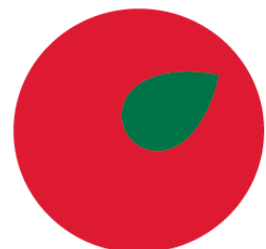
Recreation Partnership

Waste-Free Wednesdays

Participate in the Litterless Lunch Program this summer by packing lunches with little or no waste.

Help reduce waste in Mississauga!

#WastelessWednesdays



 MISSISSAUGA

Waste-Free Wednesdays

The City of Mississauga is committed to reducing waste and single-use plastics and we need your help! We are asking summer camp participants to help reduce lunch waste – **pack a litterless lunch!**

Participate in Waste-Free Wednesdays all summer long. For an extra challenge, we encourage a litterless lunch every day!

What is a litterless lunch?

Fruit with a natural wrapper



Reusable containers



Refillable water bottles



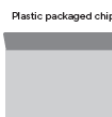
Reusable cutlery



Single-use water bottles



Yogurt cups



Plastic packaged chips



Our mascot friend, Litterbug, will be visiting various summer camp locations educating and encouraging campers about litterless lunches. Litterbug will also talk about reducing waste and the impact litter has on the environment. Save our tip sheet for quick reference!

For more information on the City's waste initiatives, contact living.green@mississauga.ca

 MISSISSAUGA

Litterless Lunch

A litterless lunch is a lunch that creates little or no waste! Packing a litterless lunch is easy, good for the environment, and better for your wallet.

Litterless Lunch

- Reusable sandwich bag or a reusable container
- Reusable water bottle or cup
- Buy a large tub of yogurt or fruit and pack a serving in a reusable container
- Buy (nut free) snacks in bulk and pack a serving in a reusable container
- Reusable cutlery
- Reusable lunch bag



Typical Lunch

- Food wrapped in plastic wrap, foil or in a Ziploc bag
- Single-use plastic water bottles, juice boxes, plastic straws
- Single use beverage cups/containers (i.e. coffee cups, plastic cups)
- Yogurt cups, apple sauce cups, fruit cups
- Sealed plastic packaged (nut free) granola bars, cookies, chips, pretzels, crackers, cheese or any other individually packaged snack
- Plastic utensils
- Disposable plastic bags, paper bags

Tips

- Purchase an affordable set of reusable containers and cutlery
- Pack fruits that have a natural wrapper (i.e. banana, orange, apple)
- Plan ahead, pack lunches the night before

For more information on the City's waste initiatives, contact living.green@mississauga.ca

 MISSISSAUGA

Waste-less Wednesdays at CCafé



Waste and Outreach students Geena and Neal engage with City staff and the public on Waste-less Wednesdays at Civic Centre CCafé



Green Leaders Program

Employee Engagement in Sustainability and Environmental Action

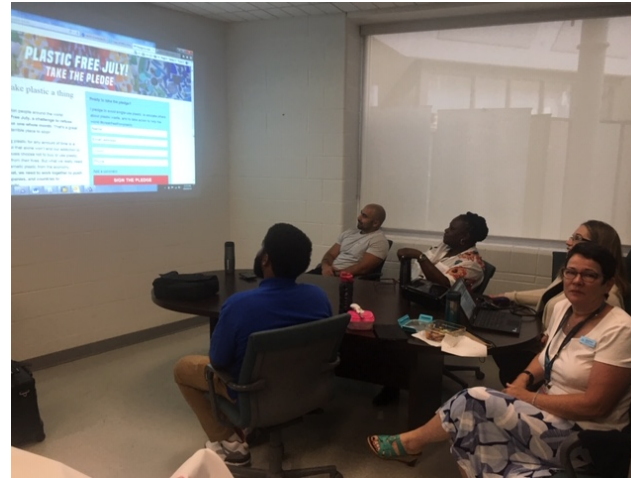
160 Green Leaders

- Monthly themes
- People Power Challenge



Green Leaders Program

Employee Engagement in Sustainability and Environmental Action



MiWay Litterless Lunch Winners

Winner: Most Creative
Jesse Pearson



Winner: Most Yummy
Ariana Pizzoc



Grand Prize Winner: Most Litterless Elements
Guillermo Velasco

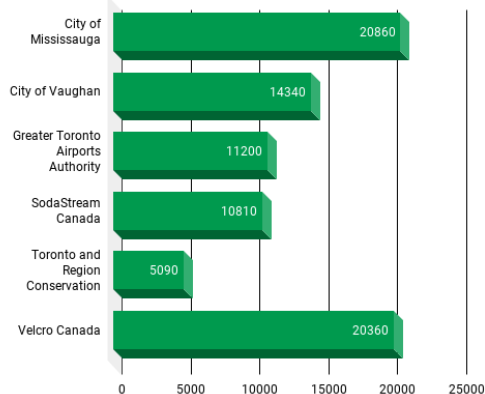


Green Leaders



2019 LEADERBOARD

This is where we track the points totals for all of our People Power Challenge competitors.
Check back regularly to see who's on top!



2019 WINNERS

- 104 green actions completed
- Innovation challenge winner

Outreach 2020



Thank you!

Environment Section Outreach team

Heliya Babazadeh

Diana Suzuki Bracewell

2019-2022 Environmental Action Committee Work Plan

WORK PLAN ITEM	ACTION FOR EAC MEMBERS	TIMING	PROGRESS <i>Action Taken or Date Completed</i>
Climate Change	Support approval and implementation of the Climate Change Action Plan.	Ongoing	<p>May 29, 2019</p> <p>At the May 29, 2019, General Committee meeting, students from Camilla Road Senior Public School requested the City of Mississauga declare climate change an emergency. The following recommendation was issued;</p> <p><i>That a motion provided by the students of Camilla Road Senior Public School regarding the City of Mississauga declaring climate change an emergency be referred to the Environmental Action Committee for further consideration. GC-0306-2019</i></p>
			<p>June 11, 2019</p> <p>Referred from the May 29, 2019 GC meeting, the Eco Team Students from Camilla Road Senior Public School provided an overview on the crisis surrounding climate change and requested that the City of Mississauga declare a Climate Emergency at the June 11, 2019 EAC meeting. The following recommendation was issued;</p> <p><i>That the Environmental Action Committee supports Camilla Road Sr. Public School Eco Team's position that the City of Mississauga will declare a Climate Emergency and create an action plan to help achieve net zero emissions and increased renewable energy by 2050. EAC-0016-2019</i></p>
			<p>June 16, 2019</p> <p>At the June 16, 2019 Council, the following EAC-0016-2019 recommendation was amended and approved as;</p> <p><i>Climate change is a real and urgent crisis, driven by human activity, that impacts the environment, biodiversity, human health and the economy.</i></p> <p><i>The City of Mississauga is committed to taking action on climate change, therefore the City if Mississauga declares a climate emergency and direct staff to develop and bring forward a climate change action plan to Council for approval by the end of 2019.</i></p> <p><i>That the students of Camilla Road Senior P.S. be thanked for their initiative on this matter.</i></p> <p>0149-2019</p>
			<p>July 9/2019</p> <p>Deep dive discussion surrounding the Climate Change Action Plan with the EAC members gaining insightful comments and feedback for consideration during the finalization of the overall plan.</p>
			<p>July 25/2019</p> <p>The Climate Change Stakeholder Panel workshop was held, where several EAC members participated. Comments received at this workshop were incorporated in the draft Climate Change Action Plan (CCAP). The updated CCAP will go to Council at the September 18th meeting for information. If public consultation for this draft CCAP is approved by Council at this meeting, public consultations will run from Mid-September to October.</p>

2019-2022 Environmental Action Committee Work Plan

Climate Change	Support approval and implementation of the Climate Change Action Plan.	Ongoing	Sept. 9/2019	The Corporate Green Building Standard for New Construction and Major Renovations Building Projects takes into account the Climate Change Action Plan to reach 80% GHG Reduction by 2050.
			Sept. 19/2019	An email was sent to EAC members to share public consultation opportunities (e.g., open houses, survey) for the draft Climate Change Action Plan. Consultation opportunities available between September 18, 2019 and October 18, 2019.
			Nov. 12/2019	At the November 12, 2019 EAC meeting – A deputation and memo related to the final draft version of the Climate Change Action Plan were presented to the EAC members and the Committee approved the following recommendation; <i>That the Environmental Action Committee are in support of the Climate Change Action Plan and bringing it to General Committee on December 4, 2019 for endorsement. EAC-0041-2019</i>
Volunteering	Participate in volunteering opportunities as members of the Community Green Leaders volunteer program.	Spring 2020	Sept. 26/2019	Opportunities for EAC members to participate in the program will be brought to the Committee in spring 2020.
		Ongoing	Oct. 8/2019	Adopt-a-Park deputation and discussion around the members of EAC participating in a litter pick-up at a local park. Pujita Verma, EAC Citizen Member will be coordinating the details of the next volunteer event (date to be determined).
Support City Action on Environment	Be prepared to comment on City-led items brought forward to EAC meetings (E.g., strategic plans, by-laws).	At EAC meetings	Sept. 9/2019	The Corporate Green Building Standard for New Construction and Major Renovations Building Projects was presented to EAC and recommended by the members of Environmental Action Committee to General Committee for endorsement.
			Sept. 9/2019	The Downtown Strategy was presented at EAC, where the members provided comments and feedback. An email was sent post meeting asking for participation from the EAC members to fill out the survey to provide more insightful feedback.
			Nov. 12/2019	The Stormwater Master Plan was presented at EAC, where the members provided comments and feedback.
Report on Committee Progress	Report to General Committee bi-annually on the progress of the EAC's work plan and activities. (Includes the EAC Actions Summary as an appendix)	Twice per year		

2019-2022 Environmental Action Committee Work Plan

Additional/Other			
Next Steps	Upcoming suggested environmental actions and initiatives to be implemented.	Ongoing	<p>Nov. 12/2019 At the November 12, 2019 EAC meeting – the Committee supported going paperless and approved the following recommendation;</p> <p><i>That the Legislative Coordinator for the Environmental Action Committee (EAC) eliminates the distribution of paper copies of the agenda and will only provide electronic copies of the agendas for all EAC meetings starting December 10, 2019. EAC-0042-2019</i></p>