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## Environmental Action Committee

**Date:** July 6, 2021  
**Time:** 9:30 AM  
**Location:** Online Video Conference

### Members

Councillor Matt Mahoney	Ward 8 (Chair)
Councillor Stephen Dasko	Ward 1 (Vice-Chair)
Councillor George Carlson	Ward 11
Brad Bass	Citizen Member
Chelsea Dalton	Citizen Member
Lea Ann Mallett	Citizen Member
Pujita Verma	Citizen Member
Carina Suleiman	UTM (University of Toronto Mississauga) Student
Shailly Prajapati	PEYA (Peel Environmental Youth Alliance) Student
Alice Casselman	Association for Canadian Educational Resources
Britt McKee	Ecosource
Melanie Kramer	Credit Valley Conservation
Jennifer Taves	Partners in Project Green
Andrea Rowe	Greening Sacred Spaces (Non-Voting Member)
Brad Butt	Mississauga Board of Trade (Non-Voting Member)
Sid Gendron	Sawmill Sid Inc. (Non-Voting Member)

### Participate Virtually and/or via Telephone

Advance registration is required to attend, participate and/or make a comment in the virtual meeting. Questions for Public Question Period are required to be provided to Clerk's staff at least 24 hours in an advance of the meeting. Any materials you wish to show the Committee during your presentation must be provided as an attachment to the email. Links to cloud services will not be accepted. Comments submitted will be considered as public information and entered into public record. **Please note the Environmental Action Committee will not be streamed or video posted afterwards.**

To register, please email [dayna.obaseki@mississauga.ca](mailto:dayna.obaseki@mississauga.ca) and for Residents without access to the internet via computer, smartphone or tablet, can register by calling Dayna Obaseki at 905-615-3200 ext. 5425 **no later than Friday, July 2, 2021 before 4:00PM**. You will be provided with directions on how to participate from Clerks' staff.

### Contact

Dayna Obaseki, Legislative Coordinator, Legislative Services  
905-615-3200 ext. 5425  
Email [dayna.obaseki@mississauga.ca](mailto:dayna.obaseki@mississauga.ca)

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 – June 1, 2021

5. DEPUTATIONS

5.1. Mississauga Official Plan Review

- *Sharleen Bayovo, Planner, Official Plan Review*
- *Amina Menkad, Planner, Official Plan Review*

5.2. Lead and Litter Impacting Waterfowl

- *Paris Liu, Summer Student, Waste Management*
- *Diane Gibson, Supervisor, Environmental Sustainability*

5.3. Climate Change Youth Challenge: Mission to Earth

- *Diana Suzuki-Bracewell, Supervisor, Environmental Outreach*
- *Samantha Dilorio, Environmental Outreach Assistant*

5.4. Project Crossroads - Canadian Healthy Communities Initiative

- *Alice Casselman, Community Group Representative Environmental Action Committee Member*

6. PUBLIC QUESTION PERIOD - 15 Minute Limit

**Public Comments:** Advance registration is required to participate and/or to make comments in the virtual public meeting. Any member of the public interested in speaking to an item listed on the agenda must register by calling 905-615-3200 ext. 5425 or by emailing [dayna.obaseki@mississauga.ca](mailto:dayna.obaseki@mississauga.ca) **by Friday, July 2, 2021 before 4:00PM.**

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. Questions shall be submitted to the Clerk at least 24 hours prior to the meeting;
2. A person is limited to two (2) questions and must pertain specific item on the current agenda and the speaker will state which item the question is related to;

3. The total public question period time is 15 minutes maximum and shall not be extended by the Chair; and
4. Any response not provided at the meeting will be provided in the format of written response.

7. **CONSENT AGENDA**

8. **MATTERS TO BE CONSIDERED**

- 8.1. Environmental Action Committee (EAC) Work Plan

9. **INFORMATION ITEMS - Nil.**

10. **OTHER BUSINESS/ENQUIRIES**

11. **DATE OF NEXT MEETING**

Tuesday, September 14, 2021 at 1:30pm

Location: To Be Determined

12. **ADJOURNMENT**

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## **Environmental Action Committee**

**Date:** June 1, 2021  
**Time:** 9:30 AM  
**Location:** Online Video Conference

<b>Members Present</b>	Councillor Matt Mahoney	Ward 8 (Chair)
	Councillor Stephen Dasko	Ward 1 (Vice-Chair)
	Councillor George Carlson	Ward 11
	Chelsea Dalton	Citizen Member
	Lea Ann Mallett	Citizen Member
	Pujita Verma	Citizen Member
	Shailly Prajapati	PEYA (Peel Environmental Youth Alliance) Student
	Alice Casselman	Association for Canadian Educational Resources
	Melanie Kramer	Credit Valley Conservation
	Britt McKee	Ecosource
	Andrea Rowe	Greening Sacred Spaces (Non-Voting Member)
<b>Members Absent</b>	Brad Bass	Citizen Member
	Carina Suleiman	UTM (University of Toronto Mississauga) Student
	Vacant	Partners in Project Green
	Brad Butt	Mississauga Board of Trade (Non-Voting Member)
	Sid Gendron	Sawmill Sid Inc. (Non-Voting Member)

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### **Staff Present**

Dianne Zimmerman, Manager, Environment  
Lisa Urbani, Supervisor, Environment Initiatives  
Catherine Nguyen-Pham, Communications Coordinator  
Diana Suzuki-Bracewell, Supervisor, Environmental Outreach  
Heliya Babazadeh-Olegi, Environmental Outreach Coordinator  
Megan Wiles, Coordinator, Exhibitions and Outreach  
Samantha Dilorio, Environmental Outreach Assistant  
Muneef Ahmad, Manager, Stormwater Projects and Approvals, City of Mississauga  
Kristina Ramjattan, Energy Management Specialist  
Khaled Abu-Eseifan, Supervisor, Utilities Management  
Daniela Paraschiv, Manager, Asset Management, Accessibility and Energy Management  
Dayna Obaseki, Legislative Coordinator  
Michelle Sanstra, Legislative Coordinator

**1. CALL TO ORDER**

Councillor Mahoney, Chair called the meeting to order at 9:37AM.

**2. APPROVAL OF AGENDA**

Approved (M. Kramer)

**3. DECLARATION OF CONFLICT OF INTEREST - Nil.****4. MINUTES OF PREVIOUS MEETING****4.1 Environmental Action Committee DRAFT Minutes – April 6, 2021**

Approved (C. Dalton)

**5. DEPUTATIONS****5.1 Build Beautiful Stormwater Master Plan (Related to Item 8.1)**

- *Muneef Ahmad, Manager, Stormwater Projects and Approvals, City of Mississauga*
- *Ron Scheckenberger, Project Manager, Wood*
- *Samantha Stokke, Environmental Planner, Wood*

Mr. Ahmad, Mr. Scheckenberger and Ms. Stokke presented and provided an overview with Build Beautiful Stormwater Master Plan. They noted the consultation, feedback, the framework, actions and next steps.

Councillor Dasko inquired and expressed concerned about the number of people that participated in the survey. Ms. Stoke and Mr. Ahmad responded noting that they were pleased with the number of people that participated in the survey due to its length and extensive detail.

**RECOMMENDATION EAC-0014-2021**

Moved By Councillor Dasko

That the deputation and associated presentation by Muneef Ahmad, Manager, Stormwater Projects and Approvals, City of Mississauga, Ron Scheckenberger, Project Manager, Wood, and Samantha Stokke, Environmental Planner, Wood regarding the corporate memo entitled "Build Beautiful Stormwater Master Plan" be received.

Received

## 5.2 5-Year Energy Conservation Plan – 2020 Annual Report

- *Kristina Ramjattan, Energy Management Specialist*
- *Khaled Abu-Eseifan, Supervisor, Utilities Management*
- *Daniela Paraschiv, Manager, Asset Management, Accessibility and Energy Management*

Ms. Ramjattan, Mr. Abu-Eseifan and Ms. Paraschiv presented and provided an overview on the Five (5) Year Energy Conservation Plan Annual Report. They noted the Energy Management Team, the Current Energy Conservation Plan, the 2020 Second Year Results, Energy Management Tools, Completed Initiatives in 2020 and Partnering for Success.

Councillor Mahoney thanked staff for a very informative presentation and applauded the initiative.

### RECOMMENDATION EAC-0015-2021

Moved By Councillor Carlson

That the deputation and associated presentation by Kristina Ramjattan, Energy Management Specialist, Khaled Abu-Eseifan, Supervisor, Utilities Management and Daniela Paraschiv, Manager, Asset Management, Accessibility and Energy Management regarding the 5-Year Energy Conservation Plan - 2020 Annual Report be received.

Received

## 5.3 We Are Resilient

- *Heliya Babazadeh-Olegi, Coordinator, Environmental Outreach*
- *Megan Wiles, Coordinator, Exhibitions and Outreach*

Ms. Babazadeh-Olegi and Ms. Wiles presented and provided an overview on We Are Resilient. They spoke to the Objectives and Outcomes, the Imagine 2050 Photo Contest, 2021 Outreach Campaign and Community Contest, the 2022 Outdoor Exhibition, the 2023 Travelling Exhibition and the Next Steps.

Members of the Committee expressed support and applauded the project initiative.

### RECOMMENDATION EAC-0016-2021

Moved By A. Casselman

That the deputation and associated presentation by Heliya Babazadeh-Olegi, Coordinator, Environmental Outreach and Megan Wiles, Coordinator, Exhibitions and Outreach regarding We Are Resilient be received.

Received

**6. PUBLIC QUESTION PERIOD - 15 Minute Limit**

No members of the public registered to speak.

**7. CONSENT AGENDA**

No items were approved under the Consent Agenda.

**8. MATTERS TO BE CONSIDERED****8.1 Build Beautiful Stormwater Master Plan Draft Actions (Related to Item 5.1)**

No discussion took place.

RECOMMENDATION EAC-0017-2021

Moved By M. Kramer

That the corporate memo from Muneef Ahmad, Manager, Stormwater Projects and Approvals dated May 17, 2021 entitled "Build Beautiful Stormwater Master Plan" be received for information.

Received

**8.2 EAC Progress Reporting – Written Submission to Mayor and Members of Council**

Lisa Urbani, Environmental Initiatives Coordinator spoke briefly to the item and requested any feedback from the Members of the Committee.

Alice Casselman, Community Group Representative thanked staff and expressed appreciation regarding the progress report.

RECOMMENDATION EAC-0018-2021

Moved By A. Casselman

1. That the Memorandum dated April 12, 2021, entitled "Environmental Action Committee Progress Reporting – Written Submission to Mayor and Members of Council", be received;
2. That the draft Memorandum entitled "Environmental Action Committee Progress Reporting – June 2021" and the Environmental Action Committee Work Plan attached as Appendix 1 be approved;
3. That the draft Memorandum entitled "Environmental Action Committee Progress Reporting – June 2021" and the Environmental Action Committee Work Plan attached as Appendix 1 be provided to the Mayor and Members of Council via email.

Approved

### 8.3 Environmental Action Committee (EAC) Work Plan

Dayna Obaseki, Legislative Coordinator briefly spoke to EAC Work Plan and advised the Members of the Committee to contact her if they have any questions, concerns, or updates.

#### RECOMMENDATION EAC-0019-2021

Moved By P. Verma

That the Environmental Action Committee Work Plan be approved as discussed at the June 1, 2021 EAC meeting.

Approved

## 9. INFORMATION ITEMS

Alice Casselman, Community Group Representative spoke to the CHF (Co-Operative Housing Federation) Canada AGM (Annual General Meeting) on June 13 and noted a waterfront initiative she would like to discuss at an upcoming EAC meeting.

## 10. OTHER BUSINESS/ENQUIRIES – Nil

## 11. DATE OF NEXT MEETING

Tuesday, July 6, 2021 - 9:30am, Online Video Conference

## 12. ADJOURNMENT

10:34 AM (Councillor G. Carlson)



# Mississauga Official Plan Review

Protect the Natural Environment and Respond to  
Climate Change

Deputation to the Environmental Action Committee

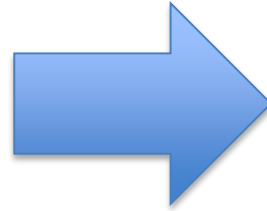
Presented by: Amina Menkad and Sharleen Bayovo  
City Planning Strategies Division, Planning & Building Department

July 6, 2021





2012



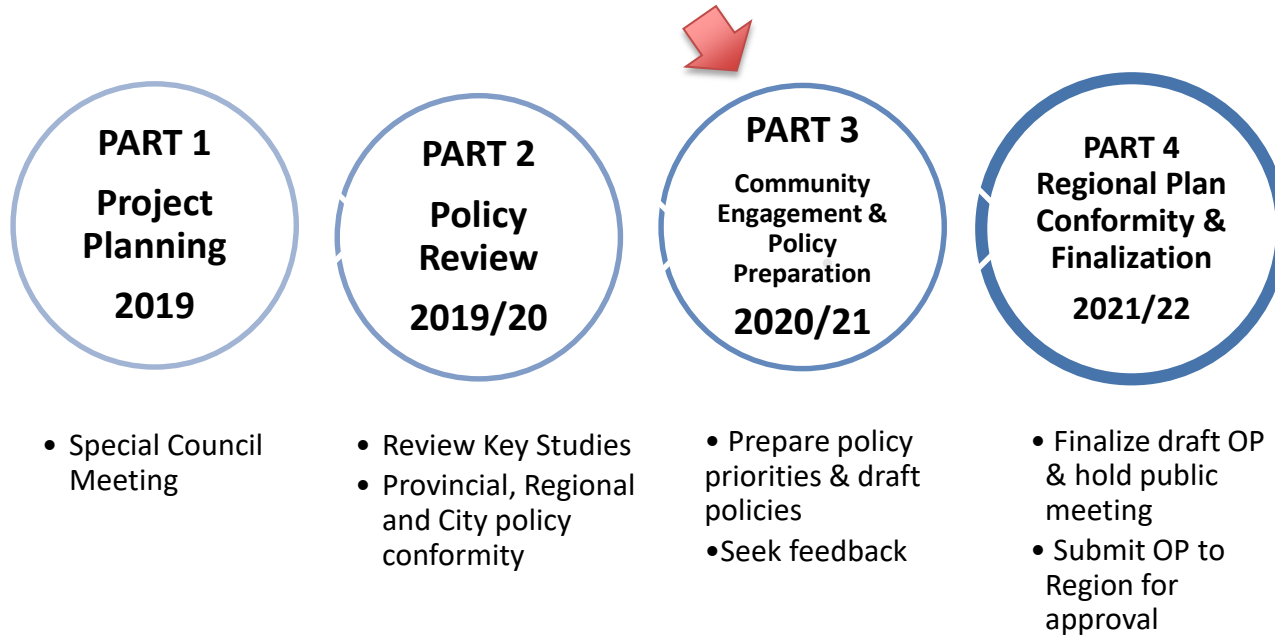
2022

## Four Pillars of the Official Plan Review:

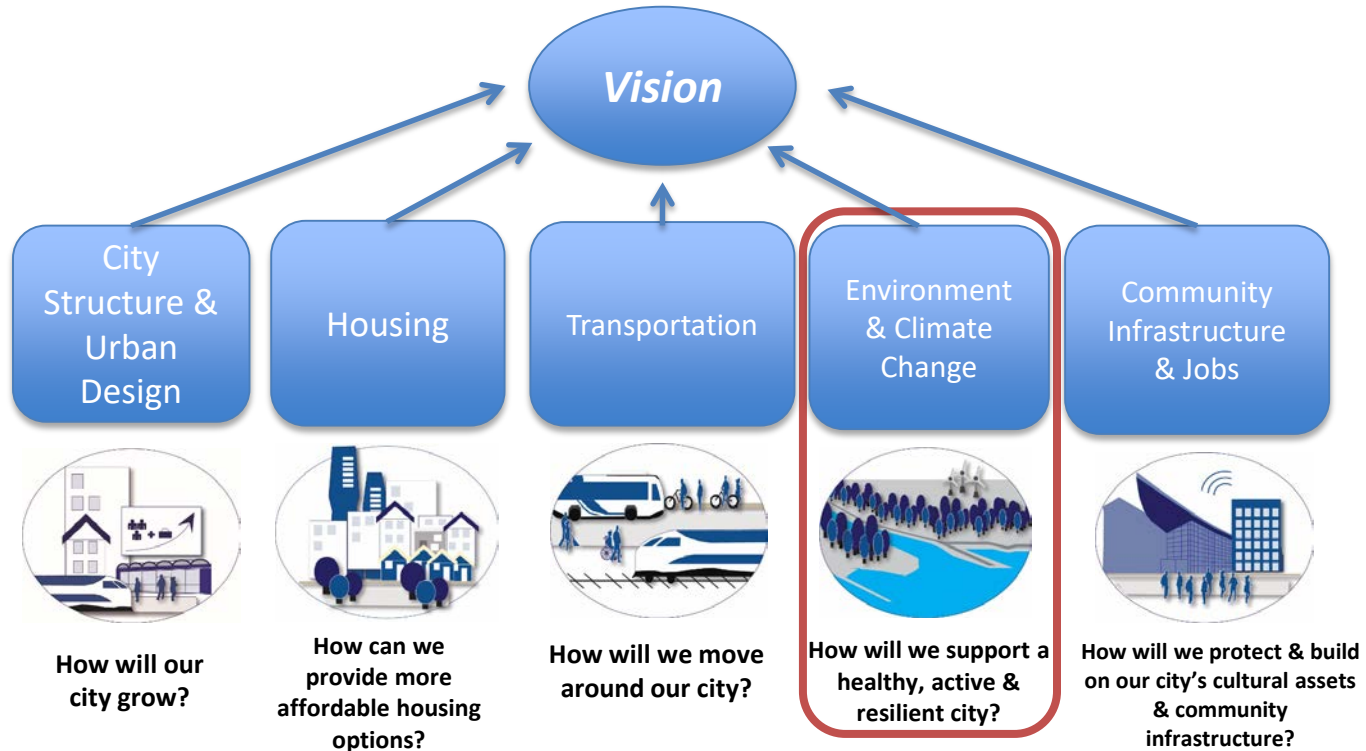
1. **Conformity**
2. **Simplify**
3. **Certainty**
4. **Innovation**



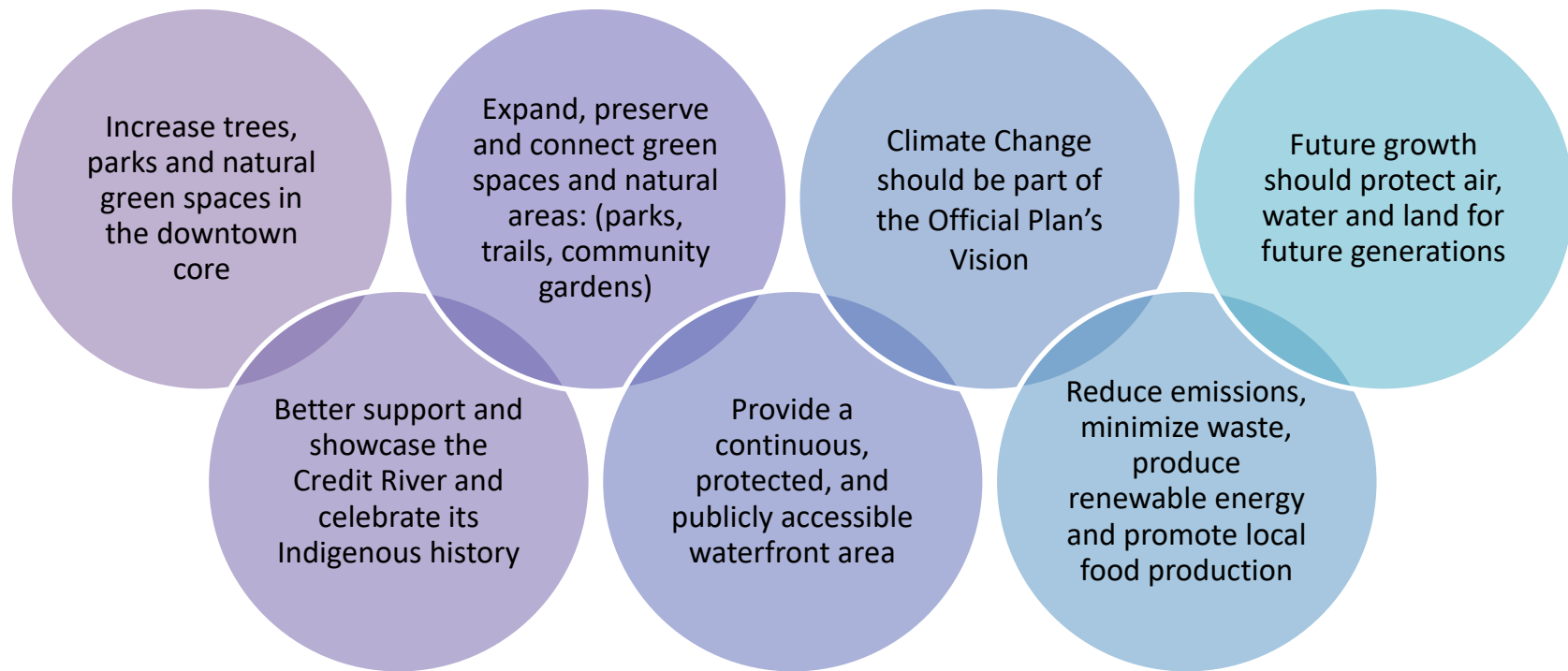
# Official Plan Review Timeline



# Fall 2020 Engagement - Confirm Priorities

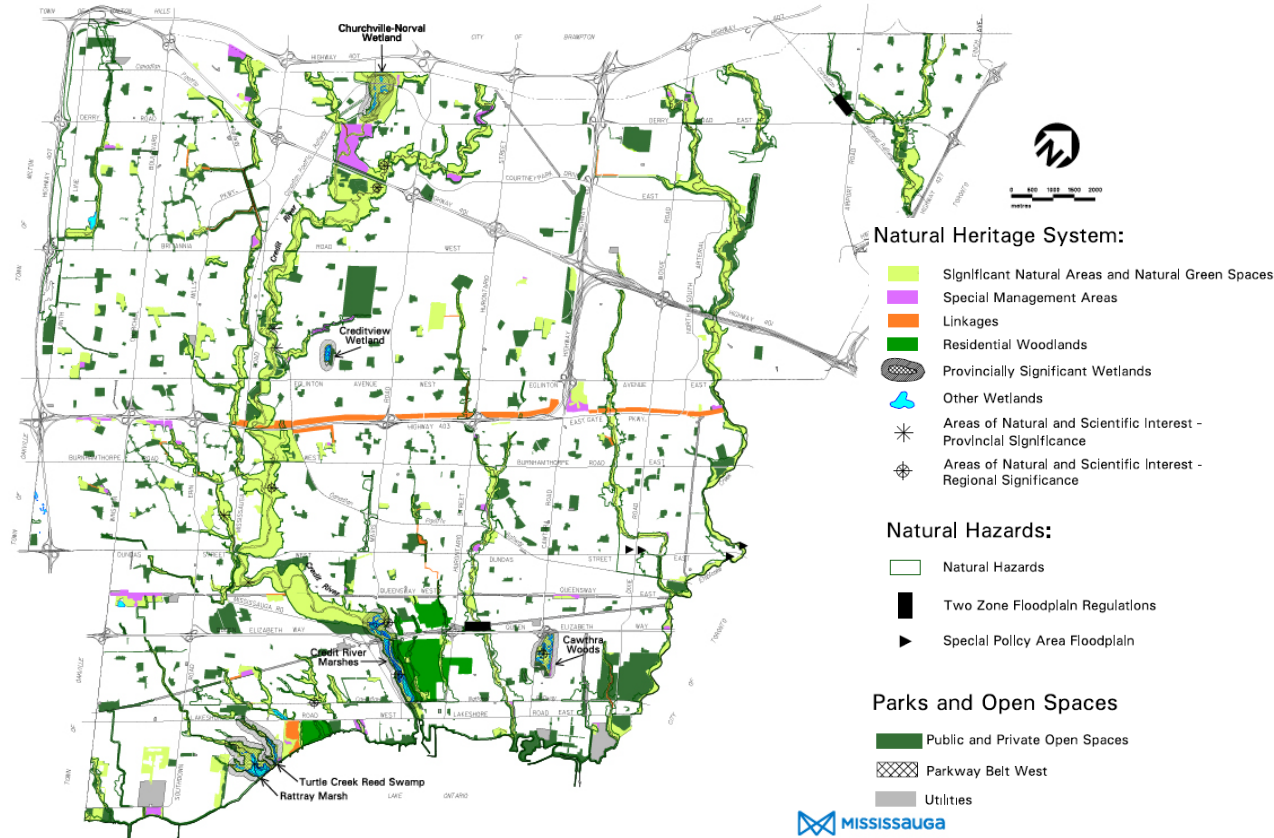


## Fall 2020 Engagement - We asked how we can continue to protect our environment and respond to climate change. Responses:



# The Green System

- The Natural heritage System
- Natural Hazard Lands
- Parks and Open spaces
- The Urban Forest (not mapped)





## Key Environment and Climate Change Policy Directions



## 1

# Continue to Value The Environment

1. **Conform to requirements to protect water sources**
2. **Adopt an integrated and coordinated approach to land use and stormwater infrastructure planning**
3. **Emphasize the importance of watershed planning in informing land use policies and decisions**
4. **Reinforce the importance of natural and hydrological features and areas as green assets in responding to climate change**

## 6 Value the Environment

### 6.1 Introduction

Mississauga is located on the shore of Lake Ontario, part of the largest system of freshwater lakes in the world. Mississauga contains watersheds of the Credit River, Etobicoke Creek and other watercourses that form part of the Great Lakes drainage basin. Mississauga is partially within the Carolinian Forest Ecoregion, Canada's most biologically diverse ecological region. This region contains Canada's most rare and endangered plants and animals, and is the most threatened ecological region in Ontario.

The City's Strategic Plan identifies "Living Green" as one of the five pillars of the strategic vision for the

city. Living Green involves implementing measures that are sensitive to, and complement, the natural environment. As the city continues to grow, it is imperative that growth does not compromise the natural environment, including the climate. The health of the natural environment is critical to human and economic vitality and the overall well-being of society. It provides the fundamental necessities of life – clean water, air and land and is an essential component of the fabric and character of communities. Further, climate change affects land use policies and transportation choices that can contribute to improving the quality of the environment and lead to developing a sustainable city. These policies are the subject of this chapter.



Figure 6-1: As an environmentally responsible community, Mississauga is committed to environmental protection, conducting its corporate operations in an environmentally responsible manner and promoting awareness of environmental policies, issues and initiatives. Residents and businesses have a large role to play to help protect and enhance the land, air, water and energy resources that are enjoyed by all in the city. (Credit: River Valley)

## 2

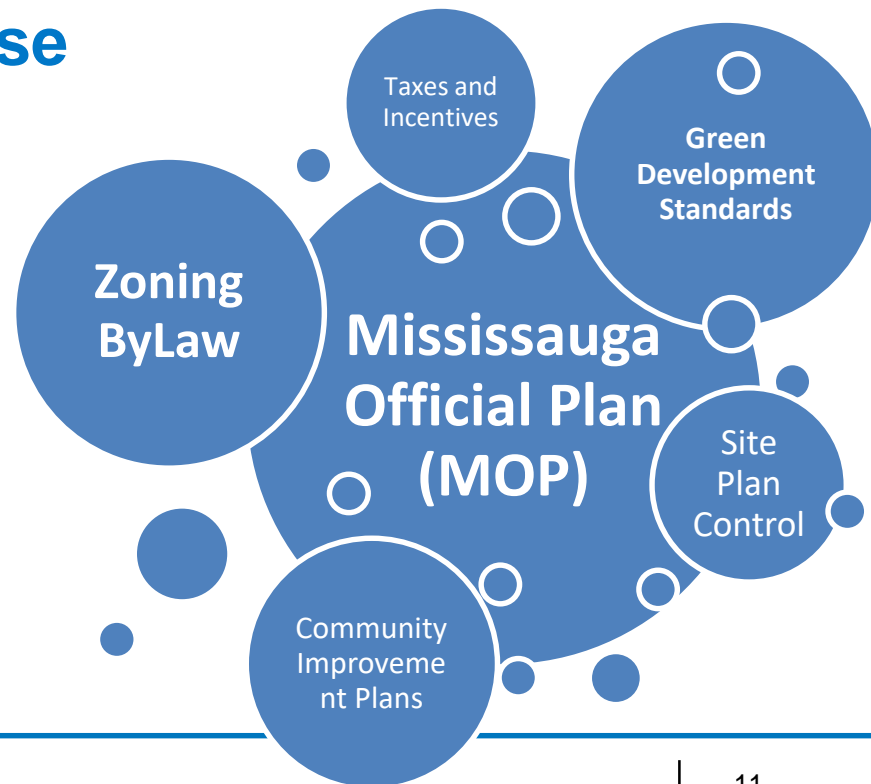
## Climate Mitigation And Adaptation Land Use Measures

1. The application of a climate lens to “Complete Communities”
2. Support climate resilient and green development practices
3. Policies will reflect action and recommendations from other City plans and strategies

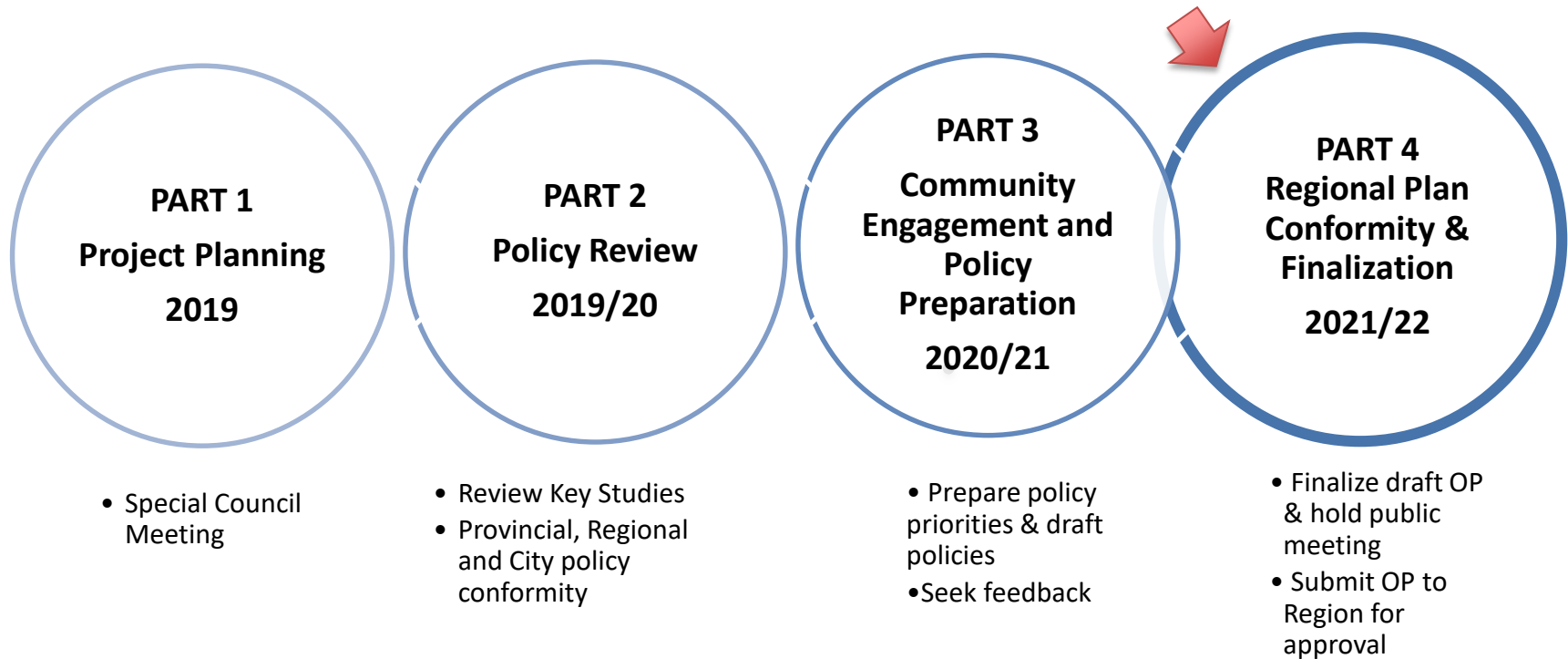


## 3 Adopt a Comprehensive Land Use Approach to a Climate Change Response

**The Official Plan is the primary implementation document of land use climate mitigation and adaptation measures**



# Next Steps



# Official Plan

## Our Future City

## THANK YOU

To review and comment on the full set of preliminary policy change directions, please visit:

<https://yoursay.mississauga.ca/official-plan-review>

# Litter Impacting Waterfowl - Research

Presented to: EAC July 6, 2021

Presented by: Diane Gibson and Paris Liu



# Fishing Line

## Solution: Fishing Line Collection Containers

*Units made of PVC pipes that collect:*

- Monofilament lines
- Fluorocarbon lines

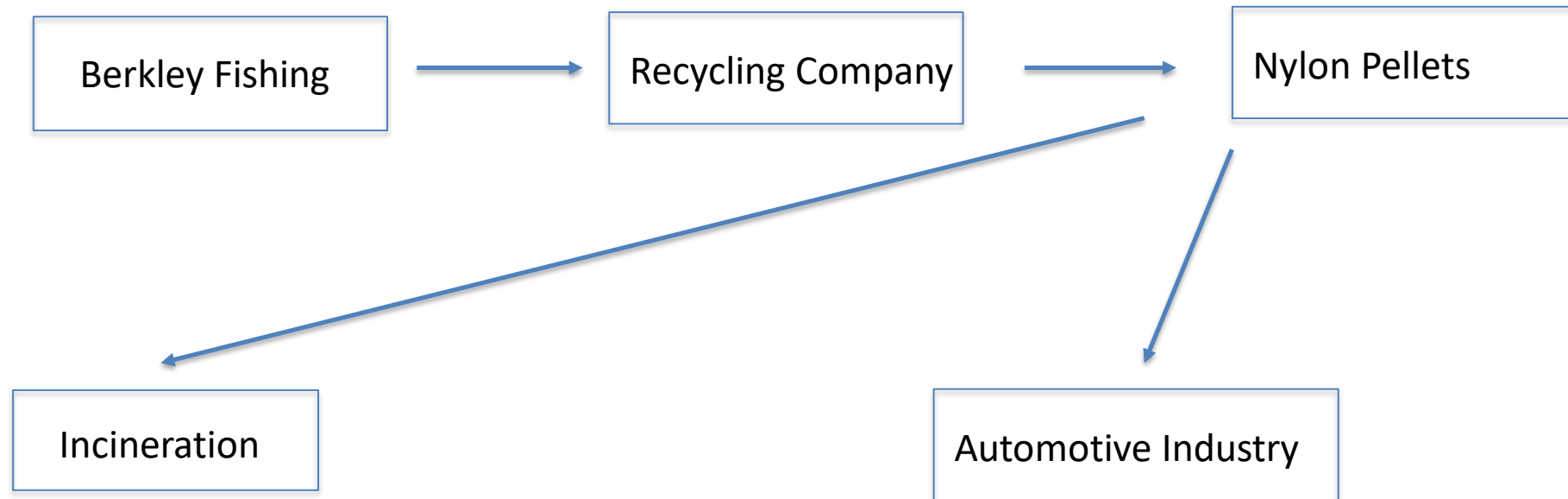
*Collection Containers Located At:*

- Lakefront Promenade
- Marina Park
- Lake Aquitaine
- JC Saddington





# Berkley Fishing Line Recycling Program



# Lead Sinkers

## Risk Management Practices

*“In Canada, lead sinkers weighing less than 50 grams or less than 2 centimeters in length are banned in national parks, and in wildlife refuge areas”*  
(Source: Canada.ca)



## Common Myths

Myth	Reality
Painted lead tackle is better	All lead tackle is toxic
Zinc tackle is more environmentally friendly	Zinc is also toxic
Alternatives are expensive	It depends on the material
Alternatives don't perform as well	Many actually perform better than lead
Alternatives damage lines and are hard	It depends on the material

# Lead Sinkers vs Lead-Free Sinkers

Material	Density (kg/m <sup>3</sup> )	Hardness (HV)	Price (CAD/kg)	Pros	Cons
Pure Lead	1.13e4-1.14e4	4-7	2.52-3.57	<ul style="list-style-type: none"> <li>- Cheap</li> <li>- Versatile</li> </ul>	<ul style="list-style-type: none"> <li>- Bad “feel”</li> <li>- Does not transmit sound well</li> <li>- Toxic</li> </ul>
Tungsten	1.69e4-1.86e4	268-419	80.1-85.7	<ul style="list-style-type: none"> <li>- Good “feel”</li> <li>- Sinker holes won’t be prone to closing up when in a tackle box</li> <li>- Heavy               <ul style="list-style-type: none"> <li>- Smaller size (due to higher density) = less snagging</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>- Expensive</li> </ul>
Steel (Low-Medium Carbon)	7.8e3	113-415	1-1.04	<ul style="list-style-type: none"> <li>- Good “feel”</li> <li>- Transmits sound well</li> <li>- Cheap</li> <li>- Holds paint well</li> </ul>	<ul style="list-style-type: none"> <li>- Cannot crimp</li> <li>- Light</li> </ul>
Tin	7.26e3-7.27e3	3-5	24.1-25	<ul style="list-style-type: none"> <li>- Good feel</li> <li>- Malleable (good for split shots)</li> </ul>	<ul style="list-style-type: none"> <li>- Shiny</li> <li>- Light</li> <li>- Expensive</li> </ul>
Bismuth	9.74e3-9.8e3	5-11.8	13.5-29.1	<ul style="list-style-type: none"> <li>- Popular for fly fishing</li> </ul>	<ul style="list-style-type: none"> <li>- Expensive</li> <li>- Light</li> </ul>
Brass	8.07e3-8.48e3	60-150	7.01-7.89	<ul style="list-style-type: none"> <li>- Transmits sound well</li> </ul>	<ul style="list-style-type: none"> <li>- Expensive</li> <li>- Cannot crimp</li> <li>- Light</li> </ul>
Granite	2.63e3-3.2e3	27-45	1.39-8.31	<ul style="list-style-type: none"> <li>- Larger = less snagging</li> <li>- Cheap</li> </ul>	<ul style="list-style-type: none"> <li>- Light</li> </ul>

## Lead-Free Sinkers Local Purchase Options

13 local businesses around Mississauga surveyed to determine if they sell lead-free tackle:

- 5 carry only tungsten and lead
- 3 carry only tin and lead
- 5 carry only lead

Overall feedback was that there was no demand for lead-free options

## Lead-Free Benchmarking

- Limited information in Canada
- Cleanup event in Ohio
- Social media photo contest in Maine
- Lead sinker collection
- Tackle exchange
- Lead-free tackle kits
- Tackle buy back program



## Other Litter



## Seabin Collection

- Fishing tackle, nurdles, balloons, and other plastic found in Seabin



## Next Steps

1. Connect with marketing as part of a larger Litter Campaign and review messaging based on general litter impacts to waterfowl
2. Connect with sponsorship and review new grants to determine whether support is available to help pay for future initiatives
3. Monitor and measure
  - Completing waste audit of waste containers located near the fishing line collection units
  - Gather weights to include in Corporate diversion amounts (provided by service provider)
  - Waste audit of Seabin materials

# Youth Engagement Climate Change Action Plan

EAC

July 6<sup>th</sup> 2021

Diana Suzuki-Bracewell & Samantha Dilorio





**Engagement &  
Partnerships**

Facilitating continuous engagement with the public and mobilizing all residents and stakeholders to advance climate action for the Corporation and in the community



## Action Pathway 5.0: Engagement and Partnerships

### CCAP Action #20: Inspire and Showcase Climate Action

- 20-3: Develop targeted outreach and engagement opportunities for youth in Mississauga

### CCAP Action #21: Support and Drive Behaviour Changes to Advance Climate Action

- 21-1: Develop a climate-themed event as part of the Smart City Centre for Civic Curiosity



Mississauga City Hall  
Global Climate Strike  
Friday September 27th 2019







**Bonnie Crombie**    
@BonnieCrombie

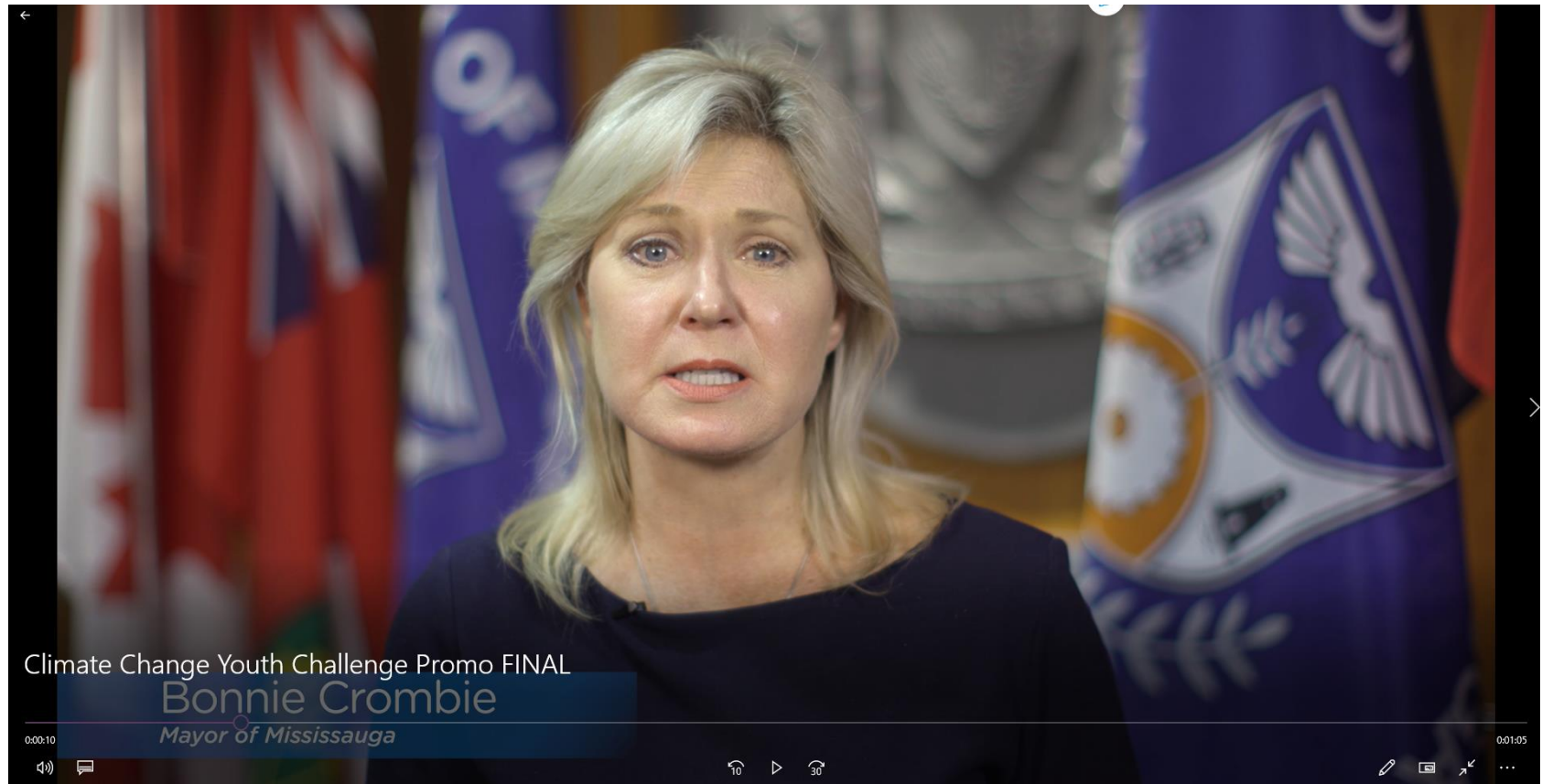
Met with some inspiring young climate leaders in [#Mississauga](#) to talk about our City's Climate Change plan. Cities are also climate leaders. [@GretaThunberg](#) you would be proud. You're inspiring a generation and are always welcome to visit Mississauga. Our future is in good hands.



Mayor Bonnie Crombie meets with several youth groups about their climate change concerns











Electric City



Connected Communities



Nature & Wellness



Circular Waste



## Research & Understand

- What are the key issues
- Map out the problem
- What are the climate change impacts

## Narrow the Scope

- Pick a specific location/project
- i.e. focus on the downtown, pick a neighbourhood, find a project on the City's EHQ website

## Brainstorm

- Benchmark against other cities
- Determine a plan to address the key issues and answer the theme question

## Refine Approach & Plan

- What should happen and when?
- i.e. Step 1: City to conduct feasibility study
- Step 2: pilot idea in specific neighbourhood

## Finalize & Submit

### Follow the criteria for final submission

1. Key issues
2. Project scope
3. The idea
4. The plan



Electric City

# MISSION TO EARTH



## Theme 1: Electric City

### Secondary

- John Cabot SS, Mentor Mili Alikalfic
- Rick Hansen SS, Mentor Rylan Urban
- St. Francis Xavier SS, Mentor Rylan Urban
- 1st Port Credit Sea Scouts, Mentor Francois Byrne

### Post-secondary

- Project 905, Mentor Ahmed Azhari



Connected Communities

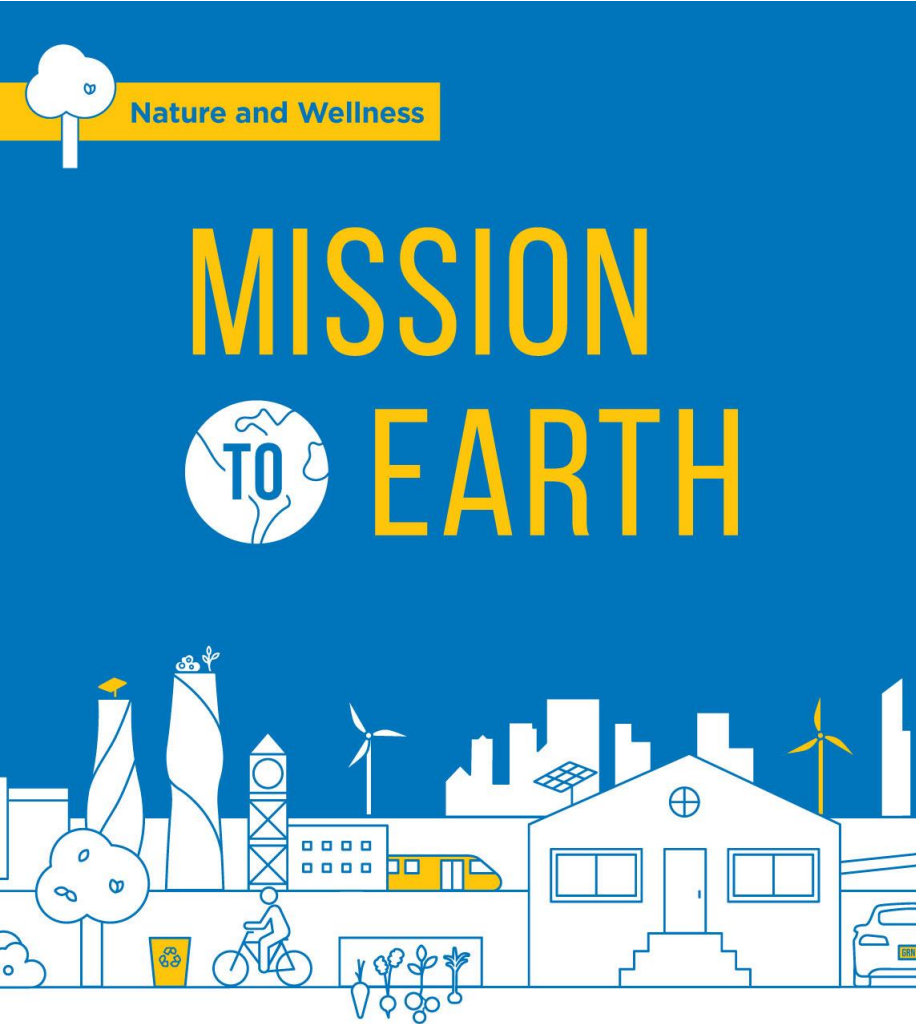
# MISSION TO EARTH



## Theme 2: Connected Communities

### Post-secondary

- EV Action Plan, Mentor Leya Barry
- Forth to Transport, Mentor Matthew Sweet
- ALSET, Mentor Alex Legrain
- Climate Crisis Connect, Mentor Andrea Rowe



## Theme 3: Nature & Wellness

### Secondary

- Lincoln SS, Mentor Felicia Radasso
- Rick Hansen SS, Mentor Jane Hayes
- St. Francis Xavier SS, Mentor Felicia Radasso

### Post-secondary

- Garlic Mustard, Mentor Amber Lammers
- Nature Corridors, Mentor Amber Lammers
- Food for All, Mentor Danielle Reid
- Foodject, Mentor Spencer Karabelas-Pittman



# MISSION TO EARTH



## Theme 4: Circular Waste

### Secondary

- John Cabot SS, Mentor Frances Edmonds
- Louise Arbour SS, Mentor Arielle Navarra
- Louise Arbour SS, Mentor Gurdeep Kang
- St. Francis Xavier SS, Mentor Heliya Babazadeh-Olegi

### Post-secondary

- All the Single-use Plastics, Mentor Arielle Navarra
- ReuZables, Mentor(s) Carol Chaput and Dave Yousif



Kehkashan Basu

@KehkashanBasu

Delighted to give the Keynote Address at the City of Mississauga's #ClimateChangeYouthSummit! 🇨🇦 Ensuring #ClimateJustice is no longer a choice, it is our responsibility as empathetic global citizens!

#SDG13 #Agenda2030 #LeaveNoOneBehind  
#LastDecadeOfAction @MiLivingGreen



City of Mississauga

4:22 PM · May 6, 2021 · Twitter for iPhone



## Thursday May 6, 2021





**Dufferin-Peel  
Catholic District  
School Board**



UNIVERSITY OF  
**TORONTO**  
MISSISSAUGA



**Sheridan**  
mission zero





## Action Pathway 5.0: Engagement and Partnerships

### CCAP Action #19: Raise Awareness about Climate Change

- 19-2: Pursue opportunities to collaborate with community groups and organizations to accelerate climate action

### CCAP Action #20: Inspire and Showcase Climate Action

- 20-3: Develop targeted outreach and engagement opportunities for youth in Mississauga



## Challenge Question: How might we mitigate litter in our public spaces?



Eco-lutionary: Friends of the River Mouth introduces EcoHub Mississauga!

Through this project, they encourage Mississauga youth to exercise sustainability daily by providing accessible and tangible resources through their digital platforms.

Specifically, Eco-lutionary: Friends of the River Mouth is mitigating Mississauga litter risk through a proactive and informative lens.

<https://www.yci.org/InnovateMYFuture/catalyst/eco-lutionary>

## Challenge Question: How might we increase food security in Mississauga?



Secure the Food Mississauga is helping tackle the lack of local and affordable produce in Mississauga.

They are distributing 28 indoor-gardening kits to low-income residents to grow their own low-maintenance produce year-round.

Educational materials are provided through social media to increase awareness of food insecurity in Mississauga and its relation to climate change.

[www.yci.org/InnovateMYFuture/catalyst/secure-the-food-mississauga](http://www.yci.org/InnovateMYFuture/catalyst/secure-the-food-mississauga)

- Continue working with Youth partners
- Youth Challenge International: Innovate MY Future program
- UTM 4<sup>th</sup> year GIS Capstone class on urban agriculture
- Project Neutral launch



# Thank you!



@MiLivingGreen



@SaugaGreen



## ACER's Project Crossroads

*"Climate justice science, for trees and for people."*

# "Working Together for Safer, Greener Spaces in our Mississauga Communities"

Canadian Healthy Communities Initiative sited in Dixie/Bloor Area

**To: City of Mississauga – Environmental Action Committee**

**Date: July 6, 2021**

**Prepared: Catherine Soplet, Building Up Our Neighbourhoods**

**For: Alice Casselman, B.Sc.(Hons), M.O.Ed., Founder and President**

**ACER (Association for Canadian Educational Resources)**



# ACER Funded \$50,605 for June 2021-June 2022 under Infrastructure Canada new \$31 million COVID-response investment into physical, social and digital infrastructure



Responds to social needs arising from COVID-19: 1-year funding of small-scale infrastructure projects to create and adapt public space and programs that lead to safer, more vibrant and inclusive communities.

## The Healthy Communities Initiative Themes:



Safe and vibrant public spaces



Improved mobility options



Digital solutions



Funded by  
**Canada**





# ACER'S CHCI Collaboration for Dixie-Dundas areas

5.4



Residents, Public Schools  
and Local Business Networks

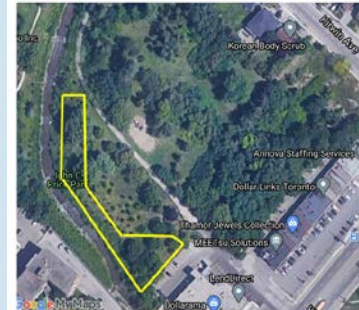


Blooming Boulevards



## Canada Healthy Community Initiative Targets Public Parks

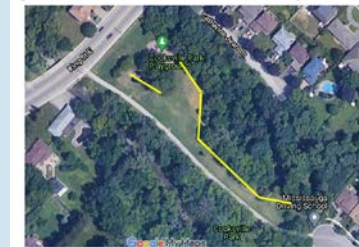
NE of Hurontario & Dundas  
(350m from intersection)



NW of Dixie and Dundas  
(650m from intersection)



SE of Hurontario and Dundas  
(475m from intersection)

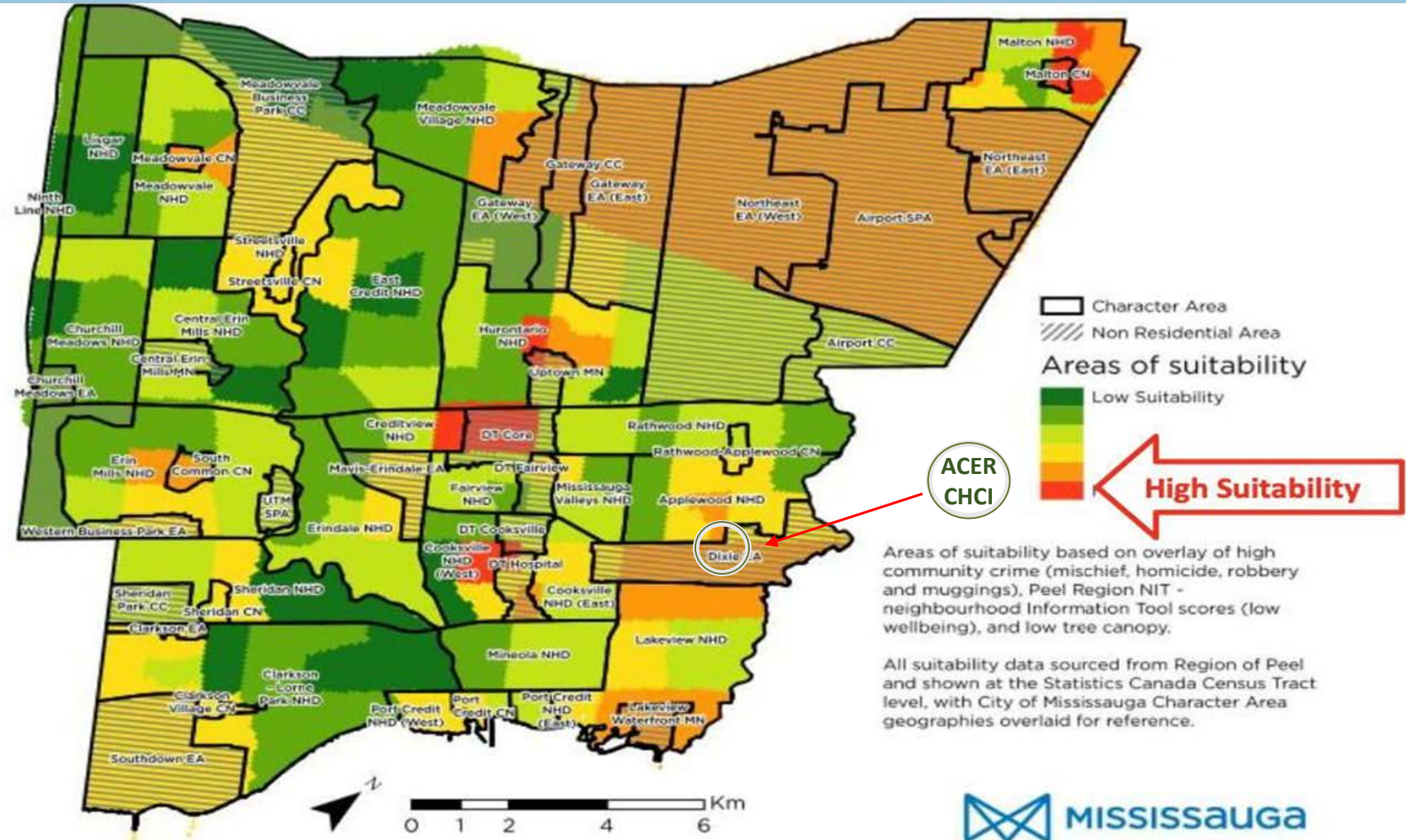


Applewood Heights Park  
Brickyards Park  
Fleetwood Park





# Mississauga Data Map: Low Tree Canopy Areas with overlay data for unmet health and social needs



# Based on Project Crossroads 2020: Summarizing Report<sup>5.4</sup>

## ACER gets Peel Region nod, for community-engaged climate action in Knightsbridge

*Project Crossroads can address trifecta of crises: climate change, racism and COVID-19*



Alisa  
Community Volunteer



Co-designed plantings of native tree species on...

*Grade 11 student Vanessa logged volunteer hours ahead of her remote learning, despite blustery early morning weather. "I woke up early and so I thought, why not come out and help my community?" she said.*

<https://youtu.be/BJeFO33axU8>

2+ 003



**Catherine Soplet**  
Building Up Our Neighbourhoods  
Mississauga, Ontario soplet@sympatico.ca @Soplet

January 8, 2021

Association for Canadian Educational Resources  
Helen Street, Mississauga L5G 3B5

Attention: Alice Casselman, President

**Re: Delegation to Peel Regional Council – ACER reports on Project Crossroads**

I am pleased to provide this Letter of Support to ACER (Association for Canadian Educational Resources) by summarizing its success to deliver Project Crossroads urban reforestation initiative in October 2020, as a contribution of climate change labs to the Knightsbridge area of Bramalea SNAP (Sustainable Neighbourhood Action Program)



<http://bit.ly/AcerPx> BUON-Report Dec-2020



[www.acer-acre.ca/project-crossroads](http://www.acer-acre.ca/project-crossroads)

## ACER's Project Crossroads



Volunteers  
Family "bubbles"

.... and students

Sustainable Neighbourhood Action Program



ACER funded for Bramalea SNAP project by:



Interested in tree planting, measuring, and monitoring?  
Get started with Mulch, Measure, and MOR!

## RESULTS: October 2020, under COVID

- 5 planting events in 3 Knightsbridge locations
- 71 volunteers, include secondary students
- 153 large trees + native pollinator/bird shrubs (biomass equivalent to 1840 x 1-gallon 18" trees)

## Impact:

- Measure-Mulch-MOR units w/ training videos
- Extend Million Trees program with mulch delivery
- Animate non-profit agency ecosystem
- Introduce Carbon Calculation for GHG emission

Project Crossroads is a Proof-in-Concept for application Environment Canada under CAAF:

<https://bit.ly/ACER-Proposal-CAAF-11-2020>

### Climate Action and Awareness Fund



Total Proposal value: \$ 1,472,588

EC-CAAF: \$ 816,712

In-Kind: \$ 655,876

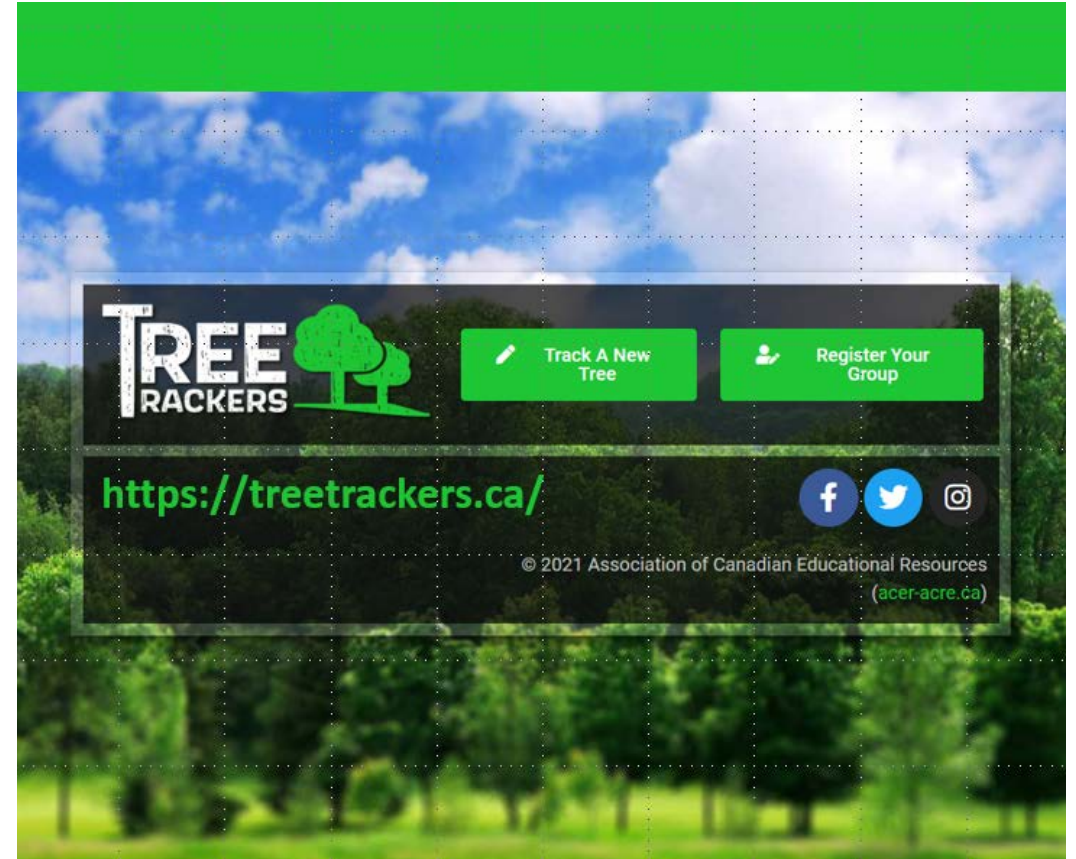
Four years:  
2021-2025





# New Digital Products: Outdoor/ On-line/ COVID-adapted<sup>5.4</sup>

- Mulch, Measure and MOR
- TreeTrackers.ca



<https://www.acer-acre.ca/mulch-measure-mor>

<https://treetrackers.ca/>

# 2019-2022 Environmental Action Committee Work Plan

WORK PLAN ITEM	ACTION FOR EAC MEMBERS	TIMING	PROGRESS	
			Action Taken or Date Completed	
Climate Change	Support approval and implementation of the Climate Change Action Plan.	Ongoing	May 29, 2019	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;  <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>
			June 11, 2019	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;  <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>
			June 19, 2019	At the June 19, 2019 Council, the following EAC-0016-2019 recommendation was amended and approved as;  <i>Climate change is a real and urgent crisis, driven by human activity, that impacts the environment, biodiversity, human health and the economy.</i>  <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>  <i>That the students of Camilla Road Senior P.S. be thanked for their initiative on this matter.</i>
			July 9/2019	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.
			July 25/2019	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.

# 2019-2022 Environmental Action Committee Work Plan

Climate Change	Support approval and implementation of the Climate Change Action Plan.	Ongoing	<b>Sept. 9/2019</b>	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.
			<b>Sept. 19/2019</b>	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.
			<b>Nov. 12/2019</b>	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. <b>EAC-0041-2019</b></i>
			<b>Dec. 4/2019</b>	At the December 4, 2019 General Committee meeting – The Climate Change Action Plan was unanimously supported and approved by the Members of Council.  <i>That the Climate Change Action Plan (CCAP), and its supporting vision, goals, and actions, attached as Appendix 1 to the Corporate Report dated November 22, 2019 entitled "Climate Change Action Plan" from the Commissioner of Community Services be approved, subject to the City of Mississauga's annual budget process. <b>GC-0650-2019</b></i>
			<b>Sept. 15/2020</b>	City staff presented to EAC on the Climate Change Online Public Education and Engagement Tools.
			<b>Nov. 3/2020</b>	At the November 3, 2020 EAC meeting – A deputation from Clean Air Partnership and a staff memo regarding Inter-Governmental Declaration on Clean Air and Climate Change for Clean Air Council were presented to the EAC Members and the Committee approved the following recommendation;  <i>2. That the Environmental Action Committee are in support of Clean Air Council's 2019-2023 Intergovernmental Declaration on Clean and Climate Change and recommend endorsement from General Committee on November 18, 2020. <b>EAC-0022-2020</b></i>
			<b>Dec. 8/2020</b>	At the December 8, 2020 EAC meeting – A deputation from Clean Air Alliance and an associated memo requesting the City to draft a letter to the Province supporting the initiative to Phase-Out Ontario's Gas-Fire Power Plants by 2030 was presented to the EAC Members and the Committee approved the following recommendation;  <i>3. That staff further investigate Clean Air Alliance's request to phase-out all gas-fired electricity generation and to benchmark with other municipalities on endorsement and to report back to the Environmental Action Committee prior to General Committee. <b>EAC-0032-2020</b></i>

# 2019-2022 Environmental Action Committee Work Plan

Climate Change	Support approval and implementation of the Climate Change Action Plan.	Ongoing	<b>Dec. 8/2020</b>	<p>At the December 8, 2020 EAC meeting – A deputation from Alice Casselman, EAC Member and Founding President of Association for Canadian Educational Resources, and Catherine Sople, Founder, Building Up Our Neighbourhoods, and a draft proposal on an initiative called Project Crossroads was presented to the EAC Members and the Committee approved the following recommendation;</p> <p>2. That the Environmental Action Committee are in support in principal of Association for Canadian Educational Resources Project Crossroads Initiative. <b>EAC-0033-2020</b></p> <p>Staff will work offline with Association for Canadian Educational Resources to explore the potential of expanding the One Million Trees Program to include the School Board District and potentially creating a working committee with staff that focuses on climate change, equity and inclusion.</p>
			<b>Feb. 2/2021</b>	<p>At the February 2, 2021 EAC meeting – staff provided an update based on a directive from the December 8, 2020 EAC meeting regarding the initiative to Phase-Out Ontario's Gas-Fire Power Plants by 2030. The Committee approved the following recommendation;</p> <p><i>That the Environmental Action Committee support in principal Phasing-Out Ontario's Gas-Fired Electricity Power Generation and recommends that Jack Gibbons, Chair, Ontario Clean Air Alliance present this initiative for further discussion at an upcoming General Committee meeting. <b>EAC-0002-2021</b></i></p>
			<b>Feb. 24/2021</b>	<p>At the February 24, 2021 General Committee meeting, Clean Air Alliance made a deputation regarding the Phase-Out Ontario's Gas-Fired Electricity Power Generation in conjunction with a staff corporate report.</p>
			<b>Mar. 3/2021</b>	<p>At the March 3, 2021 Council meeting, Council approved the motion brought forward by the Chair of EAC regarding the City's request to the Province to place an interim cap per year on the GHG emission from gas-fired power plants and to develop and implement a plan to phase-out all gas-fired electricity generation by 2030. Refer to <b>Resolution 0042-2021</b>.</p>
VOLUNTEERING	Participate in volunteering opportunities as members of the Community Green Leaders volunteer program.	Spring 2020	<b>Sept. 26/2019</b>	<p>Opportunities for EAC Members to participate in the program will be brought to the Committee in spring 2020.</p>
		Ongoing	<b>Oct. 8/2019</b>	<p>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).</p>



# 2019-2022 Environmental Action Committee Work Plan

<b>VOLUNTEERING</b>	Participate in volunteering opportunities as members of the Community Green Leaders volunteer program.	Ongoing	<b>Mar. 3/2020</b>	<p>Pujita Verma, EAC Citizen Member coordinated the details of Adopt-A-Park Clean Up for the Members of the Committee. The Committee decided on the following;</p> <p>2. That the Environmental Action Committee selected the proposed dates of April 18, August 22, and October 17, 2020 at 10:00AM to participate in the Adopt-A-Park Clean-Up Program.</p> <p>a. That the April 18, 2020 Adopt-A-Park Clean Up be located at the R.K. McMillan Park along the banks of the Cooksville Creek from Lakeshore Road to Lake Ontario.</p> <p>b. That the locations of the August 22 and October 17, 2020 proposed Adopt-A-Park Clean-up dates be determined at a future date. <b>EAC-0009-2020</b></p> <p>Due to the COVID-19 Pandemic – the April and August dates for the Adopt-A-Park Clean Ups have been postponed.</p>
			<b>Aug. 14/2020</b>	City staff have developed COVID protocols for safely reengaging volunteers and on August 14, 2020 conducted a trail litter clean up at R.K. McMillan Park with the Environment staff to test these protocols. Based on this, a date to conduct a litter clean-up with EAC Members will be discussed on September 15, 2020 EAC Meeting.
			<b>Oct. 6/2020</b>	Pujita Verma, EAC Citizen Member provided an update to EAC on the Committee's upcoming October Litter Clean Up and new health and safety protocols surrounding COVID-19. An email was sent post meeting outlining the volunteer participation; Saturday, October 17, 2020 from 10AM to 12PM at R.K. McMillan Park.
			<b>Oct. 17/2020</b>	EAC Members participated in Litter Clean Up at R.K. McMillan Park. Several EAC members participated in the clean-up and a total of 10 kg of waste was collected. Littered items mainly included coffee cups, balloons, confetti, beer bottles.
<b>Support City Action on Environment</b>	Be prepared to comment on City-led items brought forward to EAC meetings. (E.g., strategic plans, by-laws).	At EAC meetings	<b>Sept. 9/2019</b>	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.
			<b>Sept. 9/2019</b>	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.
			<b>Nov. 12/2019</b>	The Stormwater Master Plan was presented at EAC, where the Members provided comments and feedback.
			<b>July 7/2020</b>	An email was sent to EAC Members requesting feedback on the Stormwater Master Plan.
			<b>Sept. 15/2020</b>	City staff presented to EAC an Update on District Energy in the City of Mississauga.
			<b>Oct. 6/2020</b>	A deputation regarding the Pedestrian Master Plan was presented at EAC, where the Members provided comments and feedback.



# 2019-2022 Environmental Action Committee Work Plan

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	Oct. 6/2020	A deputation regarding the Green Fleet and Equipment Policy was presented at EAC, where the members provided comments and feedback.
			Oct. 6/2020	City staff presented to EAC on the Home Energy Retrofit Program.
			Nov. 3/2020	A deputation regarding Energy Efficiency in Buildings and Low Carbon Energy Supply was presented at EAC, where the Members provided comments and feedback.
			Nov. 3/2020	A deputation regarding Parkland Acquisition was presented at EAC, where the Members provided comments and feedback.
			Nov. 3/2020	A deputation regarding the Downtown Movement Plan was presented at EAC, where the Members provided comments and feedback.
			Nov. 3/2020	At the November 3, 2020 EAC Meeting – the Committee approved the following recommendation;  <i>That the draft Green Fleet and Equipment Policy, attached as Appendix 1, the Decision Making Framework and Electric Vehicle Charging Station Standard, attached as Appendix 2 and 3 be supported by the Environmental Action Committee and recommend endorsement by General Committee. EAC-0027-2020</i>  Subsequently, at the November 25, 2020 General Committee meeting, Council adopted the Green Fleet and Equipment Policy and Electric Vehicle Charging Station Standard as per Recommendation <b>GC-0317-2020</b>
			Dec. 8/2020	A deputation regarding the Electric Grass Cutting Equipment Pilot Project was presented at EAC, where the Members provided comments and feedback.
			Dec. 8/2020	A deputation regarding the Sustainable Procurement Policy was presented at EAC, where the Members provided comments and feedback.
			Feb. 2 /2021	The Stormwater Master Plan and project scope was presented at EAC, where the Members provided comments and feedback.
			Feb. 24/2021	At the February 24, 2021 Special Council Meeting, Members of Council brought forward a motion opposing the construction pertaining to the GTA West highway 413. Refer to <b>Resolution 0033-2021</b> .
			Mar. 2/2021	At the March 2, 2021 EAC Meeting, the Committee approved the following recommendation;  <i>That the Environmental Action Committee is in full support of Council's opposition to the proposed highway 413. EAC-0007-2021</i>
			Mar. 2/2021	A deputation regarding the upcoming 2021 Earth Days events was presented at EAC.

# 2019-2022 Environmental Action Committee Work Plan

			<b>Mar. 2/2021</b>	A deputation regarding the Dog Waste In-Ground Containers Results were presented at EAC.
			<b>Apr. 6/2021</b>	A deputation regarding the Urban Agriculture Strategy was presented to EAC, where the Members could provide feedback.
			<b>Apr. 6/2021</b>	A follow-up deputation providing an update on the 2021 Earth Days events was presented to EAC.
			<b>June 1/2021</b>	A deputation and associated corporate memo regarding the Stormwater Master Plan and the Plan's Draft Actions, were presented to EAC, where Members provided brief comments and both items were received for information.
			<b>June 1/2021</b>	A deputation regarding the 5 Year Energy Conservation Plan – 2020 Annual Report was presented at EAC, where the Members were provided an opportunity to provide comment and feedback.
			<b>June 1/2021</b>	A deputation regarding We Are Resilient; an environmental initiative in conjunction with Museums of Mississauga was presented to EAC, where the Members were provided an opportunity to provide comment and feedback.
<b>Report on Committee Progress</b>	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	<b>Mar. 3/2020</b>	At the March 3, 2020 EAC Meeting – the Committee approved the following recommendation;  1. <i>That Carina Suleiman and Shazerah Qureshi, Environmental Action Committee Student Members have been selected to present on the Committee's Progress and Achievements outlined in the Environmental Action Committee Work Plan to Members of Council at the June 10, 2020 General Committee.</i> 2. <i>That the Environmental Action Committee Work Plan be approved as discussed at the March 3, 2020 Environmental Action Committee meeting. EAC-0010-2020</i>
			<b>July 22/2020</b>	At the July 22, 2020 Virtual Council Meeting - Carina Suleiman and Shazerah Qureshi, Environmental Action Committee Student members presented (deputation) the Committee's Progress and Achievements based on the Environmental Action Committee Work Plan.
			<b>Dec. 8/2020</b>	Due to the COVID-19 Pandemic, this year (2020) the Committee will forego the second deputation to report on the Committee's progress outlined in the EAC Work Plan.
			<b>Apr. 6/2021</b>	The Members decided to report on the Committee's progress outlined in the EAC Work Plan via email to the Members of Council and nominated Alice Casselman, Community Group Representative to be the presenter at a future deputation. The Committee approved the following recommendation;  1. <i>That staff prepare a memo with the Environmental Action Committee Work Plan attached to be emailed to the Members of Council by the end of June 2021 to Report on the Committee's Progress. EAC-0013-2021</i>
			<b>June 1/2021</b>	The EAC Members approved the memo on the Committee's progress included in the June 1, 2021 EAC agenda package, which noted the June version of EAC's Work Plan to be sent via email to the Mayor and Members of Council.

# 2019-2022 Environmental Action Committee Work Plan

Additional/Other			<b>Nov. 12/2019</b>	At the November 12, 2019 EAC meeting – the Committee supported going paperless and approved the following recommendation;  <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>
			<b>Oct. 6/2020</b>	The Citizen Satisfaction Survey was presented at EAC. Members provide comments and feedback pertaining to expanding the Environmental section to include a question on Climate Change.
			<b>Oct. 6/2020</b>	A verbal update on the Smart City Challenge was provided at EAC. If interested, Members can be invited to attend the industry presentations and the closing awards session.
			<b>Dec. 8/2020</b>	A secondary student presented to the Committee on Marker Recycling. Staff will work with the student offline to create a potential pilot project to place cardboard bins for markers to be recycled in City owned libraries and recreational facilities.
			<b>Apr. 6/2021</b>	Climate Community Council presented to the Committee on services provided by Climate Community Council.
Next Steps	Upcoming suggested environmental actions and initiatives to be implemented.	Ongoing	<b>Feb. 4/2020</b>	At the February 4, 2020 EAC Meeting – Two external deputations presented on the decline of birds as result of unfriendly bird glazing. The Committee requested that staff contact FLAP (Fatal Light Awareness Program) Canada to gather birds of prey statistics and report back to EAC. The Committee approved the following recommendation;  2. <i>That staff be directed to report back to a future Environmental Action Committee meeting to investigate the feasibility of becoming a Bird City.</i> 3. <i>That Animal Services staff be requested to provide a list of programs and services related to injured animals and wildlife rehabilitation to be circulated to the Environmental Action Committee and Members of Council. EAC-0002-2020</i>
			<b>Apr. 6/2021</b>	Ontario Trumpeter Swan Restoration presented to the Committee on Port Credit Waterfront Pollution and the effects on Waterfowl. The Committee requested that staff report back to EAC on the effects of lead on waterfowl.
			<b>Apr. 6/2021</b>	Blooming Boulevards presented to the Committee on services provided by Blooming Boulevards and requested a Municipal Community Greenhouse. The Committee approved the following recommendation;  2. <i>That the Environment Staff schedule a meeting with Jeanne McRight, President, Blooming Boulevards to further explore the feasibility regarding the request to create a Municipal Greenhouse. EAC-0009-2021</i>
			<b>Apr. 6/2021</b>	A deputation regarding the Urban Agriculture Strategy was presented to the Committee. Direction to staff was given to set up an offline meeting with Britt McKee, Community Group Representative (Ecosource), Lea-Ann Mallet, Citizen Member and any other organizational partners to discuss the application of the Urban Agriculture Strategy.