

Environmental Action Committee

Date: April 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
Vacant	Partners in Project Green
Melanie Kramer	Credit Valley Conservation
Britt McKee	Ecosource
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 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, April 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

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 – March 2, 2021

5. DEPUTATIONS

5.1. Port Credit Waterfront Pollution and the effects on Waterfowl

Valeria Pirner, Ontario Trumpeter Swan Restoration

Dianne Horwath, Ontario Trumpeter Swan Restoration

5.2. Blooming Boulevards: Growing the Future

Jeanne McRight, President, Blooming Boulevards

5.3. Community Climate Council

Baani Dhillon, Political Advocacy Coordinator, Community Climate Council

Lajanthan Prabakaran, Board Member, Community Climate Council

5.4. Urban Agriculture Strategy

Lisa Urbani, Coordinator, Environmental Initiatives

Jane Hayes, Project Lead, Hoffmann Hayes

5.5. Update on 2021 Earth Days

Diana Suzuki-Bracewell, Supervisor, Environmental Outreach

Heliya Babazadeh-Oleghi, Environmental Outreach Coordinator

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 by **Friday, April 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, May 4, 2021 at 9:30am

Online Video Conference

12. **ADJOURNMENT**

Environmental Action Committee

Date: March 2, 2021
Time: 9:30 AM
Location: Online Video Conference

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

Staff Present

Dianne Zimmerman, Manager, Environment
Lisa Urbani, Supervisor, Environment Initiatives
Diana Suzuki-Bracewell, Supervisor, Environmental Outreach
Heliya Babazadeh-Olegi, Environmental Outreach Coordinator
Diane Gibson, Waste Management Assistant
Gavin Longmuir, Manager, Parks
Catherine Nguyen-Pham, Communications Coordinator
Dayna Obaseki, Legislative Coordinator

1. CALL TO ORDER

Councillor Mahoney, Chair called the meeting to order at 9:34AM.

2. APPROVAL OF AGENDA

Approved (Councillor Carlson)

3. DECLARATION OF CONFLICT OF INTEREST - Nil.**4. MINUTES OF PREVIOUS MEETING****4.1 Environmental Action Committee DRAFT Minutes – February 2, 2021**

Approved (B. McKee)

5. DEPUTATIONS**5.1 Earth Days 2021**

Diana Suzuki-Bracewell, Supervisor, Environmental Outreach
Heliya Babazadeh-Olegi, Environmental Outreach Coordinator

Ms. Suzuki-Bracewell and Ms. Babazadeh-Olegi presented and provided an overview on upcoming events for the 2021 Earth Days. They noted the proposed programs, community and internal partnerships, a social media campaign, the 20 Minute Maker and a variety of virtual events. Earth Days will take place from April 13th - 23rd, 2021.

Members of Committee raised questions regarding outdoor events and the associated COVID health and safety protocols as well as tree planting and specimen collection.

RECOMMENDATION EAC-0004-2021

Moved By A. Casselman

That the deputation and associated presentation by Diana Suzuki-Bracewell, Supervisor, Environmental Outreach and Heliya Babazadeh-Olegi, Environmental Outreach Coordinator regarding Earth Days 2021 be received.

Received

5.2 Dog Waste In-Ground Containers Results

Diane Gibson, Waste Management Assistant

Ms. Gibson presented and provided an overview on the results of the Dog Waste In-Ground Containers. She addressed the issue of contamination stemming from incorrectly placed dog waste in park recycling bins. The pilot project began in January 2018 and has had continued success. Ms. Gibson noted benchmarking with other municipalities, collection audits, public feedback and the overall highlights.

Members of the Committee applauded the pilot project and the increasing public uptake. Councillor Dasko inquired if additional dog waste receptacles would be rolled-out especially along the waterfront trail.

Ms. Gibson and Gavin Longmuir, Manager of Parks responded that additional units will be installed and the locations are to be determined during further consultation with the Leadership Team and Council. They further noted that not every park will have a dog waste container due to the collection process and the large machinery utilized to service the units.

RECOMMENDATION EAC-0005-2021

Moved By Councillor Dasko

That the deputation and associated presentation by Diane Gibson, Waste Management Assistant regarding the Dog Waste In-Ground Containers Results 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 Consent Agenda.

8. MATTERS CONSIDERED

8.1 Environmental Action Committee (EAC) Work Plan

No discussion took place.

RECOMMENDATION EAC-0006-2021

Moved By Councillor Carlson

That the Environmental Action Committee Work Plan be approved as discussed at the March 2, 2021 EAC meeting.

Approved

9. INFORMATION ITEMS - Nil.

10. OTHER BUSINESS/ENQUIRIES

Highway 413

Councillor Mahoney spoke to the proposed Highway 413 and noted that Council unanimously objected to the highway at the February 24, 2021 Special Council meeting.

He further noted that at Regional Council, the item was referred to staff to report back with more information including environmental concerns. Councillor Mahoney noted that the Committee Members could submit their comments online regarding the proposed highway and requested that the Legislative Coordinator provide the EAC Members with webpage to submit their comments.

Direction to staff was given to provide the Members of EAC with the webpage link to submit comments pertaining to the proposed Highway 413.

Brad Butt, Community Group Representative (non-voting member) noted that the Mississauga Board of Trade as not taken a position on the matter and that a few affiliated organizations are in support of the highway. Chelsea Dalton, Citizen Member brought forward a motion opposing the proposed highway.

Greenhouses

Alice Casselman, Community Group Representative noted the need for an increase of greenhouses within the City of Mississauga. Ms. Casselman suggested creating greenhouses on school property; such as high schools and post secondary institutions. Chelsea Dalton, Citizen Member responded by noting that University of Toronto Mississauga (UTM) currently has two greenhouses on campus, however these facilities are not open to the public as one is a research lab and not always staffed to allow for public access.

Members of the Committee further noted using under-utilized spaces to create greenhouses, urban agriculture, native seed planting, plant adoptions and other grass root initiatives. Dianne Zimmerman, Manager of Environment noted that the launch of the Urban Agriculture Strategy in April as well as further exploring greenhouses, grass roots efforts and public engagement.

RECOMMENDATION EAC-0007-2021

Moved By C. Dalton

That the Environmental Action Committee is in full support of Council's opposition to the proposed highway 413.

Approved

11. DATE OF NEXT MEETING

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

12. ADJOURNMENT

10:19AM (L. Mallet)

Contamination of Port Credit waterfront with fishing lines/gear and toxic lead tackle and its effects on Trumpeter swans. Challenges and solutions.



Presentation prepared by Valeria Pirner and Dianne Horwath

Brief history

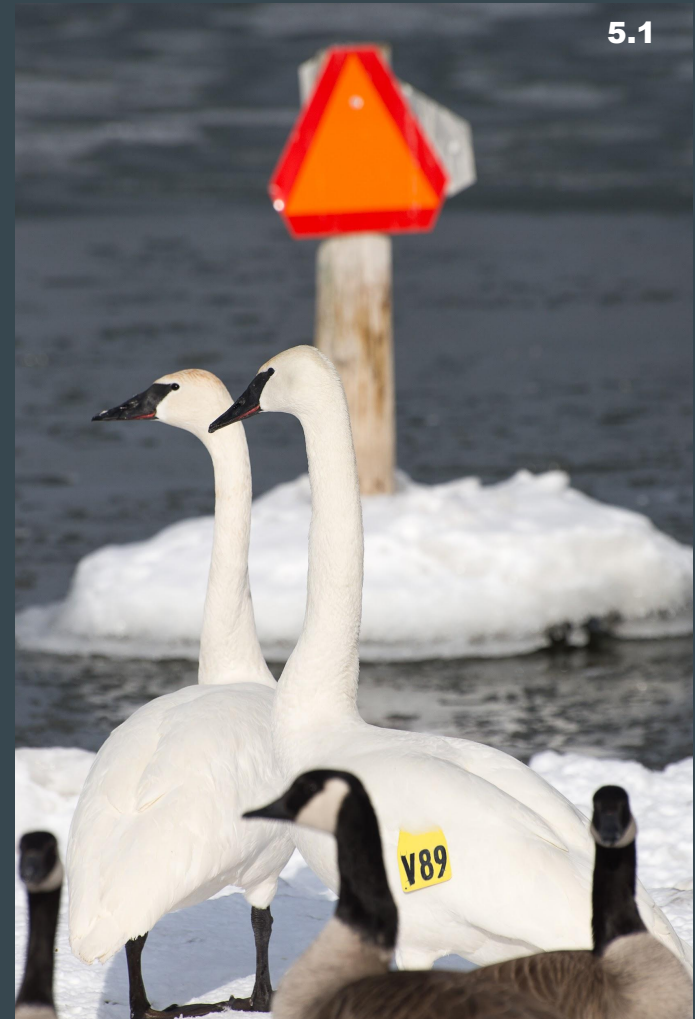
Trumpeter swans are native to Canada and were extirpated from Ontario in late 1800s. The restoration program in Ontario was initiated by retired Ministry of Natural Resources biologist, Harry Lumsden, in 1982, along with the Trumpeter Swan Society, with the objective to “restore the species to as much of its former range as possible”. After 40 years of hard work, the Southern Ontario population stands at over 1,200 birds. Port Credit was fortunate to be a winter home for 14 Trumpeter swans this year, a two-fold increase from the previous years. Scores of people visited our area this winter to observe these magnificent birds and share their images on social media.



©VP Pirner

Moving toward using lead-free fishing tackle

Credit River is “one of Mississauga’s most cherished waterways” with Port Credit waterfront being “one of Mississauga’s few truly natural”, unique and fragile wildlife areas. It is also a very popular fishing spot with recreational fishing activities being largely unregulated. “An average Canadian angler can lose 11 to 15 lead jigs and sinkers while fishing due to snags and other reasons. This adds to about 460 tonnes of lead jig and sinker lost into Canadian waterways every year.” Lead is a highly toxic metal and the ingestion of small lead fishing sinkers and jigs is a major cause of death in Trumpeter swans in Ontario, exceeding deaths due to trauma, entanglement in fishing gear and disease.



“It is well documented that wildlife, primarily piscivorous birds and other waterbirds, ingest fishing sinkers and jigs during feeding, when they either mistake the sinkers and jigs for food items or grit or consume lost bait fish with the line and weight still attached. Lead fishing weights that weigh less than 50 g and are smaller than 2 cm in any dimension are generally the size found to be ingested by wildlife. Ingestion of a single lead sinker or lead-headed jig, representing up to several grams of lead, is sufficient to expose a loon or other bird to a lethal dose of lead.” (*Environment and Climate Change Canada, 2018*)

Current Lead Research by Ontario Trumpeter Swan Restoration in Collaboration with Dr. Sherri Cox, Wildlife Veterinarian



Every year, many Trumpeter swans become sick from ingestion of lead. In some cases, birds require surgery to remove large pieces of lead from their ventriculus (stomach). Chronic lead toxicity could pose a threat to Trumpeter swan population. Lead interferes with several metabolic functions, and can cause neurologic signs, gastromotility changes, hematological changes, behavioural changes, and other medical concerns in birds.



Report from the Toronto Wildlife Centre on Port Credit swan admissions

In the past year, a total 5 Trumpeter swans from Port Credit were admitted and treated by the TWC for different ailments related to water pollution and human interference:

- 2 were treated for lead ingestion and toxicity
- 2 swans (V89 and P56) were treated after the diesel spill in November 2020
- the same 2 swans were readmitted shortly after; one for sprained wing (reportedly, from a car strike in the marina parking lot), the other for puncture wounds (likely dog)
- 1 swan (Z43) was admitted and treated for swallowed fishing hook that TWC was not able to remove due to the complex nature of the injury. The swan passed away shortly after being released.

TWC Mute Swan report:

A total of 10 mute swans were admitted and treated by TWC since 2017;

- 4 - fishing hook/line injury/entanglement
- 3 oil/diesel exposure
- 3 lacerations/wounds
- 1 fractured wing

“In general most fishing line/hook patients will recover if objects are removed and any issues are addressed at the hospital. Most fractures would mean euthanasia especially when severe on such large birds. Laceration and wound patients usually have a good prognosis depending on the severity of wounds. Lead, in our experience, is most likely from lead sinkers used when fishing. Most of these birds are so sick when we get to them, that they will pass away [in care] or will have to be humanely euthanized.” ~Toronto Wildlife Centre staff.

SUMMARY: Current dangers to the future of Trumpeter Swans in Port Credit

Lead poisoning from ingesting lost and discarded lead fishing sinkers and jigs

Trauma and injuries related to fishing line entanglement and swallowed fishing hooks/gear

Loss and degradation of wintering grounds due to garbage pollution

Human interference such as harassment by people and dogs and illegal feeding of waterfowl

Poster by Jill Ramsay

Hook, line and sinker: All of them deadly!

Discarded fishing tackle KILLS AND INJURES swans and other wildlife



Fishing line can strangle, choke, cut off blood supply



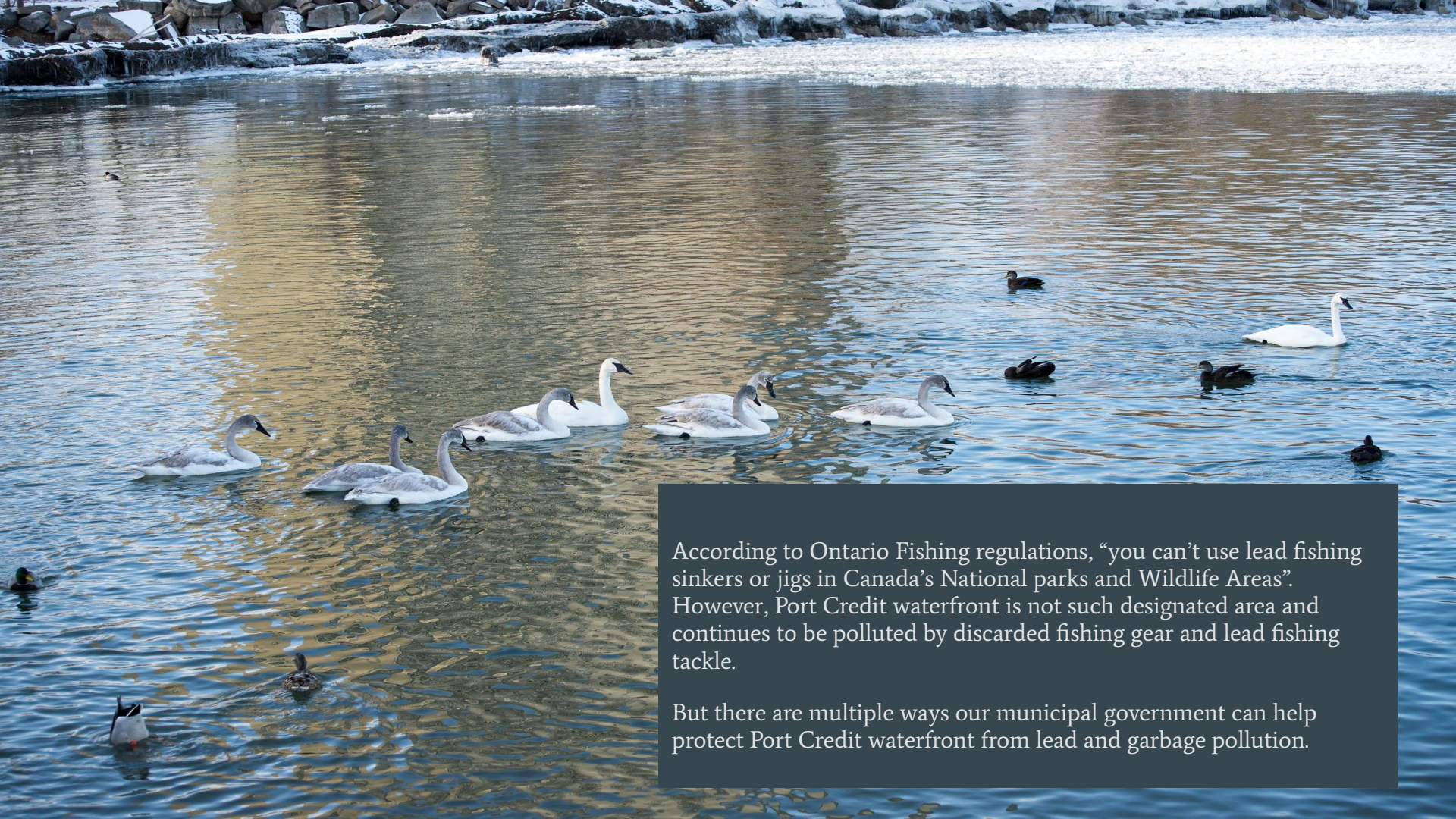
Lead sinkers cause a slow, agonizing death



Hooks cause lacerations, nerve damage, infections

PLEASE!

Use steel sinkers, not lead
Retrieve all broken lines, hooks and sinkers
Dispose of all tackle carefully



According to Ontario Fishing regulations, “you can’t use lead fishing sinkers or jigs in Canada’s National parks and Wildlife Areas”. However, Port Credit waterfront is not such designated area and continues to be polluted by discarded fishing gear and lead fishing tackle.

But there are multiple ways our municipal government can help protect Port Credit waterfront from lead and garbage pollution.

Solutions

Promote the use of non-lead fishing tackle with appropriate signage and public education campaign

Mandate the local sporting goods stores to carry non-lead fishing tackle

Implement designated fishing areas in Port Credit, instead of allowing uncontrolled fishing along the mouth of Credit River, at public boat launch area and Waterfront Trail

Install fishing line receptacles and signage in designated areas to promote proper disposal of used fishing line/gear/tackle

Install better “DO NOT FEED WATERFOWL” signage in the specific areas where general public tends to feed local waterfowl (PC Public Marina, JC Saddington Park boardwalk, Lakeshore bridge underpass)

Consistent By-Law enforcement; hire seasonal by-law enforcement officers



References

- Callan, I. (2020, October 24). Up to 2,000 litres of diesel leaks into Credit River threatening Mississauga's natural oasis. Retrieved March 25, 2021, from <https://www.thestar.com/news/canada/2020/10/24/up-to-2000-litres-of-diesel-leaks-into-credit-river-threatening-mississaugas-natural-oasis.html>
- Environment And Climate Change Canada. (2018). Study To Gather Use Pattern Information On Lead Sinkers And Jigs And Their Non-Lead Alternatives In Canada. Retrieved March 25, 2021, from http://publications.gc.ca/collections/collection_2018/eccc/En14-308-2018-eng.pdf
- Environment and Climate Change Canada. (2018, May 03). Government of Canada. Retrieved March 25, 2021, from <https://www.canada.ca/en/environment-climate-change/services/management-toxic-substances/list-canadian-environmental-protection-act/lead/using-more-lead-free-fishing-tackle.html>
- Government of Ontario. (2019, December 10). Rules On Using Fishing Tackle. Retrieved March 25, 2021, from <https://www.ontario.ca/page/rules-using-fishing-tackle#section-2>



Blooming Boulevards

| www.bloomingboulevards.org

Blooming Boulevards is a registered Mississauga Community Group, and as such, is considered an “Additional Stakeholder” in the CCAP.

We strongly support the following CCAP Action Plan Pathways:

- 2.0 Resilience and Green Infrastructure, Actions #8-1 and #8-3 (p. 29)
- 5.0 Engagements and Partnerships, Actions #19-2 and #19-3 (p. 52)

We support resilience and green infrastructure through our native plant propagation program, with emphasis on providing ecosystem services and attention to conservation genetics.

We support engagements and partnerships through our Education and Outreach programs, by working with Mississauga staff, local and provincial organizations, and community groups. Together, we promote awareness, understanding and “up close and personal” opportunities for engagement.

**we raise
awareness**

we teach skills

What we do

**we provide
help**

**we grow native
plants**

Wildflower Seed Saving Workshop

Harvest native wildflower seeds for your
pollinator garden!

- Have fun in this hands-on workshop and save money!
- Seed gathering supplies are provided but bring a notebook and a camera.



we create pollinator habitat



A photograph of a garden bed filled with numerous yellow Black-eyed Susans (Rudbeckia hirta) and lush green foliage. The plants are situated next to a concrete sidewalk. The text "We connect neighborhoods to nature" is overlaid in a large, bold, yellow font across the center of the image.

We connect neighborhoods
to nature



We create pollinator gardens.

Here's why:

Most of Ontario's 400 native bee species have a limited foraging range - sometimes less than 600 meters.

In urban areas, their natural meadow habitats are rapidly disappearing, leaving local populations trapped in isolation from one another.

Unless we help, these species will weaken and die.

5.2

Rusty Patched Bumble Bee
Bombus affinis

70% lost

Population decline since
1985

- Critically Endangered (IUCN)
- Endangered (U.S. Fish and Wildlife Service)
- Endangered (Canada Species At Risk Act)

BIODIVERSITY IN ONTARIO IS AT RISK

Due to development and other human activities, Southern Ontario alone has lost more than:



-70%
wetlands



-80%
forests

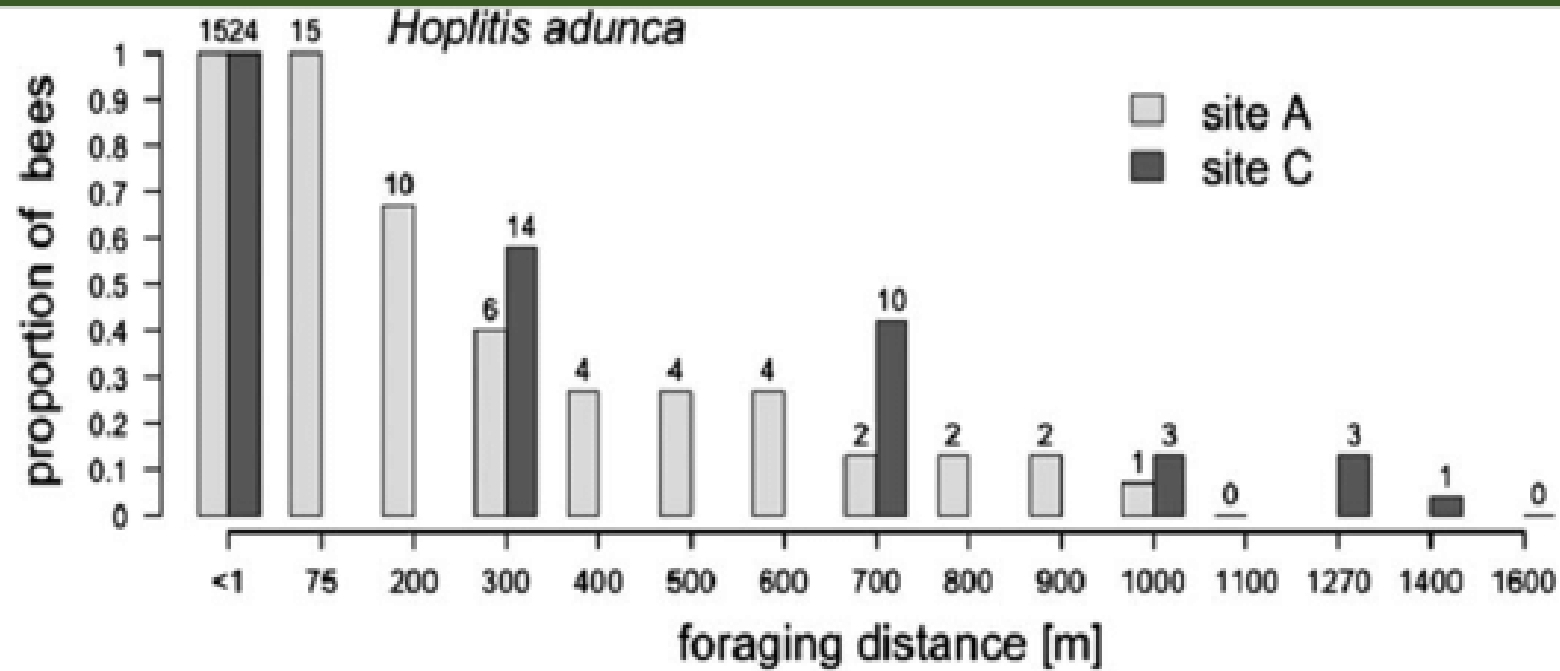


-98%
grasslands



200+

plants and animal species
are now classified as at-risk
of becoming locally extinct,
including nearly all of
Ontario's turtle species.



Short-range solitary bees: nesting & forage sites must be close together.

- Only half of the tested bees covered distances of more than 100–225 m and 300 m
- Nesting and foraging habitat proximity is needed for population persistence.

Beautiful but...



Where are the bees?

Native Pollinator Habitat

The bees are here.

Native Pollinator Habitat

Growing the Future

Native Pollinator Habitat

Growing the Future

1. Resilience & green infrastructure: environmental best practices
2. Engagements & partnerships: moving forward together
3. Expanding our services
4. Finding solutions



*Sustainability is no longer about doing less harm.
It's about doing more good.*

Jochen Zeitz

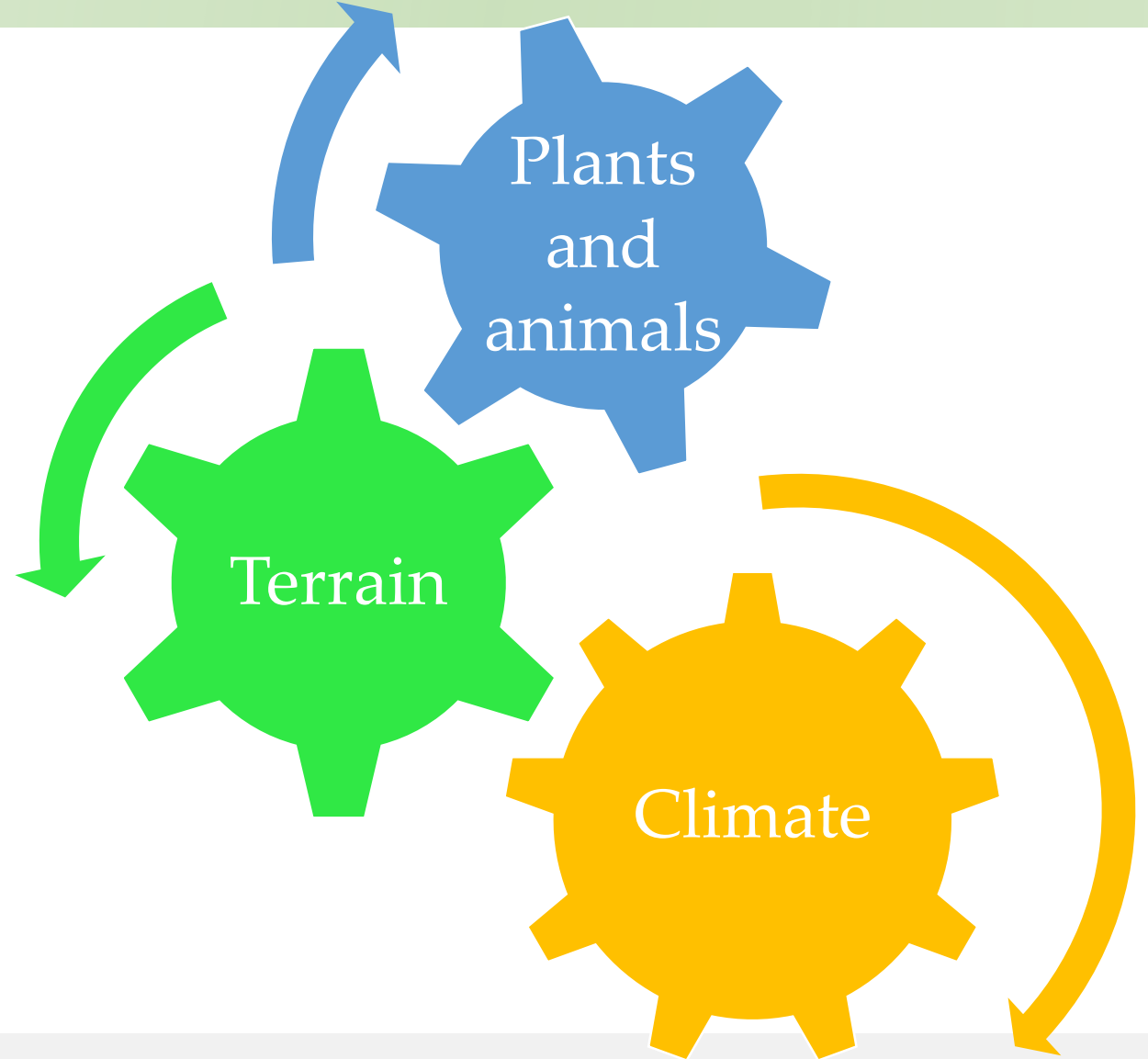
1. Resilience & Infrastructure

Delivering environmental best practices

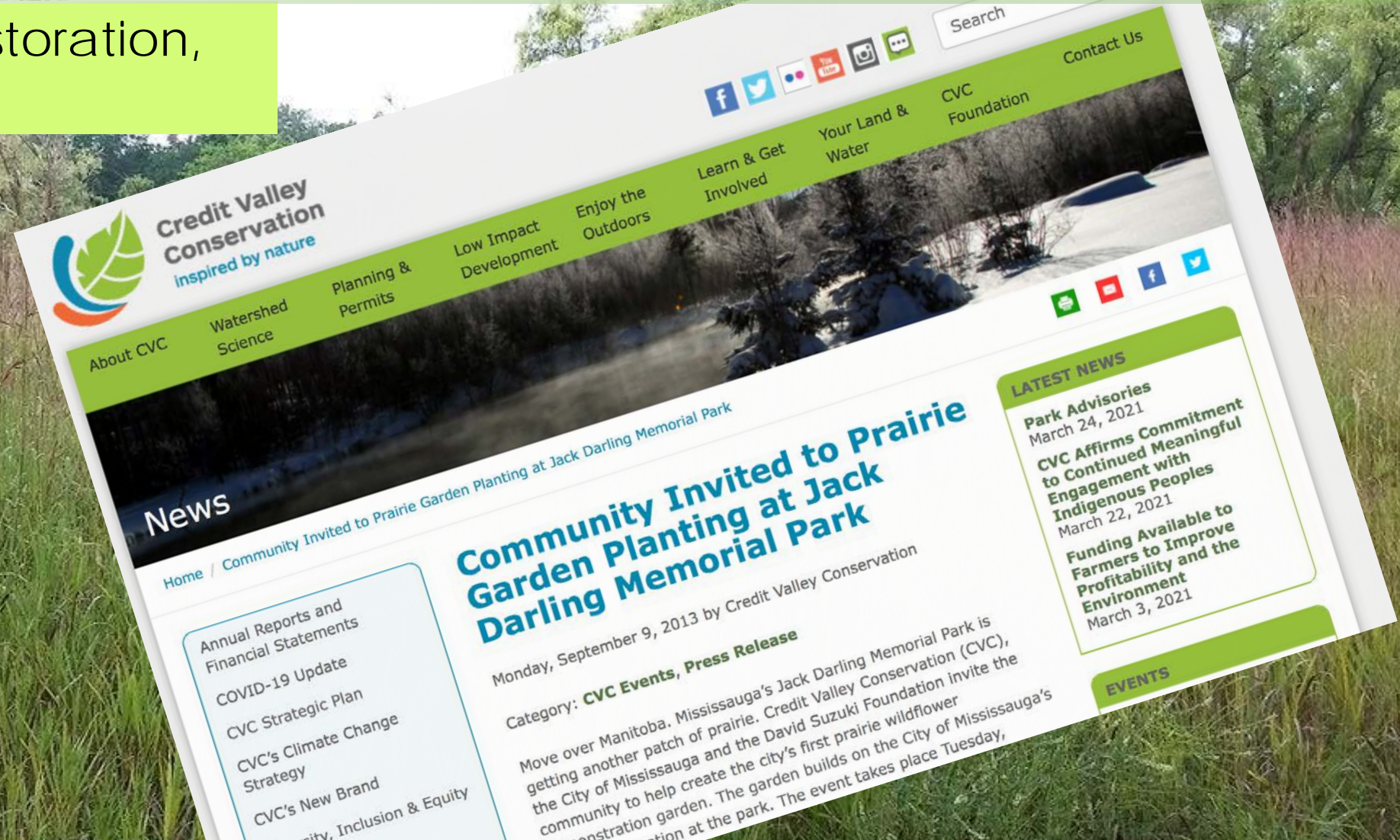
Needs.
Wants.
Solutions!

During thousands of years of evolution, native fauna and flora learned how to use our local climate and terrain.

Now it's our turn.



Tallgrass Prairie Restoration, Jack Darling Park



Tallgrass Prairie Restoration, Jack Darling Park



“This is a chance for avid gardeners and beginners alike to learn all about prairie wildflowers and how they can enhance our home gardens,” said Mike Puddister, CVC’s Director of Restoration and Stewardship.

Blooming Boulevards' best practices

Conserve biodiversity
Provide habitat linkage
Promote resilience

We collect seed
ethically...



...from indigenous
seed sources...



...and grow our
own plants...



...using species native to the south Credit River Watershed (ER 7E-4).

List of the Vascular Plants of Ontario's Carolinian Zone (Ecoregion 7E)

March 2017

Compiled by Michael J. Oldham
Natural Heritage Information Centre,
Science and Research Branch, Ontario
Ministry of Natural Resources and Forestry

Which should be planted in Mississauga?



Blue Vervain
Verbena hastata

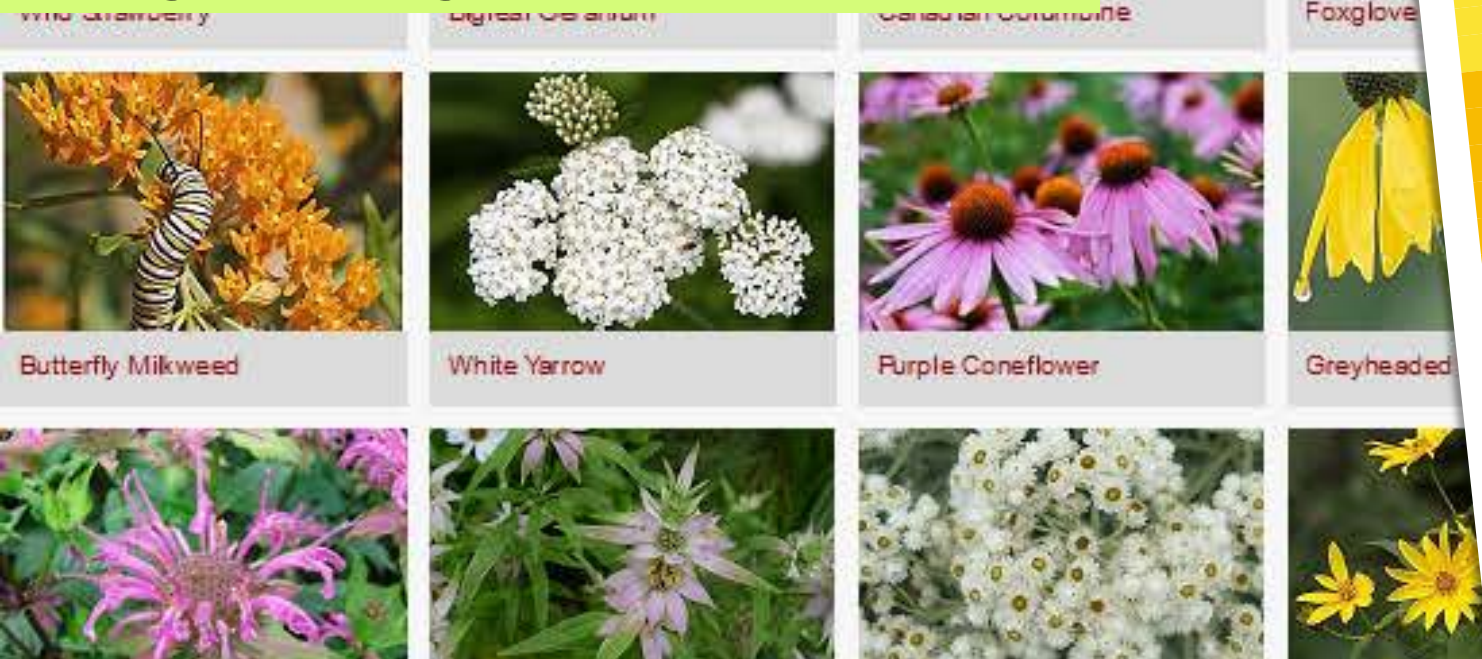


Hoary Vervain
Verbena stricta

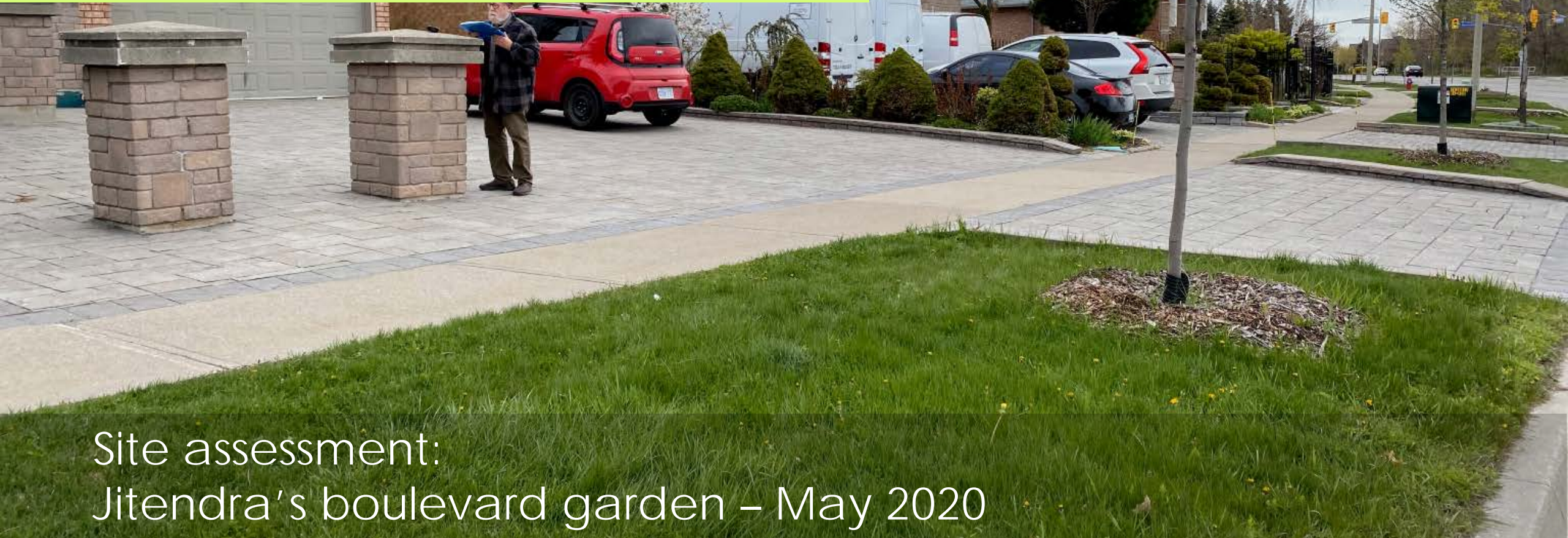
List of Vascular Plants of Ontario's Carolinian Zone (Oldham 2017)

CZ	CZ RESTR	SCIENTIFIC NAME	ES	CK	LB	MD	EL	OX	HN	BR	NG	HM	7E4	S-RANK	COSEWIC	SARO	ENGLISH NAME	FAMILY	CAROLINIAN ZONE NOTES
R	CZ	<i>Campsis radicans</i>	R	R		IR					IR	IR		S2?			Trumpet Creeper	BIGNONIACEAE	some CZ populations are likely escapes from cultivation
IR		<i>Catalpa bignonioides</i>					IR		IR		IR			SE1			Southern Catalpa	BIGNONIACEAE	
IR		<i>Catalpa ovata</i>				IR	IR					IR		SE1			Chinese Catalpa	BIGNONIACEAE	
IR		<i>Catalpa speciosa</i>	?	IR			IR	IX		IX	IR	IR	IR	SE1			Northern Catalpa	BIGNONIACEAE	
C		<i>Phryma leptostachya</i>	C	X	X	X	X		C	C	C	C	R	S4S5			Lopseed	VERBENACEAE	
R	CZ	<i>Phyla lanceolata</i>	R	R	R									S2?			Northern Fogfruit	VERBENACEAE	including Lippia lanceolata
IR		<i>Verbena bracteata</i>	IR	IR	IR	IR	IR	IX	IR	IR		IR	IX	SE3			Large-bracted Vervain	VERBENACEAE	
C		<i>Verbena hastata</i>	C	X	X	C	C	X	C	C	C	C	C	S5			Blue Vervain	VERBENACEAE	
IR		<i>Verbena incompta</i>										IR	IR	SE1			Common Claspig Vervain	VERBENACEAE	including reports of V. bonariensis
R	cz	<i>Verbena simplex</i>	R		H		R		H		H	R	IR	S4			Narrow-leaved Vervain	VERBENACEAE	
R		<i>Verbena stricta</i>	R	R	R	R	R	X	R	R	R	R	R	S4			Hoary Vervain	VERBENACEAE	
C		<i>Verbena urticifolia</i>	C	X	X	X	X	X	C	C	C	C	C	S5			White Vervain	VERBENACEAE	
hyb		<i>Verbena x deamii</i>			hyb									hyb			(Verbena bracteata X Verbena stricta)	VERBENACEAE	including V. x dodgei
hyb		<i>Verbena x engelmannii</i>	hyb		hyb	hyb	hyb		hyb					hyb			(Verbena hastata X Verbena urticifolia)	VERBENACEAE	
hyb		<i>Verbena x rydbergii</i>		hyb				hyb						hyb			(Verbena hastata X Verbena stricta)	VERBENACEAE	
hyb		<i>Proboscidea</i>																	

We choose species that provide abundant pollen and nectar across the growing season.



We facilitate boulevard garden hubs which create habitat links.



Site assessment:
Jitendra's boulevard garden – May 2020

GROWING THE FUTURE – Delivering environmental best practices

Family and neighbours
are engaged



Jitendra's family planting the garden – May 2020

By fall, even 1st year gardens produce flowers well-used by wildlife and seed that will disperse.



Jitendra's boulevard garden – Oct. 2020

The gardens connect larger green spaces, creating habitat linkages.

Jitendra's family have inspired 7 neighbours to sign up for a garden in 2021. They are spreading the word...

2. Engagements and Partnerships

Moving forward together

Community benefits:
Spruce Park 2019

Gets us active!

Lightens our hearts

Connects us “up close and personal”

Community benefits

Inspires us to learn more

Supports green initiatives

Makes us proud

Community benefits: Spruce Park 2020



Community benefits

Conserves water
Reduces runoff



Community benefits

Needs > Wants >
Solutions!

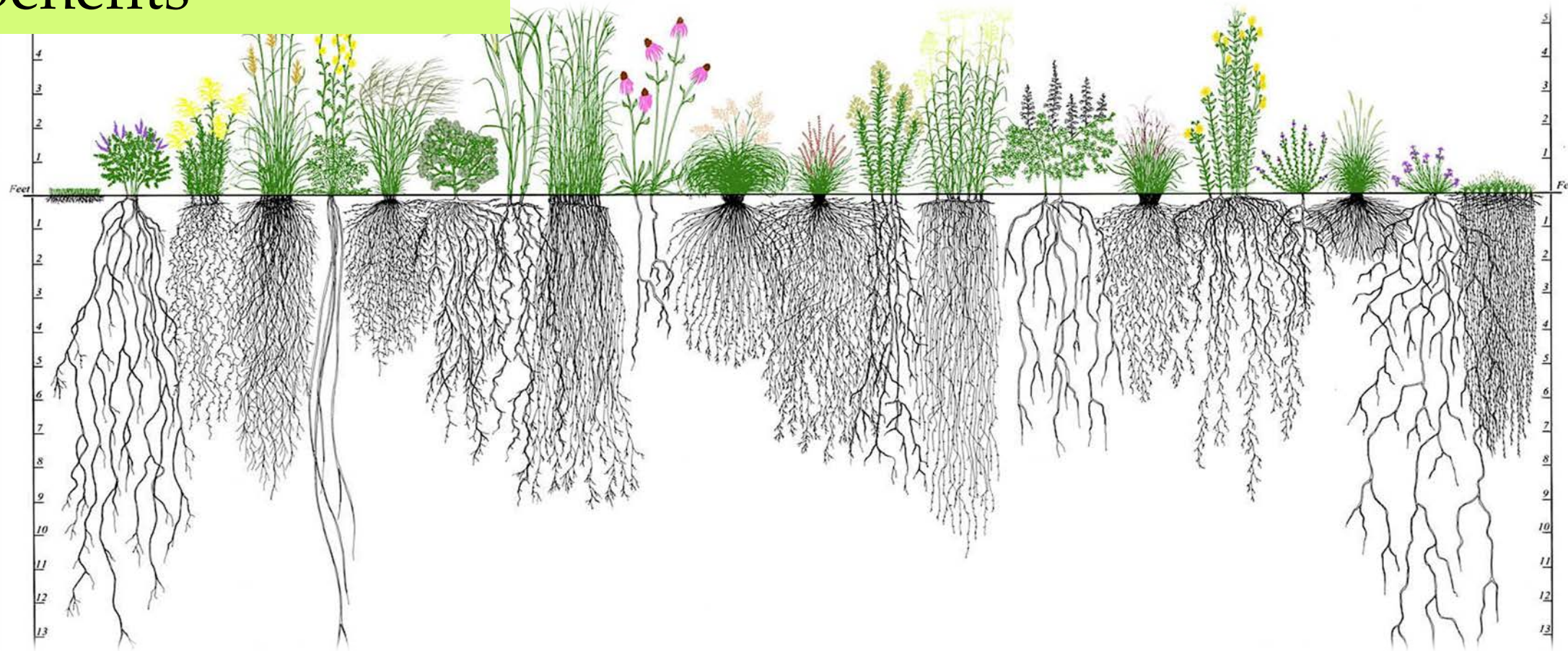
Reduces CO₂ emissions



Community benefits



Community benefits



Community benefits



3.

Expanding our services

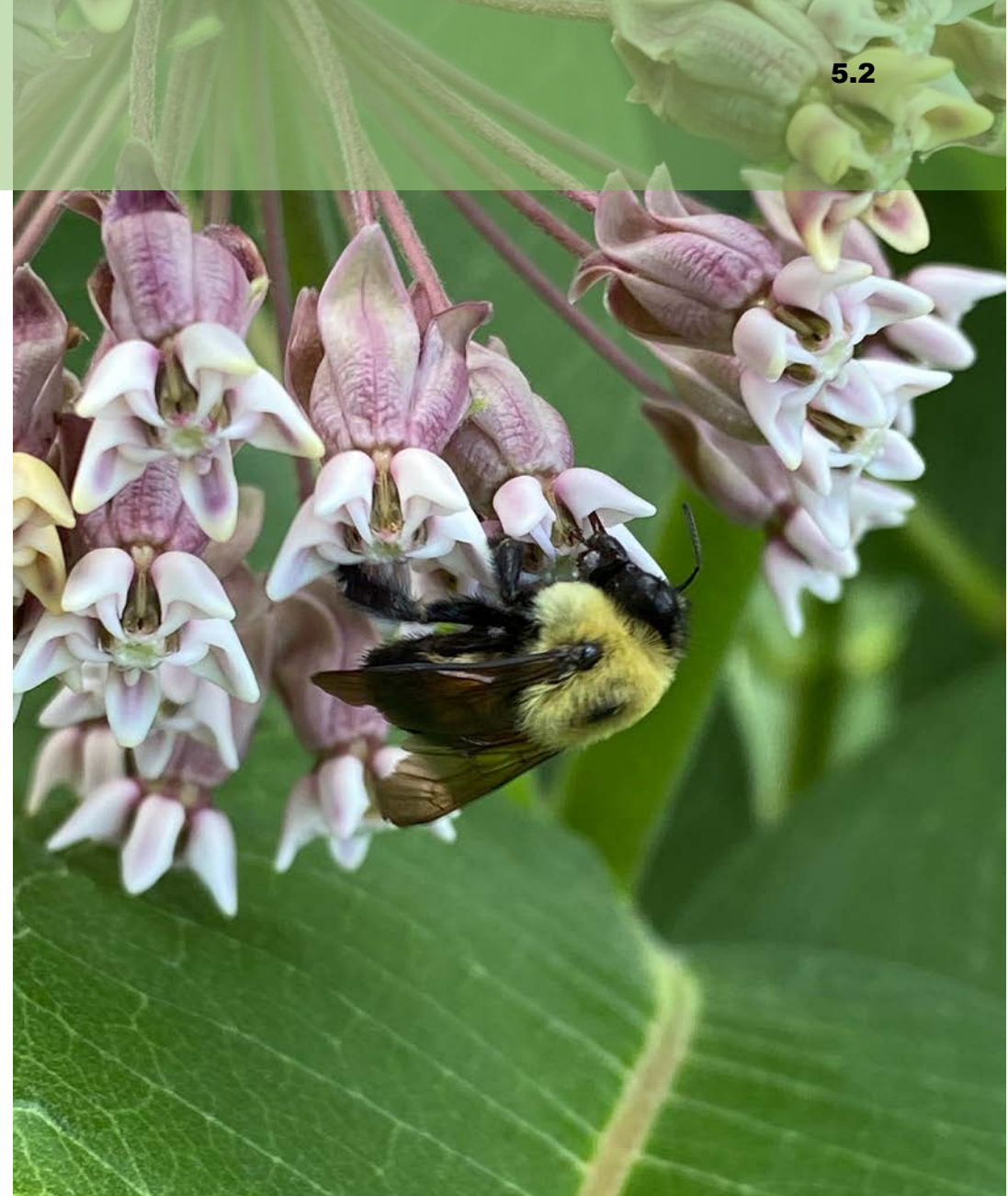
- ❖ Replacing grass on residential boulevards with native plants offsets habitat loss.



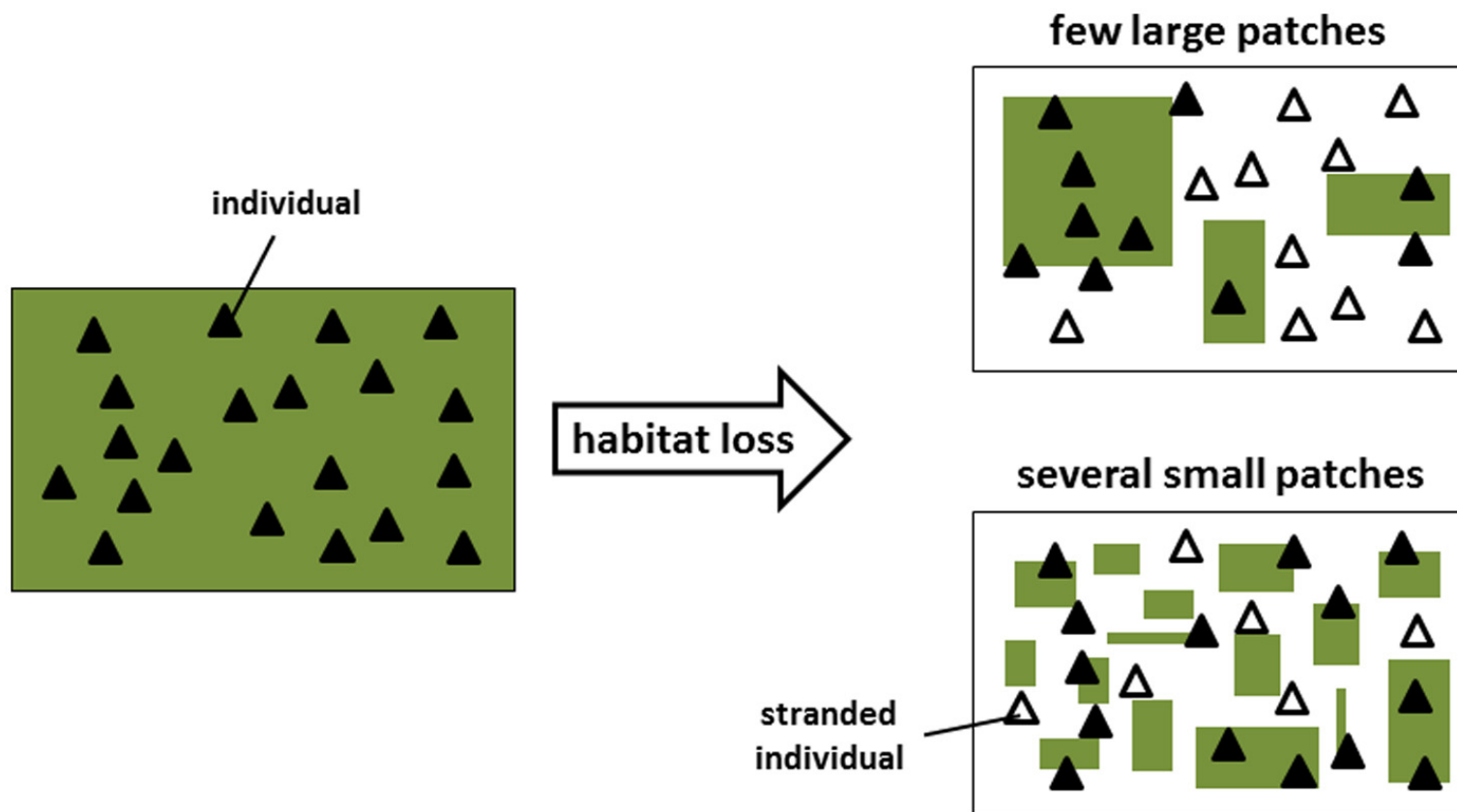
- ❖ Providing forage and nesting services, so insects and other wildlife may use these areas to breed, promotes wider population distribution.



- ❖ Our garden corridors present a variety of ecological services, increasing species diversity and resilience as populations adapt.



We are
working to
expand
structural and
functional
connectivity



GROWING THE FUTURE – Expanding our services

5.2

✓ Habitat links

Creating garden hubs

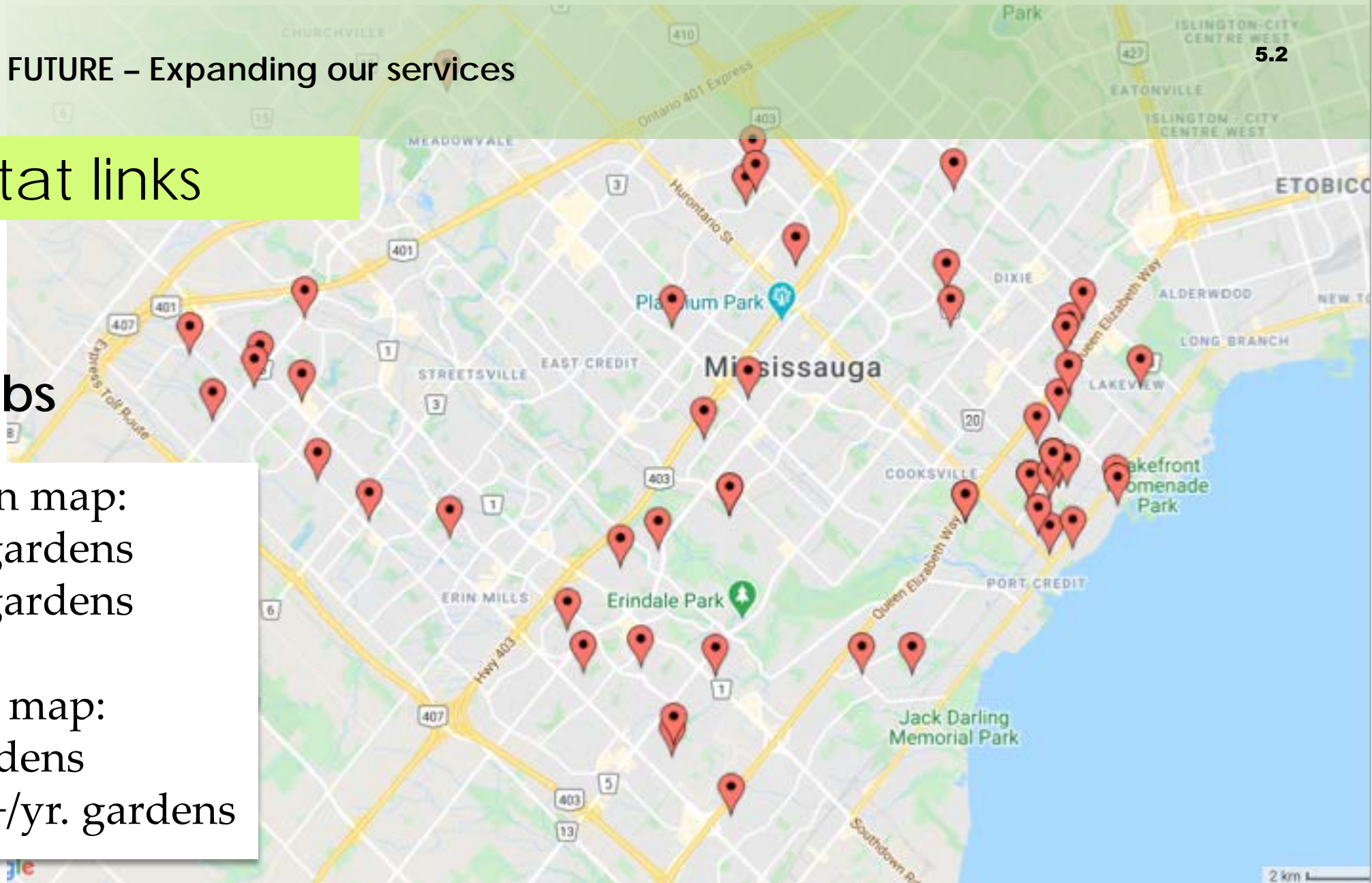
Years 1 & 2 on map:

- 2019 = 13 gardens
- 2020 = 39 gardens

Year 3 not on map:

2021 = 75 gardens

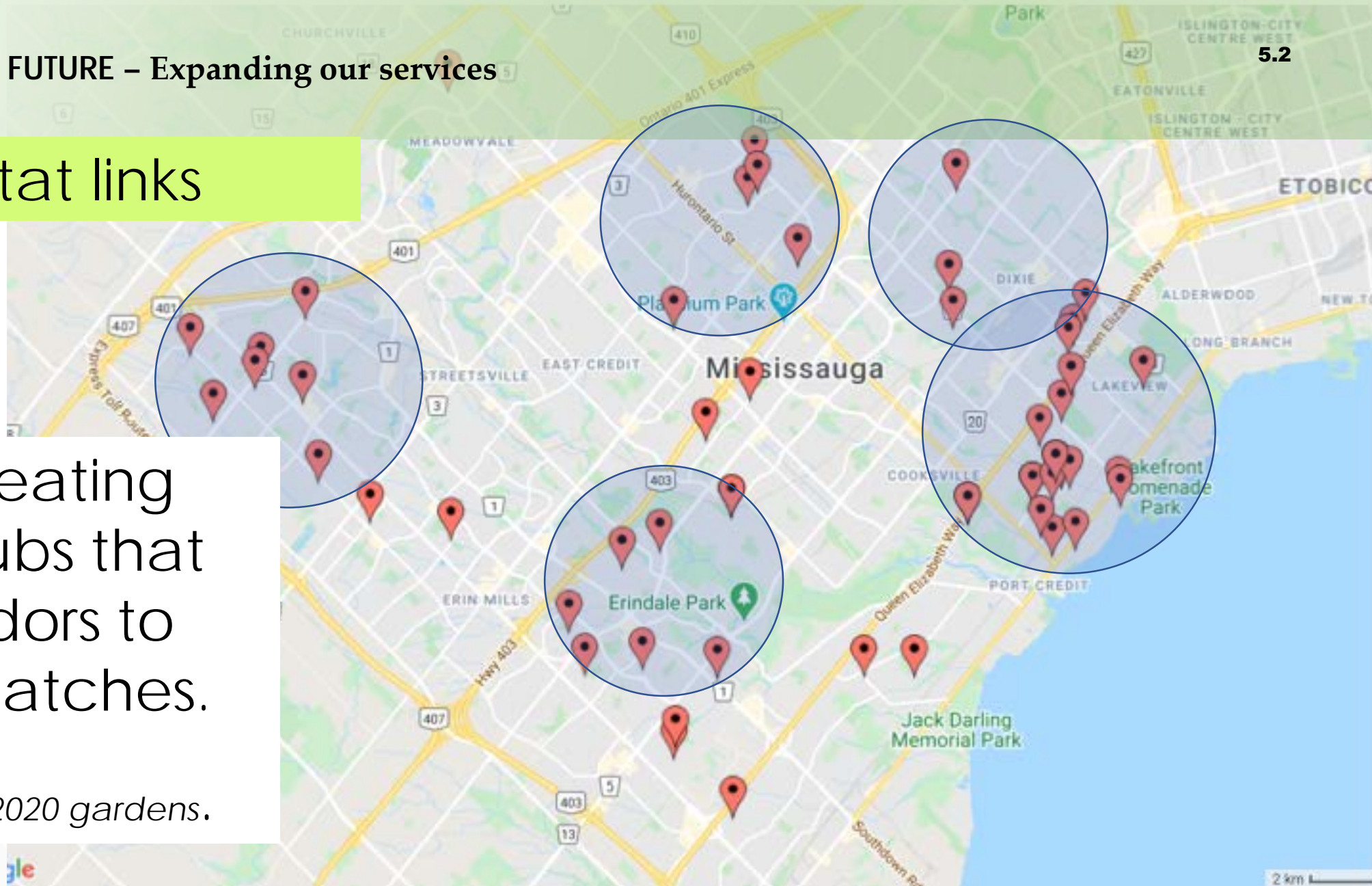
2022 ...= 150+/yr. gardens



✓ Habitat links

We are creating garden hubs that form corridors to link park patches.

Map shows 2019-2020 gardens.



Establishing functional corridors connecting community parks and parkettes promotes species gene flow.

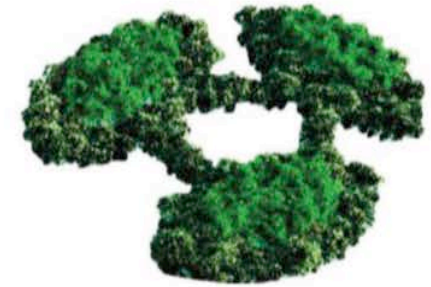
Core Habitat, Habitat Edge and Connectivity



Maximum habitat interior (core habitat) and minimum edge



Maximum habitat edge and no interior habitat



Connect core habitat 'nodes' to prevent habitat fragmentation

Images courtesy of Benjamin Penington, 1000 Friends of Florida

Maintain large circular nodes (core areas) of habitat to maximize interior habitat and minimize edge. Habitat edges occur at the border of incompatible land and are generally detrimental to priority wildlife species because edges are more accessible to predators and parasites that reduce the survival of their young. For this reason, wider wildlife travel corridors are better. Wildlife also need to be able to travel through uninterrupted, contiguous habitat.

4.

Finding solutions



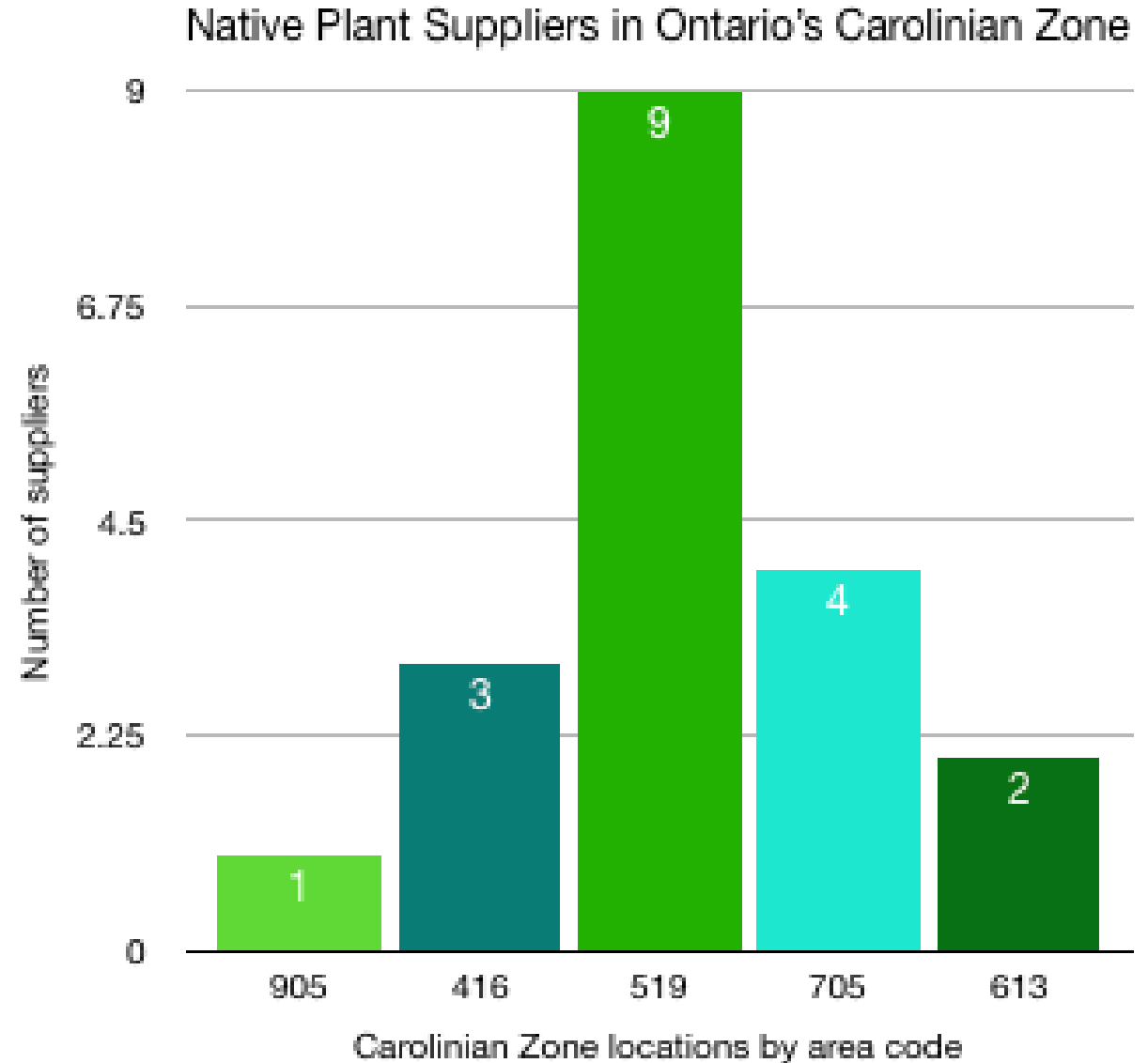
Sourcing Credit Watershed seeds

One of our mandates which supports the LGMP and the CCAP is the **preservation of Natural Heritage**. That's why we are very careful with our species selection and use seeds from local sources as much as possible.

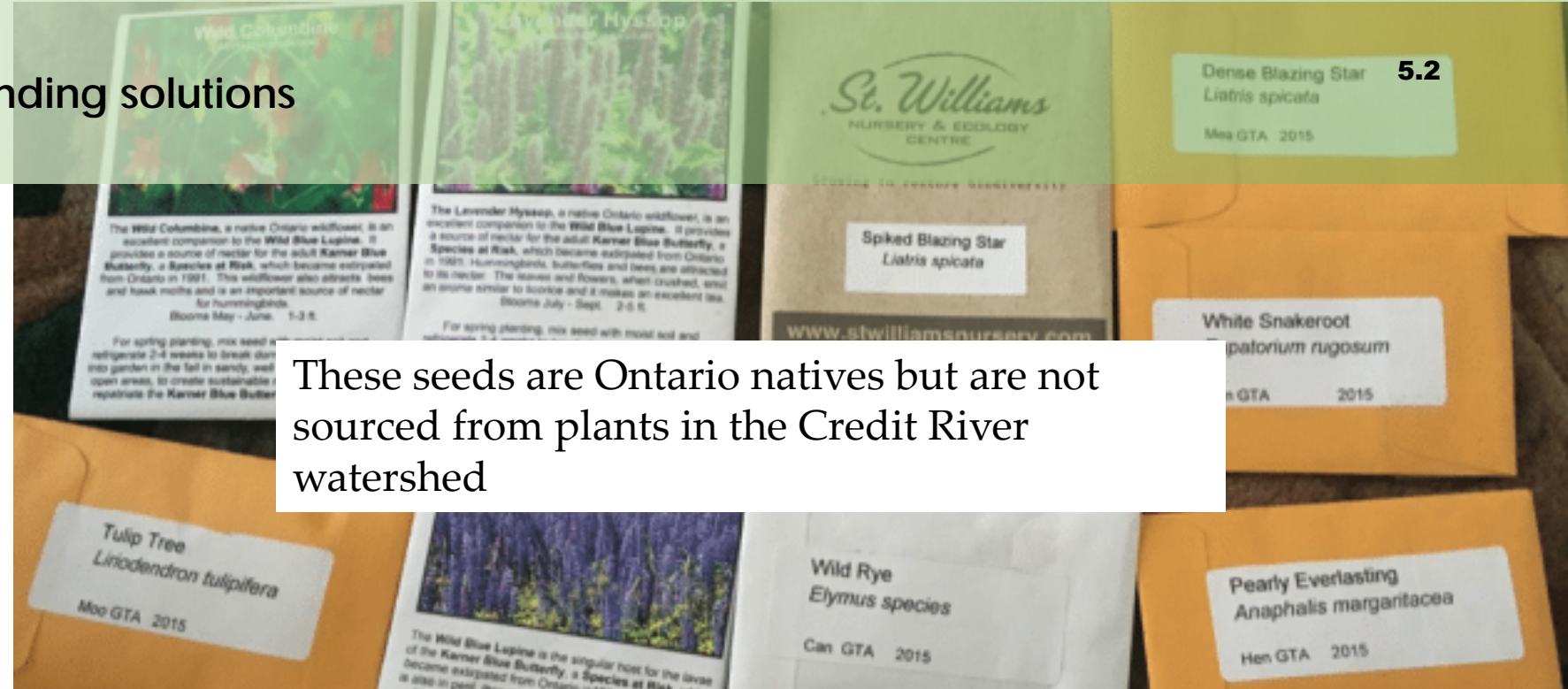
Seed sources

At present, the City sources its native plant material and seeds from suppliers in Vineland and Uxbridge - both different ecoregions than south Mississauga's 7E-4. Other seed source locations:

Puslinch, Mulmur, Omemee, Peterborough, Kilworthy, Mono & Orangeville, Owen Sound, Pefferlaw, Kitchener, **Claremont**, Frankford, Melancthon, Guelph, Cobden, St. Williams, Port Robinson, Tiverton, Mount Forest,



GROWING THE FUTURE – Finding solutions



Local seeds are not widely available to conservation groups, who must source plant and seed material further afield.

If we used seed from wild plants growing in our own local prairie remnant areas, we could better preserve our local ecosystem

– Society for Ecological Restoration, Ontario Chapter, 2010

Raising our own plants would help protect the inherent adaptive traits of our indigenous Credit River watershed species, potentially increasing resilience to climate change stress.

Scale is a factor

We are limited in what we can do:

- we need a reliable supply of indigenous plants - and that doesn't exist.
- So, we raise the plants ourselves.
- Our present production is relatively small
- We need a place to do this on a larger scale.





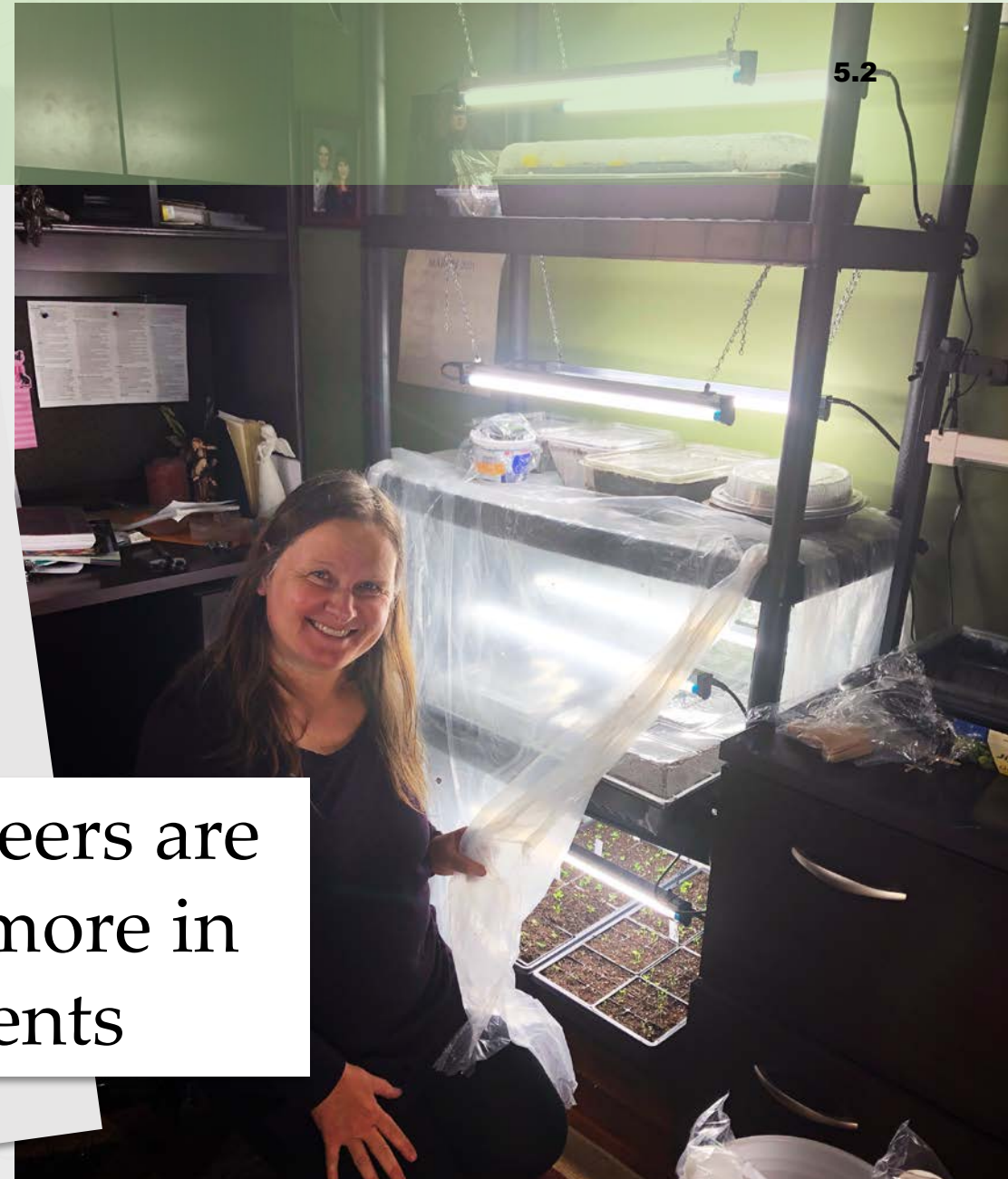
3,000 native seedlings
grow in my spare room.

GROWING THE FUTURE – Finding solutions

e option to keep up to 10% of the plants they grow.

* Required

8 trained volunteers are
growing 1,444 more in
their basements



5.2

At 7500 sq ft/yr, we will cover 1.75 acres (.7 hectares) in 10 years.

This is not enough.

In order to scale up our efforts, we need a facility, such as a **municipal greenhouse**, where many more native plants can be grown to use in City environmental initiatives.

A greenhouse = more, better-adapted native plants

- Leased space to community environmental groups.
- Used for instruction and raising awareness.
- Used to provide plants for restoration of Natural Heritage sites.



I would like the City to provide a greenhouse for use by community conservation groups to grow native plants.

It could also function as a community environmental education center.

Inspiration

Kayanase
Greenhouse,
based on the Six
Nations Reserve,
near Brantford,
Ont.





Maajiigin Gumig Greenhouse

Aamjiwnaang First Nation and Return the Landscape have a working relationship in developing a native plant nursery. Shell Canada funded the building of this greenhouse and provides continual support for this project.

We are working together to increase our inventory of native species. Currently we grow more than 150 species suitable for different soil types, moisture levels, and shade tolerances. View a plant list [here](#). We supply native plants to Degroots Nurseries and also sell directly from the Maajiigin Gumig greenhouse. We are scheduled to be open for sales on Thursdays, but feel free to stop by any time during the week; if we are there, we will help you pick out the plants that are right for your site.

Green belt Native Plant Center

Staten Island, NY



Greenbelt Native Plant Center

The Greenbelt Native Plant Center (GNPC), a facility of the New York City Department of Parks & Recreation, is a 13-acre greenhouse, nursery, and seed bank complex located on Staten Island, NY.

[GNPC Home](#)
[Mission](#)
[Products and Services](#)
[Programs](#)
[Greenhouse/Nursery Production](#)
[Founder Seed Production](#)
[Seed Collection & Banking Program](#)
[Projects In Partnership](#)
[History](#)
[Education, Volunteers, and Interns](#)
[Contact Us/Staff](#)

Greenhouse/Nursery Production

The Greenbelt Native Plant Center's chief mission is to propagate and grow native plants from appropriate local ecotypes for New York City habitat restoration. We collect seed from local plant populations, then germinate and grow plants to the size needed for such restorations.

Greenhouse Program

Plant propagation requires an understanding of how dormant seeds germinate in the soil of their natural environment. Our native seeds have evolved to withstand the harsh winter conditions of the Northeast, so prior to propagation in the artificial conditions of the greenhouse, these and other environmental triggers must first be replicated to break seed dormancy. This involves using physical and biological processes specific to each species. For example, some plants set seed in late summer and eventually make their way into the soil where they are exposed to months of cold, wet conditions before they germinate. Other seeds are eaten by birds and are exposed to stomach acids before they are deposited into the soil.



Many of these preconditions have been documented, but many other species are unpredictable, even with the use of published propagation techniques. **As we develop our own protocols for the germination of the species native to New York City and the region, we will post our protocols on these pages.**

At the GNPC, we:

- Propagate over 336 species of native plants collected from local wild populations.
- Propagate 200,000–400,000 individual plants annually.
- Maintain six greenhouses with 17,000 square feet of bench top production space.
- Maintain a 1,105 square foot propagation range with heated bench top and automated misting system.

Great Lakes Greenhouse Gives Native Plants a Second Chance

Posted by Janel Crooks, Hiawatha
National Forest, U.S. Forest Service
in [Forestry](#)
Feb 21, 2017

Volunteers help harvest native
seedlings at the Hiawatha
National Forest greenhouse in
Marquette, Mich. U.S. Forest
Service photo.



“Coordinating all the actors and tasks necessary to respond to fragmented, heterogeneous and dynamic ecosystems in cities involves significant cooperation. Partnership is a cornerstone of urban ecosystem integrity.” J.F. Cerra / *Landscape and Urban Planning* 157 (2017) 586–597

J.F. Cerra / *Landscape and Urban Planning* 157 (2017) 586–597

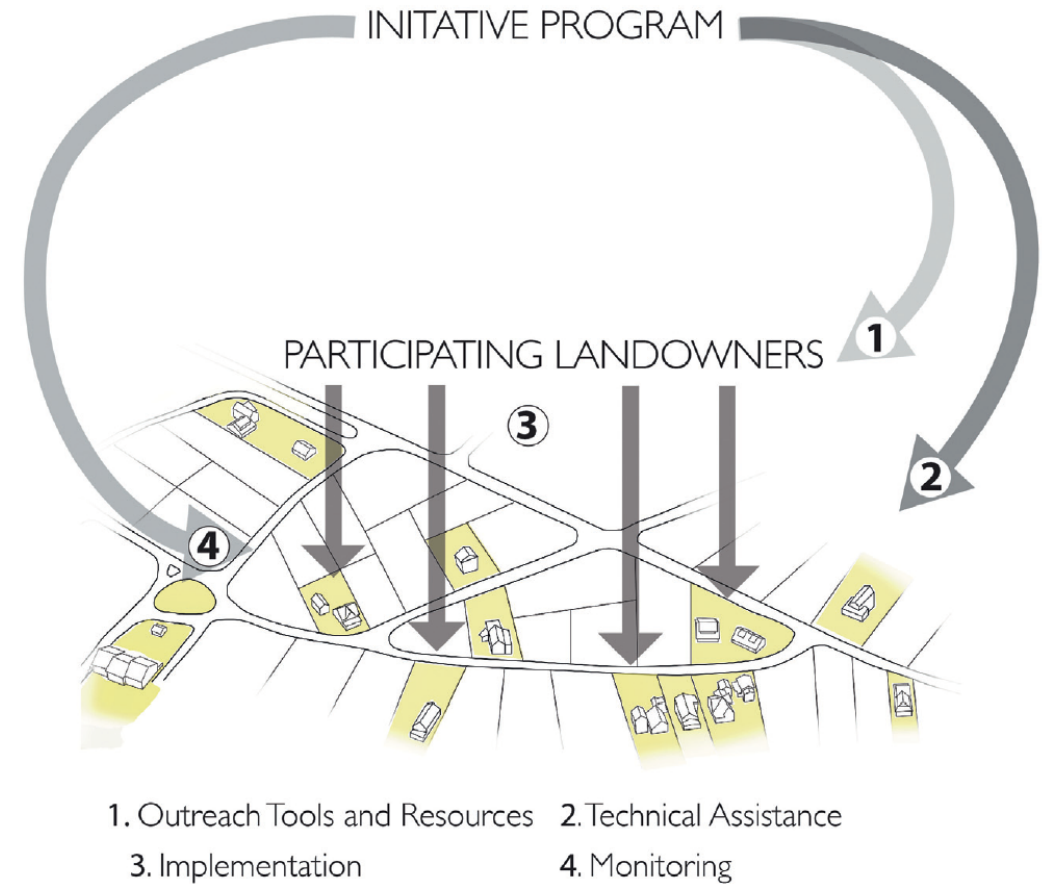


Fig. 3. Community-based initiative strategy diagram.

Thank you!



Blooming Boulevards
Connecting Neighbourhoods to Nature

• www.bloomingboulevards.org

Connecting neighbourhoods
to nature...



Blooming Boulevards

www.bloomingboulevards.org



Native Pollinator
Gardens



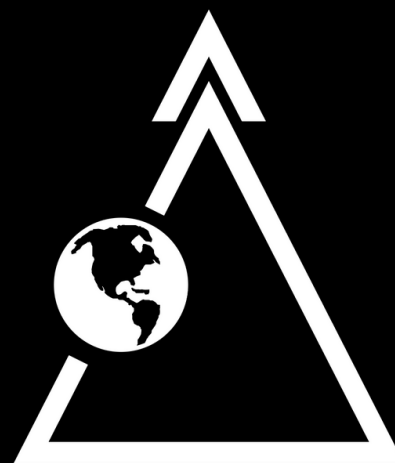
Education



Community Outreach



Environmental
Advocacy



COMMUNITY
CLIMATE
COUNCIL

Introduction to Mississauga EAC
Presented by: Baani & LJ



Outline

Who we are

What we do

Our impact so far

What we're planning to do

How to support our work

We're The Community Climate Council.

A youth-founded, non-partisan organization advocating for climate action and community resilience through enhancing climate literacy and municipal relations in Peel Region, Ontario.



CLIMATE LITERACY

We're working to educate, inform, and empower our community to understand not only the reality of the climate crisis but of the immediate actions our elected leaders and communities need to take.



COMMUNITY ENGAGEMENT

Community engagement is a powerful vehicle for creating change at a local level. Through our work, we provide freely available educational events, resources, and engagement opportunities for community members.



POLITICAL ADVOCACY

Our council works to create a platform for youth and other community members to come together to mobilize and call for systemic changes through political advocacy.

Our 3 Pillars





What we do

OUR HISTORY

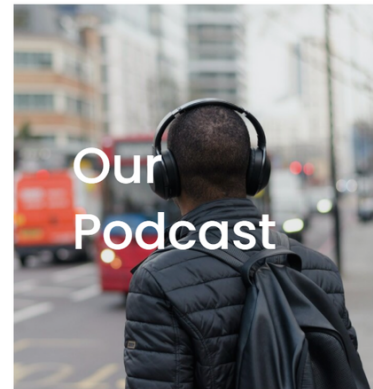
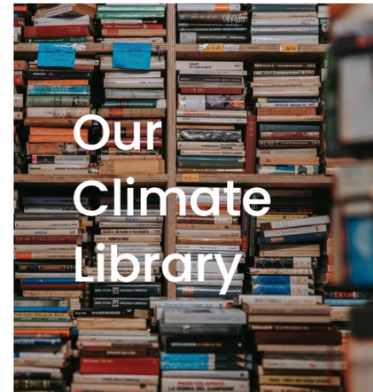
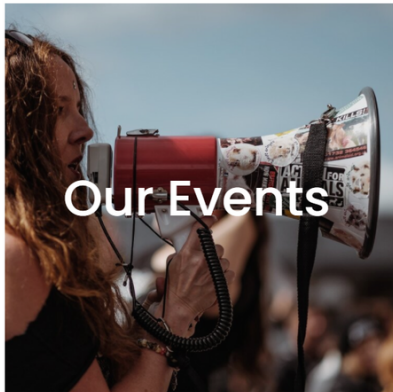
We were founded in the fall of 2019 out of Youth Challenge International's Innovate My Future program.

We were founded on the desire to create a platform for our community members to call for **bold local climate action and policy change** while also working to develop our own **community-led solutions**.

It is because of that that our entire approach is **community-centred** and **solutions-oriented**.

Our organization is entirely volunteer-run, funded through community donations, and inclusive of all ages.

Our Projects



Upcoming Events

April 20, 2021 - 5PM

Nature in your Neighborhood

The CCC will be hosting a virtual fieldtrip to learn more about the amazing species that call urban Mississauga home. This webinar takes you on a virtual field trip of natural ecosystems found close to the city. Learn about plant and animal ID, threats to biodiversity, and what you can do to help nature in your own backyard or even on a balcony!



Upcoming Events

April 22, 2021 - 5 PM

Living Stories: Diverse voices in Climate storytelling

People Planet Pages Book Club will be hosting a panel with CoM of young Canadian Black, Indigenous and People of Color (BIPOC) storytellers while they share their climate experiences through their own stories that are being compiled into a book by the Book Club. The panel will also explore how these stories were brought to life and the profound impact narrating lived experiences on climate change creates on building resilient communities.





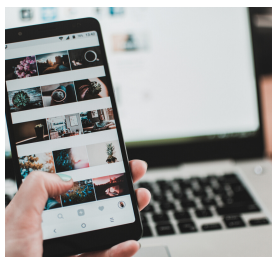
EVENT COLLABORATIONS

We're always open to partnering and collaborating on events that promote local climate action.



PROJECT DEVELOPMENT

We will be working to develop projects throughout this year and are always looking for project supporters and co-designers.



SHARE OUR WORK WITH YOUR NETWORKS

Our organization has now been operational for a year, and we have grown thanks to the support of other organizations sharing our work.



**How to
support
our work**

Thanks for listening to our talk!

Follow us on social media:

Instagram: @PeelClimateCouncil

Twitter: @PeelClimate

Facebook: Community Climate Council

Website: communityclimatecouncil.org



City of Mississauga Urban Agriculture Strategy

Environmental Action Committee Deputation

Jane Hayes, Hoffmann Hayes

Lisa Urbani, City of Mississauga

April 6, 2021



healthy food programming,
gardens + community development

Deputation Overview

- Project Context, Purpose and Objectives
- Process – Highlights and Anticipated Timing
- Forms of Urban Agriculture
- Highlights of Community Engagement to Date
- Emerging Priorities
- Plan for Ongoing Engagement and Next Steps
- Questions for Today

Project Context and Purpose



Climate Change Action Plan (CCAP)

- Adopted in December 2019
- **Action 9-4:** Develop an urban agriculture and food security strategy

Living Green Master Plan

- **Action 30:** Support the development of community gardens and ensure that every neighbourhood has access to at least one community garden

Mississauga's Community Gardens

- The City has a grant program for community gardens; The City supports nine community gardens on parkland in eight wards

Project Purpose

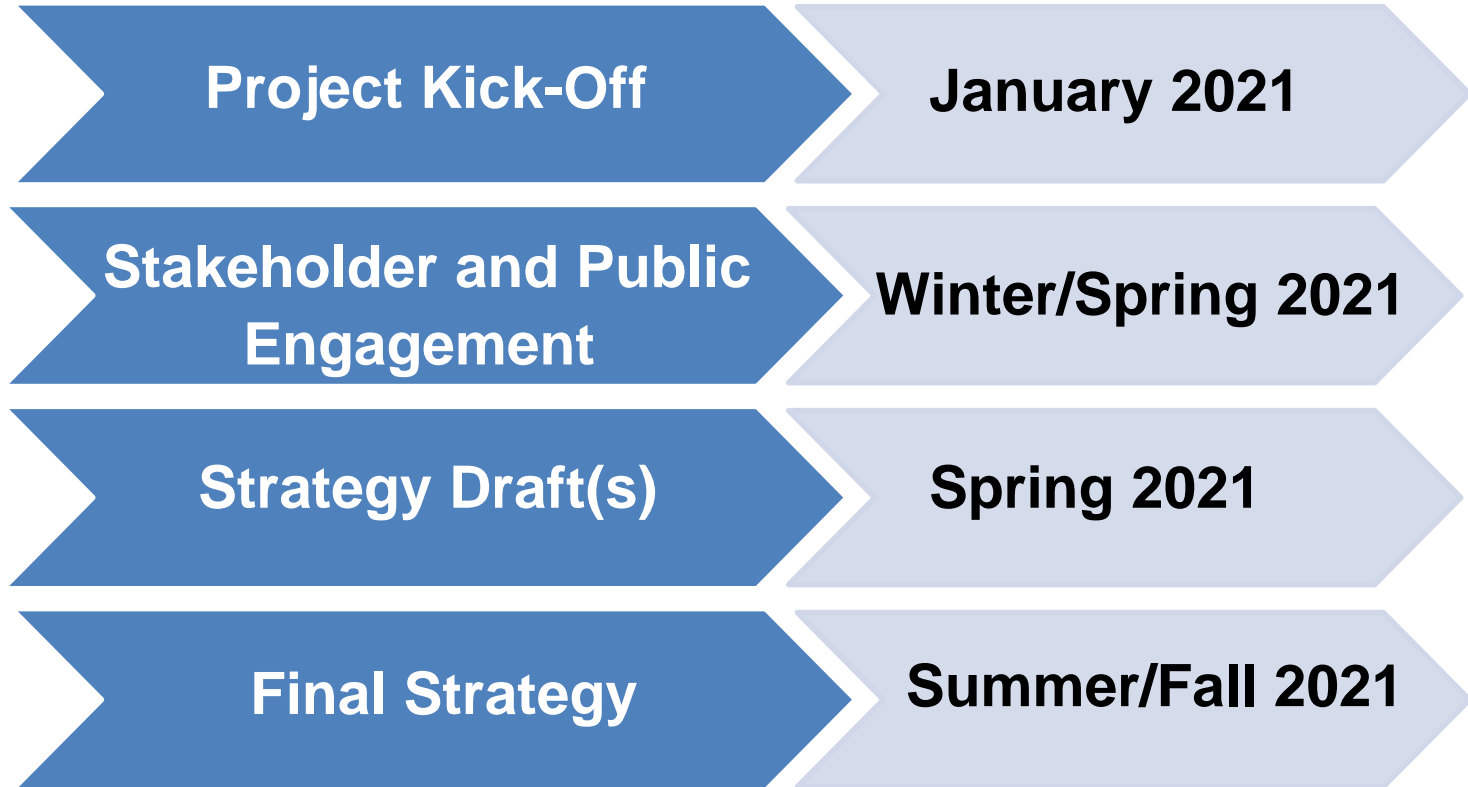
- To create an Urban Agriculture Strategy that will identify the City's role in supporting Corporate and community efforts to increase urban-scale food production across Mississauga

Project Objectives

The Urban Agriculture Strategy will:

- Provide an **understanding of the current state and key stakeholders** of urban agriculture activities, interests and strategies in Mississauga, Corporately and in the community
- **Examine best practices** in urban-scale food production within the Region of Peel, surrounding communities, and other municipalities
- Provide **a clear definition and establish a vision and goals** for Mississauga regarding urban agriculture
- **Determine the appropriate scale of urban agriculture and the land use requirements** necessary to support (e.g. public land versus private land)
- **Determine the role for the City and strategic partner agencies** on how it can support Corporate and community urban agriculture initiatives
- **Identify the opportunities, barriers and gaps** that may exist in providing for urban agriculture in the city and develop action plans
- Ensure **alignment with and support of the six pillars in the Region of Peel's Food Charter**

Process – Highlights and Anticipated Timing



Defining Urban Agriculture

- Urban agriculture is the practice of growing, processing, sharing, and distributing food within the city.
- Examples of urban agriculture practices include community gardens, urban farms, hydroponics and farmers markets.



Forms of Urban Agriculture

- Community Gardens
- Institutional urban agriculture
- Neighbourhood food hub
- Micro-farming in and around residences
- Farmers markets
- Small-scale (semi-) commercial horticulture, livestock and aquatic farming
- Large-scale agricultural enterprises
- Specialized urban agriculture and forestry production
- Commercial foodscapes
- Fruit trees, food forests and fruit tree gleaning programs



Highlights of Community Engagement

We've met with...

- EAC members
- Community groups and gardeners
- Farmers
- Youth groups
- Urban Indigenous growers
- Farmers Market organizers
- Food banks
- Networks
- City staff



Highlights of Community Engagement

- Definition
- Vision
- Barriers and gaps
- City role and supports
- Community strengths, relationships and networks



Emerging Priorities

- Enable policy, guidelines and funding opportunities
- Support Urban Agriculture activities and programs
- Foster collaboration
- Create an Urban Agriculture inventory and network



Plan for Ongoing Engagement and Next Steps

Website Launch www.mississauga.ca/homegrown	March/April 2021
Survey Launch	April 2021
Feedback on Draft Strategy	May 2021
Present to City Council	Summer/Fall 2021

Questions for Today

1. What kind of policies and programs could encourage urban agriculture to flourish in Mississauga?
2. How can food system linkages between Mississauga and the surrounding region be strengthened?
3. How can urban agriculture contribute to a healthy environment in Mississauga?

Thank you!
Questions?



Outline

- Earth Days 2021
- Events
- Partners
- COVID 19 considerations

Earth Days 2021

- Coordinated by Environment Section with promotional support from Communications Division
- Two weeks of events
- Green your city. Register now.

Earth Day- Municipalities Mobilizing



Earth Days 2021 Events

- Local climate action
- Actions for residents to take:
 - Local food
 - Naturalization
 - Litter mitigation
 - Greening your laundry



Riverwood Virtual Walk

April 12 • 5 – 6:00 p.m.



Take and Make- Featuring Jack and the Beanstalk

April 12 • 2 – 2:30 p.m.



The Library

Family Storytime

April 12 • April 14 • 11 – 11:30 a.m.



History of Laundry

April 14 • 5 – 6:00 p.m.



Sketch Night

April 16 • 6 – 7:00 p.m.



Food in a Changing Climate

April 19 • 5 – 6:00 p.m.



Nature in Your Neighbourhood

April 20 • 5 – 6:00 p.m.



COMMUNITY
CLIMATE COUNCIL

Our Climate, Our Stories: Storytelling by Canadian Youth

April 22 • 5 – 6:30 p.m.



COMMUNITY
CLIMATE COUNCIL



Gardening in a Changing Climate

April 22 • 6 – 7:30 p.m.



Earth Days Trivia

April 23 • 5 – 6:00 p.m.

True or False: Earth Days is the largest global environmental movement.



True

False

COVID 19 Planning

- Contingency planning
- Safety guidelines



20-Minute Makeover

April 12-24

Subject to COVID 19 health and safety recommendations



Toronto and Region
Conservation
Authority

One Million Trees



onemilliontrees
mississauga

Find out more



Visit: mississauga.ca/earthdays

Follow:  @MiLivingGreen

 @SaugaGreen

Share: #SaugaEarthDays

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 of 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	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>
			Dec. 4/2019	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. GC-0650-2019</i>
			Sept. 15/2020	City staff presented to EAC on the Climate Change Online Public Education and Engagement Tools.
			Nov. 3/2020	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. EAC-0022-2020</i>
			Dec. 8/2020	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. EAC-0032-2020</i>

2019-2022 Environmental Action Committee Work Plan

Climate Change	Support approval and implementation of the Climate Change Action Plan.	Ongoing	Dec. 8/2020	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; 2. That the Environmental Action Committee are in support in principal of Association for Canadian Educational Resources Project Crossroads Initiative. EAC-0033-2020 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.
			Feb. 2/2021	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; 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. EAC-0002-2021
			Feb. 24/2021	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.
			Mar. 3/2021	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 Resolution 0042-2021 .
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).

2019-2022 Environmental Action Committee Work Plan

VOLUNTEERING	Participate in volunteering opportunities as members of the Community Green Leaders volunteer program.	Ongoing	Mar. 3/2020	<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. EAC-0009-2020</p> <p>Due to the COVID-19 Pandemic – the April and August dates for the Adopt-A-Park Clean Ups have been postponed.</p>
			Aug. 14/2020	<p>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.</p>
			Oct. 6/2020	<p>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. McMillian Park.</p>
			Oct. 17/2020	<p>EAC Members participated in Litter Clean Up at R.K. McMillian 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.</p>
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	<p>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.</p>
			Sept. 9/2019	<p>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.</p>
			Nov. 12/2019	<p>The Stormwater Master Plan was presented at EAC, where the Members provided comments and feedback.</p>
			July 7/2020	<p>An email was sent to EAC Members requesting feedback on the Stormwater Master Plan.</p>
			Sept. 15/2020	<p>City staff presented to EAC an Update on District Energy in the City of Mississauga.</p>
			Oct. 6/2020	<p>A deputation regarding the Pedestrian Master Plan was presented at EAC, where the Members provided comments and feedback.</p>

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 GC-0317-2020
			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 Resolution 0033-2021 .
			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

			Mar. 2/2021	A deputation regarding the Dog Waste In-Ground Containers Results were presented at EAC.
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	Mar. 3/2020	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>
			July 22/2020	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.
			Dec. 8/2020	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.
Additional/Other			Nov. 12/2019	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>
			Oct. 6/2020	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.
			Oct. 6/2020	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.
Next Steps	Upcoming suggested environmental actions and initiatives to be implemented.	Ongoing	Dec. 8/2020	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.
			Feb. 4/2020	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>