



Agenda  
Environment Advisory Committee  
The Corporation of the City of Brampton

**Date:** Tuesday, February 9, 2021  
**Time:** 6:00 p.m.  
**Location:** Council Chambers - 4th Floor, City Hall - Webex Electronic Meeting  
**Members:** Preethi Anbalagan (Co-Chair)  
Akeem Gardner (Co-Chair)  
Harripaul Bridgemohan  
Rajbalinder Ghatoura  
Jafir Jaferi  
David Laing  
Sanjay Mathur  
Tamsen Metcalfe  
Davika Misir  
Amandeep Purewal  
Sherry-Ann Ram  
Vipul Shah  
Stacey Wilson  
City Councillor D. Whillans - Wards 2 and 6

NOTICE: In consideration of the current COVID-19 public health orders prohibiting large public gatherings and requiring physical distancing, in-person attendance at Council and Committee meetings will be limited to Members of Council and essential City staff.

As of September 16, 2020, limited public attendance at meetings will be permitted by preregistration only (subject to occupancy limits). It is strongly recommended that all persons continue to observe meetings online or participate remotely. To register to attend a meeting in-person, please contact the City Clerk's Office at [cityclerksoffice@brampton.ca](mailto:cityclerksoffice@brampton.ca) or 905-874-2101.

For inquiries about this agenda, or to make arrangements for accessibility accommodations for persons attending (some advance notice may be required), please contact:  
Sonya Pacheco, Legislative Coordinator, Telephone 905.874.2178, TTY 905.874.2130 or [cityclerksoffice@brampton.ca](mailto:cityclerksoffice@brampton.ca).

Note: Meeting information is also available in alternate formats upon request.

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1. Call to Order

2. Approval of Agenda

3. Declarations of Interest under the Municipal Conflict of Interest Act

4. Previous Minutes

4.1. Minutes - Environment Advisory Committee - December 8, 2020

Note: The minutes were considered by Committee of Council on January 20, 2021 and approved by Council on January 27, 2021. The minutes are provided for Committee's information.

5. Presentations\Delegations

5.1. Delegation from Jack Gibbons, Chair, Ontario Clean Air Alliance, re: Municipal Resolution - Phasing Out Ontario's Gas-Fired Power Plants

5.2. Presentation by Karley Cianchino, Environmental Planning Student, Public Works and Engineering, re: Pursuing Bee City Canada Designation for the City of Brampton

*Recommendation*

6. Reports/Updates

6.1. Verbal Update from David Laing, Grow Green Network Working Group Chair, re: Status of the Grow Green Network

6.2. Verbal Update from Stacey Wilson, Committee Member, re: Progress on the Grow Green Network Website Update

6.3. Verbal Update from Zoe Milligan, Environmental Project Specialist, Public Works and Engineering, re: Designating September as Brampton Tree Month

6.4. Verbal Update from Michael Hoy, Supervisor, Environmental Planning, Public Works and Engineering, re: Centre for Community Energy Transformation (CCET)

**7. Sub-Committees**

**8. Other New/Business**

- 8.1. Discussion Item at the request of Rajbalinder Ghatoura and Amandeep Purewal, Committee Members, re: Establishment of a Waste Literacy Campaign
- 8.2. Discussion Item at the request of David Laing, Committee Member, re: Recognition of Earth Day - April 22, 2021
- 8.3. Discussion Item at the request of David Laing, Committee Member, re: EAC Participation in the "Smelling Pink" Spring Festival - May 7-9, 2021

**9. Correspondence**

- 9.1. Correspondence provided by City Councillor Whillans, re: Atlas365 Inc. Announcement titled "Black Entrepreneurs Get Green, In A Majority White Cannabis Industry: Atlas365 Inc. Secures Oversubscribed Round for New Portfolio Company: Canurta Inc."

*To be received*

**10. Question Period**

**11. Public Question Period**

15 Minute Limit (regarding any decision made at this meeting)

During the meeting, the public may submit questions regarding recommendations made at the meeting via email to the City Clerk at [cityclerksoffice@brampton.ca](mailto:cityclerksoffice@brampton.ca), to be introduced during the Public Question Period section of the meeting.

**12. Adjournment**

**Next Meeting: Tuesday, April 13, 2021**



## Minutes

### Environment Advisory Committee

### The Corporation of the City of Brampton

**Tuesday, December 8, 2020**

**Members Present:**

Preethi Anbalagan (Co-Chair)  
Akeem Gardner (Co-Chair)  
Harripaul Bridgemohan  
Rajbalinder Ghatoura  
David Laing  
Davika Misir  
Stacey Wilson  
City Councillor D. Whillans

**Members Absent:**

Jafir Jaferi  
Sanjay Mathur  
Tamsen Metcalfe  
Amandeep Purewal  
Sherry-Ann Ram  
Vipul Shah

**Staff Present:**

Michael Hoy, Supervisor, Environmental Planning, Public Works and Engineering  
Stavroula Kassaris, Environmental Planner, Public Works and Engineering  
Alex Taranu, Senior Advisor, Public Works and Engineering  
Sonya Pacheco, Legislative Coordinator



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1. **Call to Order**

The meeting was called to order at 5:09 p.m. and adjourned at 6:09 p.m.

2. **Approval of Agenda**

The following motion was considered.

**EAC023-2020**

That the agenda for the Environment Advisory Committee Meeting of December 8, 2020 be approved as amended to re-order the agenda to deal with the items under section 8 (Other/New Business) immediately following section 4 (Previous Minutes).

Carried

3. **Declarations of Interest under the Municipal Conflict of Interest Act**

Nil

4. **Previous Minutes**

4.1 Minutes - Environment Advisory Committee - October 13, 2020

The minutes were considered by Committee of Council on October 21, 2020, and approved by Council on October 28, 2020. The minutes were provided for Committee's information.

5. **Presentations\Delegations**

5.1 Delegation from Alice Casselman, Founder/President, ACER (Association for Canadian Educational Resources), and Catherine Soplet, Founder/Lead Strategist, Building Up Our Neighbourhoods, re: Project Crossroads Urban Reforestation Activities

Prior to the delegation's presentation, a testimonial video prepared by an ACER volunteer was played.

Alice Casselman, Founder/President, ACER (Association for Canadian Educational Resources), and Catherine Soplet, Founder/Lead Strategist, Building Up Our Neighbourhoods, provided a presentation regarding the Project Crossroads Urban Reforestation Activities, which included information on the following:

- ACER programs, activities and collaborative results
- Impact of COVID-19 on ACER programs and activities
- Climate, racism and COVID-19 crisis in Peel
- Requests to staff (Slide 2 of the presentation):
  - for a Letter of Support for ACER's proposal to Environment Canada: Climate Action and Awareness Fund
  - to establish a process with public school boards and extend the One Million Trees program by delivering mulch to public schoolyards for use
  - to explore how ACER programs benefit GHG emissions reduction; how youth benefit with outdoor and hands-on cross-curricular activity, and how community tree planting can be guided by a framework to foster equity and inclusion and further understanding of racism, especially anti-Black racism

Committee discussion on this matter included the following:

- Positive impact of ACER planting programs on students and the broader community
- Indication that the Parks Maintenance and Forestry Division already provide mulch to schools at their request
- Indication that Environment Planning staff could provide a letter of support to ACER for the Environment Canada: Climate Action and Awareness Fund

Akeem Gardner, Chair, suggested that staff liaise with the delegations regarding the requests outlined within their presentation.

The following motion was considered.

#### **EAC024-2020**

1. That the delegation from Alice Casselman, Founder/President, ACER (Association for Canadian Educational Resources), and Catherine Soplet, Founder/Lead Strategist, Building Up Our Neighbourhoods, to the Environment Advisory Committee Meeting of December 8, 2020, re: **Project Crossroads Urban Reforestation Activities** be received; and

2. That the delegation's requests be **referred** to staff for review and consideration.

Carried

5.2 Staff Presentation re: Bramalea Sustainable Neighbourhood Action Program (SNAP) Action Plan

Shannon Logan, Senior Program Manager of Sustainable Neighbourhoods, Toronto and Region Conservation Authority, and Stavroula Kassaris, Environmental Planner, Public Works and Engineering, provided a presentation regarding the Bramalea Sustainable Neighbourhood Action Program (SNAP) Action Plan.

The following motion was considered.

**EAC025-2020**

1. That the presentation by Shannon Logan, Senior Program Manager of Sustainable Neighbourhoods, Toronto and Region Conservation Authority, and Stavroula Kassaris, Environmental Planner, Public Works and Engineering, to the Environment Advisory Committee Meeting of December 8, 2020 re: **Bramalea Sustainable Neighbourhood Action Program (SNAP) Action Plan** be received;
2. That the Environment Advisory Committee support the establishment of the Bramalea SNAP and endorse the proposed Bramalea SNAP Action Plan; and
3. That TRCA and City staff provide a presentation regarding the Bramalea SNAP Action Plan to Committee of Council.

Carried

5.3 Staff Presentation re: Brampton Grow Green Environmental Master Plan Action Plan and Metric Refresh

The subject presentation was provided within the agenda package and was not displayed during the meeting. Committee acknowledged the information provided within.

The following motion was considered.

**EAC026-2020**

1. That the presentation by Stavroula Kassaris, Environmental Planner, Public Works and Engineering, to the Environment Advisory Committee Meeting of

December 8, 2020 re: **Brampton Grow Green Environmental Master Plan Action Plan and Metric Refresh Plan** be received;

2. That the Environmental Advisory Committee support the Brampton Grow Green Environmental Master Plan Action Plan and Metric Refresh; and
3. That City staff provide a presentation regarding the Brampton Grow Green Environmental Master Plan Action Plan and Metric Refresh to Committee of Council.

Carried

5.4 Staff Presentation re: Riverwalk Area Urban Design Master Plan

The subject presentation was provided within the agenda package and was not displayed during the meeting. Committee acknowledged the information provided within.

The following motion was considered.

**EAC027-2020**

That the presentation by Alex Taranu, Senior Advisor, Public Works and Engineering, to the Environment Advisory Committee Meeting of December 8, 2020 re: **Riverwalk Area Urban Design Master Plan** be received.

Carried

6. **Reports/Updates**

Nil

7. **Sub-Committees**

7.1 Current EAC Sub-Committee Membership List (updated November 2020)

The EAC Sub-Committee Membership List was provided for information. There was no discussion on this item.

8. **Other New/Business**

8.1 2021 EAC Schedule of Meetings

The 2021 EAC Schedule of Meetings was provided for Committee's information. There was no discussion regarding this item.

- 8.2 Discussion at the request of Stavroula Kassaris, Environmental Planner, Public Works and Engineering, re: Request for Environment Advisory Committee Representation on the Official Plan Review Community Leaders Advisory Group

Stavroula Kassaris, Environmental Planner, Public Works and Engineering, advised that the Environment Advisory Committee has been requested to select a representative to participate on the Official Plan Review Community Leaders Advisory Group. Ms. Kassaris provided information on the Official Plan and the role of this group.

In response to a request for volunteers to represent the Environment Advisory Committee on the Official Plan Review Community Leaders Advisory Group, Akeem Gardner and Davika Misir expressed their interest.

The following motion was considered.

**EAC028-2020**

That Akeem Gardner and Davika Misir be selected to represent the Environment Advisory Committee on the Official Plan Review Community Leaders Advisory Group.

Carried

- 8.3 Discussion at the request of Stacey Wilson, Committee Member, re: Implications of Bill 229 (Protect, Support and Recover from COVID-19 Act)

Stacey Wilson, Committee Member, provided information to Committee regarding the implications of Bill 229 (*Protect, Support and Recover from COVID-19 Act*), noting that the Bill has passed third reading in the Legislature. She advised that various municipalities have officially registered their opposition to the Bill, and outlined the negative impacts of this Bill on the role of conservation authorities to protect the environment and the *Endangered Species Act*.

Michael Hoy, Supervisor, Environmental Planning, provided the following:

- Staff reviewed the changes in the proposed legislation in early 2020 and provided comments to the Province
- The City is in a good position to absorb the changes and there will be minimal impact on environmental protection in Brampton
- Memorandums of Understanding are in place for services provided to the City by the conservation authorities

Committee discussion took place with respect to the following:

- Suggestion that a formal response be provided to the Province, outlining the City's opposition to Bill 229 due to the significant impact on environmental protection
- Indication that several members of the Greenbelt Council resigned as a direct result of Bill 229, and over 20 municipalities registered their opposition

City Councillor Whillans advised that he would request to have this matter added to the December 9, 2020 City Council meeting agenda for a formal position from the City of Brampton.

The following motion was considered.

**EAC029-2020**

That, it is the position of the Environment Advisory Committee, that the City of Brampton communicate to the Province of Ontario that it does not support Schedule 6 (Conservation Authorities Act) and Schedule 8 (Crown Forest Sustainability Act, 1994) of Bill 229 (Protect, Support and Recover from COVID-19 Act (Budget Measures), 2020), due to the negative impact on the protection of Ontario's environment.

Carried

**9. Correspondence**

Nil

**10. Question Period**

Nil

**11. Public Question Period**

Nil

**12. Adjournment**

The following motion was considered.

**EAC030-2020**

That the Environment Advisory Committee do now adjourn to meet again on Tuesday, February 9, 2021 at 6:00 p.m. or at the call of the Chair.

Carried

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Preethi Anbalagan – Co-Chair

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Akeem Gardner – Co-Chair



## Delegation Request

For Office Use Only:

Meeting Name:

Meeting Date:

Please complete this form for your request to delegate to Council or Committee on a matter where a decision of the Council may be required. Delegations at Council meetings are generally limited to agenda business published with the meeting agenda. Delegations at Committee meetings can relate to new business within the jurisdiction and authority of the City and/or Committee or agenda business published with the meeting agenda. **All delegations are limited to five (5) minutes.**

Attention: City Clerk's Office, City of Brampton, 2 Wellington Street West, Brampton ON L6Y 4R2

Email: [cityclerksoffice@brampton.ca](mailto:cityclerksoffice@brampton.ca) Telephone: (905) 874-2100 Fax: (905) 874-2119

Meeting: ☐ City Council ☐ Planning and Development Committee  
☐ Committee of Council ☒ Other Committee:

[Environment Advisory Committee](#)

Meeting Date Requested: [February 9, 2021](#)

Agenda Item (if applicable):

Name of Individual(s): [Jack Gibbons](#)

Position/Title:

[Chair](#)

Organization/Person  
being represented:

[Ontario Clean Air Alliance](#)

Full Address for Contact: [160 John Street, Suite 300 Toronto, Ontario,  
M5V 2E5](#)

Telephone: [\(416\) 260-2080 x 2](#)

Email: [jack@cleanairalliance.org](mailto:jack@cleanairalliance.org)

Subject Matter  
to be Discussed:

[Municipal Resolution re Phasing out Ontario's gas-fired power plants; response to current plan to triple gas-fired electricity generation and related greenhouse gas emissions by 2025; proposal for alternative approach to electricity supply.](#)

Action  
Requested:

[Committee recommendation to Council to support the resolution.](#)

A formal presentation will accompany my delegation: ☒ Yes ☐ No

Presentation format: ☒ PowerPoint File (.ppt) ☐ Adobe File or equivalent (.pdf)  
☐ Picture File (.jpg) ☐ Video File (.avi, .mpg)

☐ Other:

Additional printed information/materials will be distributed with my delegation: ☒ Yes ☐ No ☐ Attached

**Note:** Delegates are requested to provide to the City Clerk's Office **well in advance of the meeting date:**

- (i) 25 copies of all background material and/or presentations for publication with the meeting agenda and /or distribution at the meeting, and
- (ii) the electronic file of the presentation to ensure compatibility with corporate equipment.

**Submit by Email**

Once this completed form is received by the City Clerk's Office, you will be contacted to confirm your placement on the appropriate meeting agenda.

Personal information on this form is collected under authority of the Municipal Act, SO 2001, c.25 and/or the Planning Act, R.S.O. 1990, c.P.13 and will be used in the preparation of the applicable council/committee agenda and will be attached to the agenda and publicly available at the meeting and on the City's website. Questions about the collection of personal information should be directed to the Deputy City Clerk, Council and Administrative Services, 2 Wellington Street West, Brampton, Ontario, L6Y 4R2, tel. 905-874-2115.



## City of Brampton **Resolution Calling for Gas-Fired Electricity Generation Phase-Out (DRAFT Feb 1, 2021)**

### Background

The Government of Ontario is planning to [ramp up the greenhouse gas pollution](#) from Ontario's gas-fired power plants by more than 300% by 2030 and by 500% or more by 2040 to replace the output of the Pickering Nuclear Station (its operating licence expires on December 31, 2024) and to meet a rising demand for electricity. This plan will throw away approximately 40% of the greenhouse gas reductions Ontario achieved by phasing-out its dirty coal-fired power plants.

To support this massive increase in fossil fuel electricity and climate-threatening greenhouse gas (GHG) pollution, the provincial government recently [purchased 3 gas plants](#) at a cost of \$2.8 billion.

Greenhouse gas pollution is causing temperatures in Canada to rise at [more than double](#) the rate in the rest of the world, causing adverse impacts for the citizens of the City of Brampton, such as heat waves, rain, flooding, forest fires and winter storms with related property damage and public health impacts.

Brampton's commitment to addressing climate change has been highlighted during the recently completed Global Covenant of Mayors Climate and Energy Showcase year. In keeping with its June 2019 declaration of a Climate Emergency, Brampton's Green City Council Priority and Community Energy and Emissions Reduction Plan are guiding a full complement of actions to reduce emissions by 80% by 2050.

The planned increase in GHG pollution associated with electricity will reduce the effectiveness of the City of Brampton's climate adaptation and mitigation efforts. It will decrease the effectiveness of electrification programs (deep building retrofits, EV programs) due to increased GHGs associated with electricity, discourage development of distributed renewable energy initiatives, delay municipal transition to the clean economy of the future, and prevent Ontario from meeting its GHG reduction commitment.

Ontario can phase-out its gas-fired power plants by 2030 by an integrated combination of energy efficiency investments, wind and solar energy and Quebec water power. The costs of the alternatives to gas-fired generation are [all less than](#) Ontario Power Generation's current price per kilowatt-hour (kWh) for power from nuclear plants (9.6 cents per kWh).

Ontario can increase its investments in quick-to-deploy and low-cost energy efficiency programs. Ontario can cost-effectively maximize its energy efficiency efforts by paying up to the same price for energy efficiency measures as it is currently paying for power from nuclear plants.

Ontario can become a leader in developing increasingly low-cost renewable energy resources rather than investing in high-cost nuclear re-builds. Ontario should support renewable energy projects that have costs that are below what we are paying for nuclear power and work with communities to make the most of these economic opportunities.

Quebec has offered Ontario [low-cost](#) 24/7 power from its massive water power system at less than one-half the cost of the planned re-buildings of the aging Darlington and Bruce Nuclear Stations.

In addition, Quebec's system of hydro-electric reservoirs can be used like a giant battery to provide load balancing/back-up for Ontario's intermittent sources of renewable energy.

Ontario can benefit from making long-term electricity deals with its green energy-rich neighbour.

The phase-out of Ontario's gas-fired power plants will help the City of Brampton, the Province of Ontario and the Government of Canada to achieve their greenhouse gas pollution reduction goals.

#### Municipal Resolution

Whereas: The Government of Ontario is planning to increase electricity generation and greenhouse gas pollution from Ontario's gas-fired power plants by more than 300% by 2030 and by 500% or more by 2040, reversing approximately 40% of the greenhouse gas pollution reductions achieved by phasing out our coal-fired power plants;

And whereas: Greenhouse gas pollution is causing temperatures in Canada to rise at more than double the rate of the rest of the world, causing impacts to the operations and citizens of the City of Brampton;

And whereas: The City of Brampton is taking measures to mitigate and adapt to the climate impacts caused by increasing greenhouse gas pollution;

And whereas: The planned increase in electricity-related greenhouse gas pollution will reduce the effectiveness of the City's greenhouse gas reduction efforts;

And whereas: There are feasible, cost-effective alternatives to increasing gas-fired electricity generation without increasing greenhouse gas pollution at costs well below the current price for Ontario's nuclear energy (9.6 cents/kWh), including:

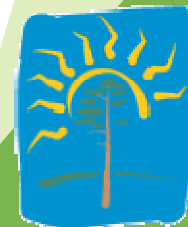
- energy efficiency investments;
- low-cost, distributed, renewable energy, providing employment in Ontario communities and restoring our leadership in this industry;
- the purchase of low-cost power offered by the Province of Quebec from its existing hydroelectric generating stations; and
- using Quebec's system of reservoirs like a giant battery to back-up made-in-Ontario renewable power, eliminating the need to use gas-fired power plants for this purpose;

**Therefore be it resolved that the City of Brampton requests the Government of Ontario to place an interim cap of 2.5 megatonnes per year on the greenhouse gas pollution from Ontario's gas-fired power plants and develop and implement a plan to phase-out all gas-fired electricity generation by 2030 to help the City of Brampton, the Province of Ontario and the Government of Canada meet their climate targets;**

**And be it resolved that this resolution be sent to the Premier of Ontario; the Minister of Energy, Northern Development and Mines; the Minister of the Environment, Conservation and Parks; the Minister of Health; all local MPPs and MPs; the President of Hydro Quebec; the Premier of Quebec; Ontario Big City Mayors; the Federation of Canadian Municipalities; and the Association of Municipalities of Ontario.**

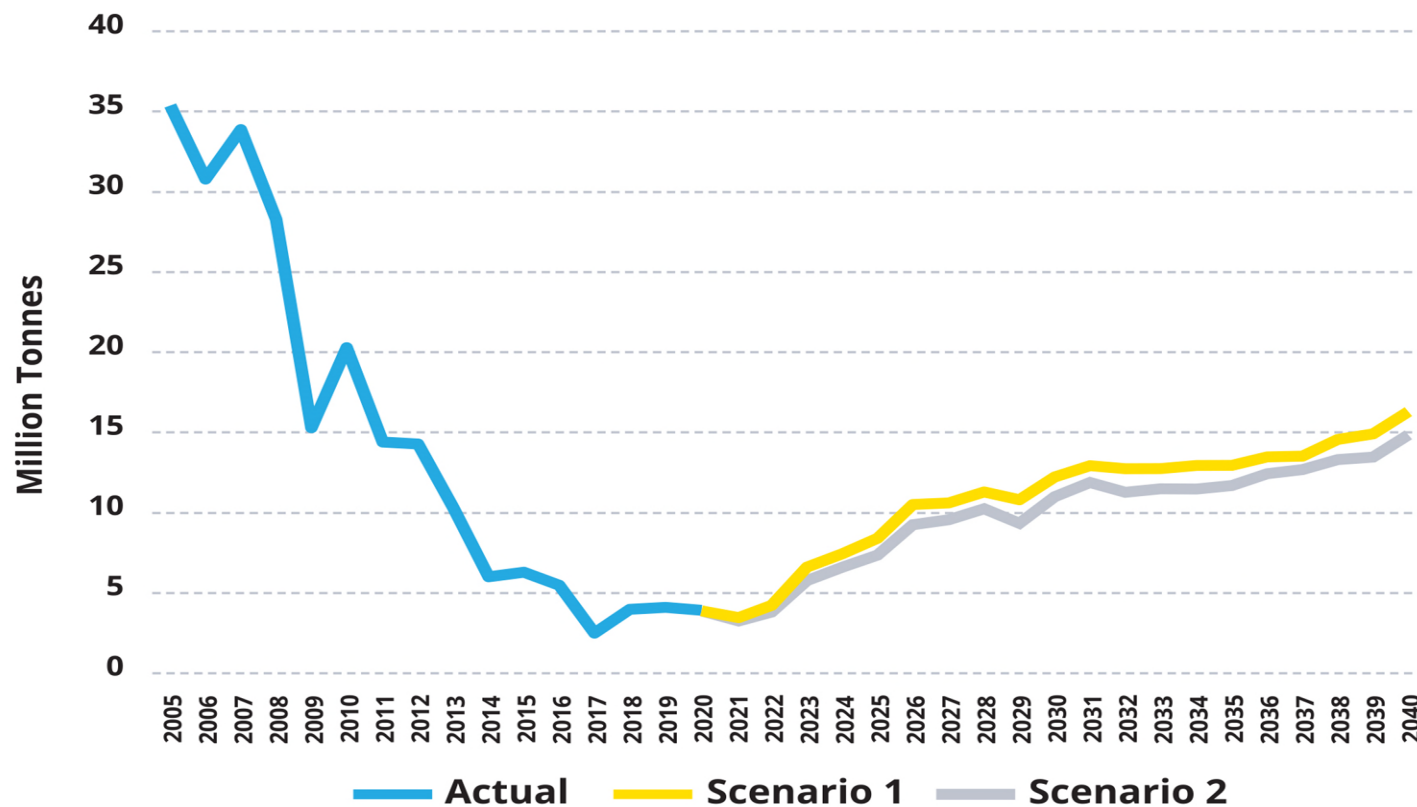
# Ontario's Growing Climate Crisis

**Gas Plant Pollution  
to increase by more  
than 300%**



# Ontario's rising emissions

Ontario's  
Historic  
and  
Forecast  
GHG  
Pollution  
from its  
Electric  
Power  
Plants



# What's behind these rising emissions?

- ▶ Ontario's demand for electricity will rise by about 1% per year.
- ▶ The Pickering Nuclear Station will close in 2025.
- ▶ Virtually all of our need for new electricity resources will be met by ramping up province's gas-fired power plants.





# Reaching Ontario's 2030 Climate Target

- ▶ According to Ontario's Auditor General, we need to implement measures that will reduce our greenhouse gas pollution by an additional 7.3 to 14 million tonnes per year to achieve our 2030 climate target.
- ▶ A phase-out of Ontario's gas plants would provide our province with all or virtually all of the incremental pollution reductions that it needs to achieve its 2030 climate target.

Historic and Forecast GHG Pollution and Electricity Generation from Ontario's Gas-Fired Power Plants

Year	2017	2018	2019	2020	2025	2030	2040
GHG Pollution (Million Tonnes)	2.5	4	4.1	4.2	7.3 - 8	10.9-12.2	15 - 16.3
Electricity Generation (billion kWh)	5.9	9.6	9.5	9.7	18.5 - 20.6	27.9 - 31.3	39.0 - 42.3

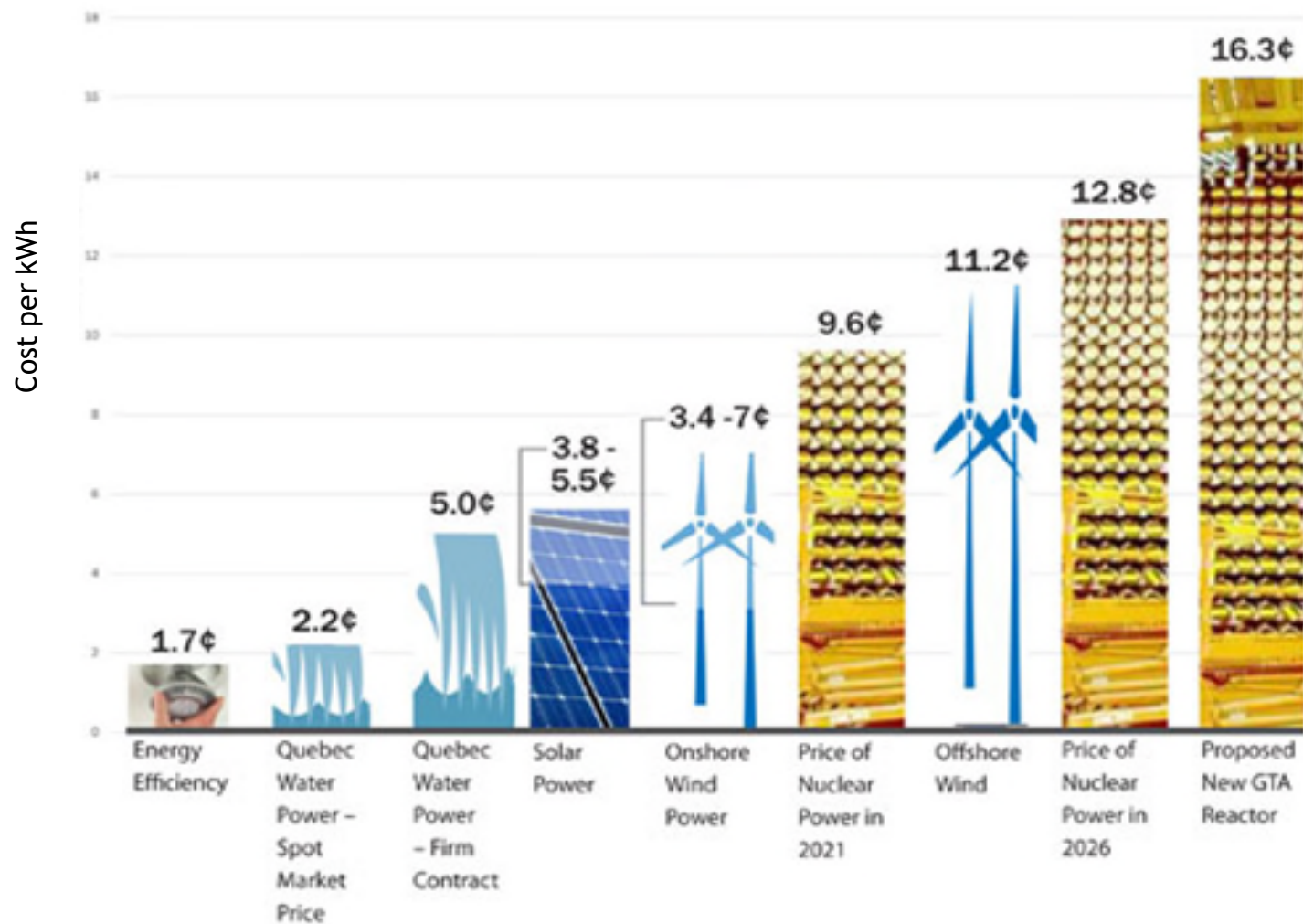
# How can we phase out Ontario's gas plants?

- ▶ Energy efficiency
- ▶ Quebec water power
- ▶ Wind and solar energy

- ▶ Distributed resources can create jobs in every community
- ▶ Quebec water power can back-up wind and solar energy



# Ontario Electricity Options: A Cost Comparison





# Phase out supporters

# Kitchener council calls on province to phase out gas-fired power production

Kitchener City Council voted unanimously on Monday to join Halton Hills in calling on the Government of Ontario to phase-out the province's gas-fired power plants by 2030.

about 10 hours ago By: [Casey Taylor](#)



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*Lennox Power Station near Bath, Ontario, Canada. November 2010.*

## Municipal Leadership

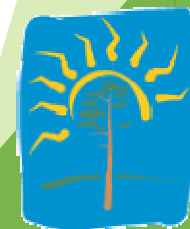




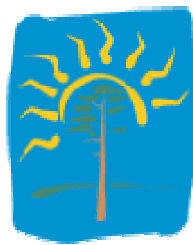
# Phasing-Out Ontario's Gas-Fired Power Plants:

## A ROAD MAP

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ONTARIO  
CLEAN AIR  
ALLIANCE



ONTARIO  
CLEAN AIR  
ALLIANCE

# Let's get to work!

Jack Gibbons  
[jack@cleanairalliance.org](mailto:jack@cleanairalliance.org)

Angela Bischoff  
[angela@cleanairalliance.org](mailto:angela@cleanairalliance.org)

**[CleanAirAlliance.org](http://CleanAirAlliance.org)**  
**[OntarioClimateAction.ca](http://OntarioClimateAction.ca)**

**Date:** 2021-02-01

**Subject:** Pursuing Bee City Canada Designation for the City of Brampton

**Contact:** Mike Hoy, Supervisor, Environmental Planning, Public Works and Engineering, michael.hoy@brampton.ca, 905-874-2608

**Report Number:** Public Works & Engineering-2021-182

**Recommendations:**

- 1) That the presentation from Karley Cianchino, Environmental Planning Student, Public Works and Engineering, to the Environment Advisory Committee of February 9, 2021 re: Pursuing Bee City Canada designation for the City of Brampton be received;
- 2) That the Environment Advisory Committee endorse the City of Brampton pursuing the Bee City Canada designation, and recommend that Council direct City staff to submit the Bee City Canada application to designate Brampton as a Bee City.

# Pursuing the Bee City Designation

Presented to:  
Environment Advisory Committee  
2021.02.09



**BRAMPTON**  
Flower City



## What is a Bee City?

A city that has made a commitment to promoting healthy, sustainable habitat for pollinators to thrive by supporting collaboration and initiatives that benefits both pollinators and city residents.



Image Source: Bee City Canada



## Pollinator Importance

- Pollinators play a critical role in maintaining native plant communities and ensuring that flowering plants produce seeds
- Between 75-95% of all flowering plants require pollination
- These pollinators play a significant role in crop production
- Estimated that the commercial value of crop pollinators in Canada is roughly \$2 billion annually



Dog Bane Beetle



Red Admiral Butterfly



Common Eastern Bumblebee



Hoverfly

## About Bee City Canada

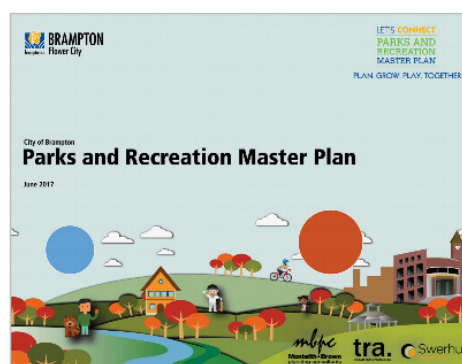
- Bee City Canada is a federally recognized charitable organization
- Goal to educate Canadians about importance of pollinators and inspire action to protect pollinator habitat
- Currently 30 Bee Cities in Ontario including Toronto, Mississauga, Richmond Hill, Hamilton, Waterloo, and Barrie
- The Friends and Stewards of Dorchester Park are the only known Bee Partners in Brampton



Images Source: Bee City Canada

# What is Brampton already doing to support pollinators?

## Strategic Framework





# What is Brampton already doing to support pollinators?

## Community Outreach and Education

### Parks Environmental Stewardship Program

For students in Kindergarten through Grade 8 including in classroom lessons and activities related to pollinators

### Natural Heritage Brochure Series

Build awareness on natural heritage features, the services they provide, and what actions people can take to responsibly enjoy and conserve them

### SNAPS (Fletcher's Creek, County Court)

Fletcher's Creek SNAP included development of a rain garden at Glendale P.S. that provides habitat for pollinators

County Court SNAP included creation of demonstration garden that incorporates flowering plants that support pollinators



Glendale Rain Garden





## Community Programs and Events

### Seedy Saturday Garden Show

Provides attendees opportunity to hear from experts, get gardening information, swap and buy seeds, join gardening programs, and engage with fellow gardening enthusiasts

### Community Garden Program

Allows a group of community members to join together to manage and maintain an identified plot of land for the purpose of growing fresh produce and plants

### Backyard Garden Program

Offers residents with soil and seeds to grow produce and herbs, attracting pollinators and improving food security

### Community Stewardship Program

Establishes pollinator gardens in partnership with local schools (David Suzuki Secondary School)





## City Strategies, Programs and Guidelines

### **Naturalization program**

Restores native plant communities in valleys that were stripped of native vegetation by past agricultural practices and development

### **Don't Mow, Let it Grow**

Strategically converts areas of public space from turf grass into naturalized meadows and pollinator gardens

### **One Million Trees Program**

Encourages the use of flowering tree species and fruit trees in public spaces to enhance and promote Brampton's image as the Flower City and facilitate urban agriculture

### **JJJ Parks Revitalization (Eco Park Strategy)**

Will include native flower shrub plantings, channel naturalization and a community garden

### **Landscape Development Guidelines**

Direct landscape plans for new developments in Brampton, encouraging the planting of flowering trees/ shrubs and flowering bulbs

### **Sustainable Community Development Guidelines**

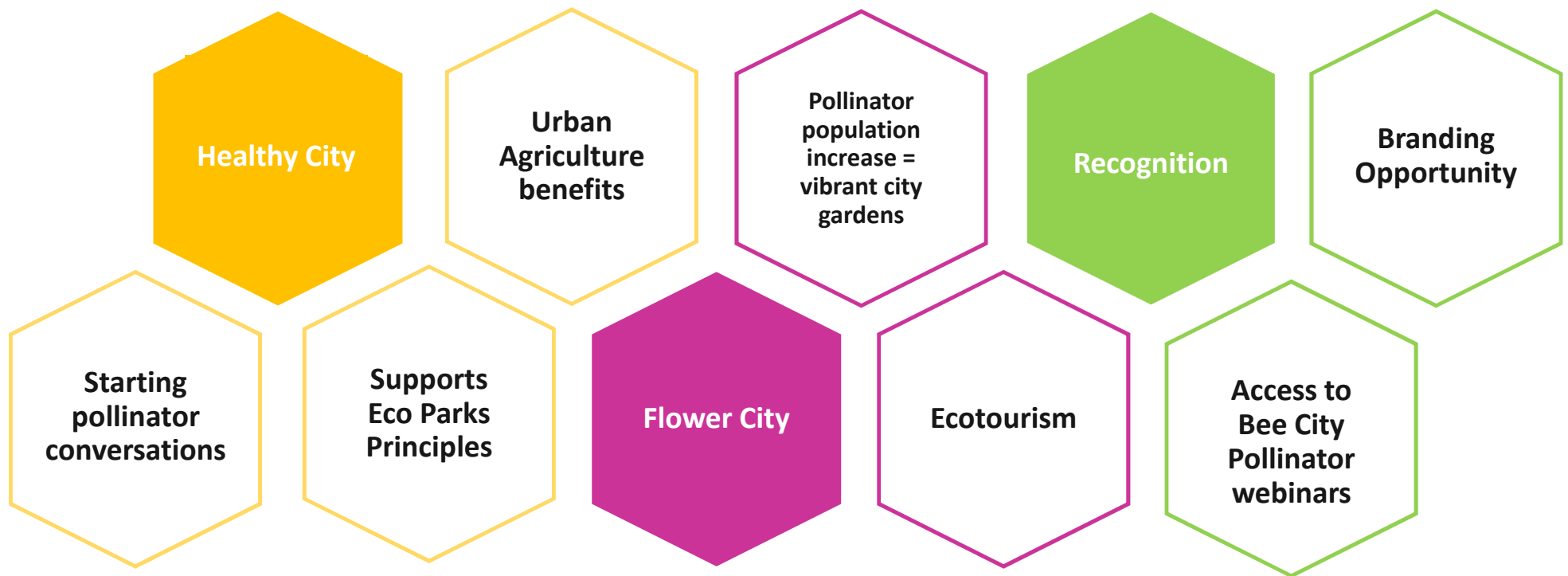
Supports pollinators through guidelines for urban agriculture and recognition of the importance of community gardens



## Why should Brampton become a Bee City?

1. To **promote healthy, sustainable habitat** for pollinators to thrive in Brampton
2. To **foster environmental awareness** and increase interactions and engagement among community stewards for pollinators and pollinator habitat
3. To **set an example** and to **encourage** residents and businesses to recognize the importance of biodiversity and how pollinators are impacted by climate change
4. To **expand** the City's current efforts to provide pollinator habitat across Brampton.
5. Brampton is known as the "**Flower City**" of Canada due to its rich history in the floral industry. Committing to providing pollinator habitat ensures the succession of floral blooms in the city's 400+ roadside gardens

# Benefits of Becoming a Bee City





# Community Opportunities

Becoming a Bee City provides opportunities to further enhance pollinator habitat and our relationship with pollinators. Example include:

- Bee Hotels/Hives/ Butterflyway
- Bee City Art
- Citizen Science
- Interactive education
- Resident pollinator gardens recognition/award
- Pollinator Campaigns
- Pollinator gardens of Brampton map



Public art, Singapore



Bee classroom , PEI



Pollinator wall, Toronto



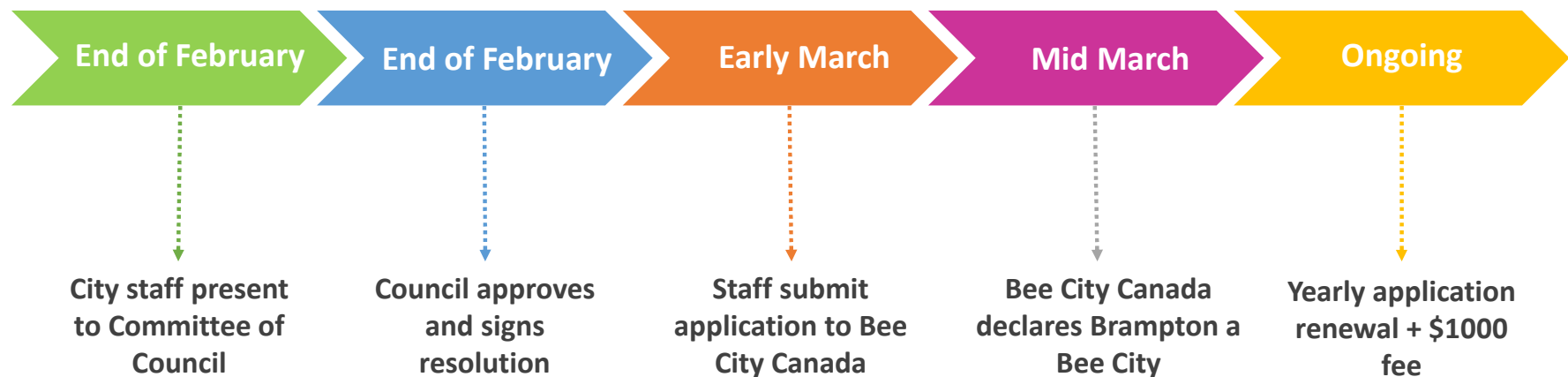
Urban Bee Hive, Calgary



Bee Hotel, Toronto



# Bee City Designation Process





## How to become Bee City Certified

Bee City Canada application requirements:

- a) Establish a Bee City Pollinator Team
- b) Resolution from Council
- c) Commitments:
  - Maintain and create healthy pollinator habitats
  - Educate the public about the importance of pollinators
  - Commitment to celebrate pollinators during National Pollinator Week (June)



Satyr Butterfly



A photograph of a lush green field with yellow and black flowers, a small pond, and houses in the background. The field is filled with tall green grass and numerous yellow flowers with black centers. In the background, a small pond is visible, and beyond that, a row of houses is nestled among trees. The sky is blue with some light clouds. A semi-transparent yellow rectangular box is overlaid on the left side of the image, containing the word "Questions?".

Questions?



# **Black Entrepreneurs Get Green, In A Majority White Cannabis Industry: Atlas365 Inc. Secures Oversubscribed Round for New Portfolio Company: Canurta Inc.**

Jan 12

**Toronto, January 12th, 2020** – Atlas365 Inc. is thrilled to announce it has successfully raised a funding round after oversubscribing its anticipated raise of \$500,000. The round was led by strategic investor Canxtra Inc., a global industrial-scale cannabis extractor and product manufacturer. Friends and family supplemented the round.

The new investment round will enable Canurta Inc. to commercialize a novel, cannabinoid-free extract and introduce it to the market for the first time. Driven by a need to understand the compounds responsible for many of the cannabis benefits that are currently being researched, Atlas365 Inc., working with researchers from the University of Guelph, aimed to understand novel cannabis polyphenols and developed a proprietary extraction method to isolate, capture and purify these valuable compounds.

The resulting Canurta extract is enriched with an exclusive blend of these hemp-derived polyphenols. It requires no cannabinoids or terpenes to give it its synergistic effect. Polyphenols have long been researched for their beneficial effects, including anti-inflammatory, neuroprotective, anti-cancer, anti-bacterial, antiviral, and hepatoprotective. Moreover, cannabis polyphenols exhibit novel properties that may help enhance the quality of life, support long-term well-being, and aid in living a healthy and active lifestyle by encouraging normal muscle and joint function, promoting recovery, and improving performance. By offering Canurta™ in various human and animal natural health products, including dietary supplements, cosmeceuticals, and nutraceuticals, the extract looks to disrupt the current cannabinoid market.

“50% of all human mortality can be attributed to chronic inflammation, which is well known. This is a huge problem we will be tackling with Canurta Inc. As a black co-founder, I couldn’t be more proud of the resilience our team has shown to allow us to break barriers in this industry.”

– Akeem Gardner, CEO & Co-Founder, Atlas 365 Incorporated.

“I am excited to support Canurta Inc., with strategic relationships to help educate consumers and tell the CanurtaTM story on a global scale. Establishing a brand backed by scientific evidence that can effectively disrupt and differentiate from the current CBD market offerings makes CanurtaTM a unique opportunity and a marketers dream.”

– Randy Osei, Co-Founder, Atlas 365 Incorporated.

“CanurtaTM is a ground-breaking opportunity, commercially and scientifically as a high-activity, anti-inflammatory ingredient for nutraceutical product manufacturers. Our transformative collaboration with Atlas 365 and the CanurtaTM brand will accelerate Canxtra’s vision to be one of the most innovative and profitable extractor operators in North America.”

– Albert Ferrer, President and Co-founder of Canxtra.

Keeping in line with the company’s sustainability principles, the CanurtaTM extraction technology uses repurposed waste biomass and energy-efficient manufacturing while also supporting local industrial hemp farmers. An experienced and ambitious women-led team will proudly manage Canurta Inc. Atlas365 Inc. anticipates CanurtaTM - infused products to launch in the U.S. market mid-2021.

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### **Atlas365 Incorporated.**

Co-Founded in 2017 by Akeem Gardner and Randy Osei, Atlas365 Inc. is a Canadian black-owned enterprise tackling social and environmental issues with industrial hemp. Atlas365 Inc. is focused on creating market opportunities in the industrial hemp supply chain, including natural health products, by leveraging technological innovation. Atlas365 Inc. is committed to advancing the UN’s Sustainable Development Goals and upholds these principles throughout its operations.

### **Canxtra Inc.**

Canxtra is an all-natural industrial-scale Hemp Extractor and CBD product manufacturer with unique patent-pending processing solutions, backed by an extensive network of cultivators throughout North America.

Our mission is to reimagine the hemp supply chain with our proprietary processing technology and a blockchain-enabled ecosystem at its core. We work with our cultivator and manufacturing partners to ensure the consistent long-term supply of high-quality, water-soluble, full-spectrum, and water-soluble CBD products. The Canxtra technology is organic-enabled, sustainable, and engineered for localized production, providing extended-lasting benefits to our partners and the environment.

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Akeem Gardner

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