



Post-Meeting Agenda  
Environment Advisory Committee  
The Corporation of the City of Brampton

**Date:** Tuesday, October 13, 2020  
**Time:** 6:00 p.m.  
**Location:** Council Chambers - 4th Floor, City Hall - Webex Electronic Meeting  
**Members:** Akeem Gardner (Co-Chair)  
Preethi Anbalagan (Co-Chair)  
Harripaul Bridgemohan  
Rajbalinder Ghatoura  
Jafir Jaferi  
David Laing  
Tamsen Metcalfe  
Davika Misir  
Amandeep Purewal  
Sherry-Ann Ram  
Vipul Shah  
Stacey Wilson  
Malcolm Hamilton  
Ken Lauppe  
Kayla Wong  
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 pre-registration 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 [complete this form](#).

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  
[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 - February 11, 2020

The minutes were considered by Committee of Council on February 19, 2020, and were approved by Council on February 26, 2020. The minutes are provided for Committee's information.

5. Presentations\Delegations

5.1. Presentation by Stavroula Kassaris, Policy Planner - Environment, Public Works and Engineering, re: Brampton Grow Green Environmental Masterplan (EMP) Refresh Update

*To be received*

5.2. Presentation by Pam Cooper, Policy Planner - Environment, Public Works and Engineering, re: Community Energy and Emissions Reduction Plan (CEERP)

*To be received*

5.3. Presentation by Michael Hoy, Supervisor, Environmental Planning, Public Works and Engineering, re: Centre for Community Energy Transformation (CCET)

*To be received*

5.4. Presentation by Zoe Milligan, Policy Planner - Environment, Public Works and Engineering, re: Eco Park and One Million Trees Update

*To be received*

**6. Reports/Updates**

- 6.1. Verbal Update from Rajbalinder Ghatoura, Committee Member, re: Delegation to Committee of Council - Development of a Waste Diversion Strategy

**7. Sub-Committees**

- \*7.1. Grow Green Network Sub-Committee Report

*Distributed at the meeting*

**8. Other New/Business**

- 8.1. Verbal Advisory from the City Clerk's Office, re: Resignation of Environment Advisory Committee Members - Malcolm Hamilton, Ken Lauppe and Kayla Wong

*Recommendation*

- 8.2. Discussion Item at the request of Stavroula Kassaris, Policy Planner - Environment, Public Works and Engineering, re: Request for Environment Advisory Committee Representation on the River Walk Area Urban Design Master Plan Community Liaison Team

- 8.3. Discussion Item at the request of Akeem Gardner, Co-Chair, re: Implications of the Provincial Government's Environment Assessment (EA) Process on Environmental Protection.

**9. Correspondence**

**10. Question Period**

**11. Public Question Period**

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

**12. Adjournment**

Next Regular Meeting: Tuesday, December 8, 2020

**Tuesday, February 11, 2020**

**Members Present:** Preethi Anbalagan – **Co-Chair**  
Harripaul Bridgemohan  
Rajbalinder Ghatoura  
Malcolm Hamilton  
Jafir Jaferi  
David Laing  
Davika Misir  
Vipul Shah  
Stacey Wilson  
Kayla Wong  
City Councillor Doug Whillans

**Members Absent:** Akeem Gardner – Co-Chair (regrets)  
Ken Lauppe (regrets)  
Tamsen Metcalfe (regrets)  
Amandeep Purewal  
Sherry-Ann Ram (regrets)

**Staff Present:** Michael Hoy, Supervisor, Environmental Planning, Public  
Works and Engineering  
Stavroula Kassaris, Policy Planner, Environment, Public  
Works and Engineering  
Zoe Milligan, Environmental Planning Student  
Sonya Pacheco, Legislative Coordinator, Office of the  
Chief Administrative Officer

**Minutes  
Environment Advisory Committee**

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The meeting was called to order at 6:10 p.m. and adjourned at 8:20 p.m.

**1. Approval of Agenda**

The following motion was considered.

EAC001-2020 That the agenda for the Environment Advisory Committee Meeting of February 11, 2020, be approved, as amended to add the following:

- 7.1. Discussion at the request of Malcolm Hamilton, Committee Member, re: **Incentives for Planting Trees on Private Property.**
- 7.2. Discussion at the request of Malcolm Hamilton, Committee Member, re: **Environmental Planning Funding and Staff Resources.**

Carried

**2. Declarations of Interest under the Municipal Conflict of Interest Act – nil**

**3. Previous Minutes**

**3.1. Minutes – Environment Advisory Committee – December 10, 2019**

The minutes were considered by Committee of Council on January 29, 2020 and the recommendations were approved by Council on February 5, 2020. The minutes were provided for Committee's information.

In response to questions from Committee, staff provided information regarding the ACER (Association of Canadian Educational Resources) organization and clarified the City will partner with various agencies in the One Million Trees program.

**4. Delegations/Presentations**

**4.1. Presentation by Andrew McNeill, Strategic Leader, Policy Planning, Planning and Development Services, re: **Brampton 2040 Plan.****

Andrew McNeill, Strategic Leader, Policy Planning, provided a presentation regarding the Brampton 2040 Plan.

Committee discussion on this matter included the following:

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- Project Engagement Strategy
- Purpose of the Community Leader's Advisory Group
  - o It was noted that the terms of reference and process for selecting members is under review.
- Changing development in Brampton (e.g. net zero developments)
- Policy directions and focus on the seven core Brampton 2040 Vision Statement Areas, including sustainability and the environment
- Collaboration between staff and the EAC to leverage networks and inform processes
- Engagement with indigenous communities on the Brampton 2040 Plan
  - o It was noted that processes for proper engagement are under review.
- Brampton 2040 Speakers Series
  - o Low attendance during this event and alternate tactics to engage the Brampton community

The following motion was considered.

EAC002-2020 That the presentation by Andrew McNeill, Strategic Leader, Policy Planning, Planning and Development Services, to the Environment Advisory Committee Meeting of February 11, 2020, re: **Brampton 2040 Plan** be received.

Carried

4.2. Presentation by Kayla Wong, Chair, and Stacey Wilson, Member, Work Plan Sub-Committee, re: **Environment Advisory Committee Work Plan**.

Kayla Wong, Chair, and Stacey Wilson, Member, Work Plan Sub-Committee, presented the Environment Advisory Committee Work Plan for the 2019-2022 term.

There was committee consensus regarding the Work Plan, and consideration was given to the establishment of the Grow Green Network Sub-Committee, and the membership of all four sub-committees, three of which were previously established by the EAC at the August 13, 2019 meeting.

The following motion was considered.

EAC003-2020 1. That the presentation by Kayla Wong, Chair, and Stacey Wilson, Member, Work Plan Sub-Committee, to the Environment Advisory Committee Meeting of February 11, 2020, re: **Environment Advisory Committee Work Plan** be received;

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2. That the Environment Advisory Committee Work Plan for the 2019-2022 term be received;
- ;
3. That the Grow Green Network Sub-Committee be established and the following Committee members be appointed:
  - Harripaul Bridgemohan
  - Rajbalinder Ghatoura
  - Malcolm Hamilton
  - David Laing
  - Davika Misir
  - Stacey Wilson
  - Kayla Wong
4. That the Engagement Sub-Committee be renamed the Engagement/Outreach Sub-Committee and the following additional Committee members be appointed:
  - Davika Misir
  - Kayla Wong
5. That the following additional Committee members be appointed to the Events Sub-Committee:
  - Preethi Anbalagan
  - Jafir Jaferi
6. That the following additional Committee member be appointed to the Work Plan Sub-Committee:
  - Davika Misir

Carried

**5. Reports/Updates**

- 5.1. Verbal Update from Malcolm Hamilton, Committee Member, re: **Opportunity for Input from Dr. Ellsworth LeDrew, Geography and Environmental Management Professor, University of Waterloo.**

Malcolm Hamilton, Committee Member, provided an overview of his discussions with Dr. Ellsworth LeDrew, and highlighted the following topics:

- Importance of networking
- Measuring progress on Brampton's 2040 Vision
- Building capacity to manage extreme weather events
- Potential value in obtaining comparative analysis of similar municipalities
- Potential funding opportunities

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Committee discussion on this matter included the following:

- Purpose, composition and efforts of the Global Covenant of Mayors for Climate and Energy, and collaboration with municipalities across Canada, including the Federation of Canadian Municipalities (FCM)
- Importance of community and stakeholder participation in the Brampton 2040 Plan and forums for providing input, including delegations to standing committees and Council when reports are presented

The following motion was considered.

EAC004-2020 That the verbal update from Malcolm Hamilton, Committee Member, to the Environment Advisory Committee Meeting of February 11, 2020, re: **Opportunity for Input from Dr. Ellsworth LeDrew, Geography and Environmental Management Professor, University of Waterloo** be received.

Carried

5.2. Verbal Update from Stavroula Kassaris, Environmental Planner, Public Works and Engineering, re: **Earth Day 2020**.

Stavroula Kassaris, Environmental Planner, advised that the Earth Day 2020 event is taking place on Sunday, April 26, 2020 at the Gore Meadows Community Centre. Ms. Kassaris provided details regarding this event and indicated that an email communication would be sent to all Committee members seeking volunteers for various activities.

The following motion was considered.

EAC005-2020 That the verbal update from Stavroula Kassaris, Environmental Planner, Public Works and Engineering, to the Environment Advisory Committee Meeting of February 11, 2020, re: **Earth Day 2020** be received.

Carried

### 6. **Sub-Committees**

#### 6.1. **Minutes – Work Plan Sub-Committee – January 26, 2020**

The following motion was considered.

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EAC006-2020 That the **Minutes of the Work Plan Sub-Committee Meeting of January 26, 2020** to the Environment Advisory Committee Meeting of February 11, 2020, be received.

Carried

**7. Other/New Business**

**7.1. Discussion at the request of Malcolm Hamilton, Committee Member, re: Incentives for Planting Trees on Private Property.**

Malcolm Hamilton, Committee Member, introduced the following motion:

Whereas Brampton City Council has declared a climate state of emergency;

Whereas trees are the most effective tool available to draw down CO<sub>2</sub> and that CO<sub>2</sub> is a significant contributor to climate change and extreme climate events;

Whereas the City of Brampton is implementing a million tree planting program;

Whereas many trees are improperly planted or neglected and do not survive; and

Whereas the involvement of citizens is essential to the success of Brampton's 2040 Vision;

That the City of Brampton implement an incentive to reduce municipal taxes by \$20 for residents in the second year of planting a tree through this program on their property.

Staff advised Committee that, as the EAC is an advisory committee of Council, it is not in a position to direct Council/staff on matters which may have financial or other implications for the City.

Committee discussion on the above-noted motion included the following:

- Suggestion that a financial (cash) incentive would be more feasible than a tax reduction
- Indication from staff that the One Million Trees program includes the establishment of incentives for tree planting
- Possibility of monitoring the survival rate of new trees and the need to educate the public on new tree maintenance
- Community outreach strategy for the One Million Trees program

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The above-noted motion was not voted on.

The following motion was considered, voted on and carried unanimously.

EAC007-2020 That, it is the position of the Environment Advisory Committee, that the City prioritize establishing a financial incentive for tree planting on residential properties as part of a one million trees program.

Carried

7.2. Discussion at the request of Malcolm Hamilton, Committee Member, re:  
**Environmental Planning Funding and Staff Resources.**

Malcolm Hamilton, Committee Member, introduced the following motion:

Whereas Brampton is in a state of climate emergency;

Whereas a large part of the City successfully meeting climate goals requires an immediate and thorough response;

Whereas the City, as yet, does not have someone to coordinate and monitor environmental sustainability across City departments; and

Whereas the Environmental Planning group of three full-time staff and two students is too small a workforce to meet the demands of implementing the 2040 Vision for a city of 640,000;

That the City of Brampton hire four additional employees to work in Environmental Planning;

That the City assign a coordinator of sustainable planning; and

That the City structure this group so that the group reports to a City oversight body entrusted to the long-term planning and goals in the best interests of the present and future citizens of Brampton.

Staff advised Committee that the subject matter is not within the Committee's mandate. Committee was also advised that, as the EAC is an advisory committee of Council, it is not in a position to direct Council/staff on matters which may have financial or other implications for the City.

Committee discussion on the above-noted motion included the following:

- Acknowledgement that the EAC cannot advise Council on staffing matters
- Concerns regarding the potential impact of the subject motion and the lack of information to support this request

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- Opinion that additional staff resources are needed in Environmental Planning
- Information from staff that members of the public may delegate Budget Committee on budget-related matters (e.g. staff resources)

The following motion was considered, voted on and lost.

*EAC008-2020    Whereas Brampton is in a state of climate emergency;  
Lost*

*Whereas a large part of the City successfully meeting climate goals requires an immediate and thorough response;*

*Whereas the City, as yet, does not have someone to coordinate and monitor environmental sustainability across City departments; and*

*Whereas the Environmental Planning group of three full-time staff and two students is too small a workforce to meet the demands of implementing the 2040 Vision for a city of 640,000;*

*That, it is the position of the Environment Advisory Committee, that the City of Brampton hire four additional employees to work in Environmental Planning;*

*That the City assign a coordinator of sustainable planning; and*

*That the City structure this group so that the group reports to a City oversight body entrusted to the long-term planning and goals in the best interests of the present and future citizens of Brampton.*

*Lost*

**8.        Correspondence**

- 8.1.        Correspondence from Central Peel Secondary School Student, dated December 19, 2019, re: **Proposal to Improve Environmental Issues Within Brampton.**

David Laing, Committee Member, acknowledged the subject correspondence and commended the student's initiative and proposal for an eco-district in Downtown Brampton. Mr. Laing added that such proposals need to be in the context of the 2040 Vision, and suggested that staff communicate with this student and provide information on the delegation process.

The following motion was considered.

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EAC009-2020 That the correspondence from a Central Peel Secondary School Student, dated December 19, 2019, to the Environment Advisory Committee Meeting of February 11, 2020, re: **Proposal to Improve Environmental Issues Within Brampton** be received.

Carried

8.2. Correspondence from David Laing, on behalf of Bike the Creek Organizing Committee, dated January 24, 2020, re: **EAC Participation in 'Bike the Creek' Event – Saturday June 13, 2020.**

David Laing, Committee Member, provided information to Committee regarding the 'Bike the Creek' event, taking place on Saturday, June 13, 2020. He advised this year's theme is "Environmentally Sustainable Communities" and outlined the opportunity for the EAC to participate and operate a booth at this event.

The following motion was considered.

- EAC010-2020
1. That the correspondence from David Laing, on behalf of Bike the Creek Organizing Committee, dated January 24, 2020, to the Environment Advisory Committee Meeting of February 11, 2020, re: **EAC Participation in 'Bike the Creek' Event – Saturday, June 13, 2020** be received;
  2. That the Environment Advisory Committee participate in the 'Bike the Creek' event taking place on Saturday, June 13, 2020; and
  3. That plans and preparations for this event be referred to the Events Sub-Committee.

Carried

9. **Question Period – nil**

10. **Public Question Period**

In response to a question from the public regarding methods for measuring sustainability in local businesses, Michael Hoy, Supervisor, Environmental Planning, provided information regarding Partners in Project Green, which has the largest eco-business zone and monitors and assists businesses with sustainable practices. In addition, Mr. Hoy provided information on the City's Community Energy and Emissions Reduction Plan (CEERP).

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**11.     Adjournment**

The following motion was considered.

EAC011-2020    That the Environment Advisory Committee do now adjourn to meet again on Tuesday, April 14, 2020, at 6:00 p.m.

Carried

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Preethi Anbalagan, Co-Chair

**Date:** 2020-10-06

**Subject:** **Presentation re: Brampton Grow Green Environmental Masterplan (EMP) Refresh Update**

**Contact:** Stavroula Kassaris, Environmental Planner, 905-874-2083

**Report Number:** Public Works & Engineering-2020-248

**Recommendations:**

1. That the presentation from Stavroula Kassaris, Environmental Planner, to the Environment Advisory Committee of October 13, 2020 re: **Brampton Grow Green Environmental Master Plan Refresh Update** be received.

# Brampton Grow Green Environmental Master Plan

## Action Plan and Metric Refresh Update



# Brampton Grow Green EMP Refresh: **Why**

- To deliver an updated and streamlined Implementation Action Plan that:
  - Supports the Grow Green vision, guiding principles, and goals
  - Reflects knowledge garnered from first 5 years of implementation
  - Aligns with new Term of Council Priorities
  - Connect to City's strategic documents and their long term vision
  - Integrate the community's desired direction for future of Brampton
- To refine metrics and targets

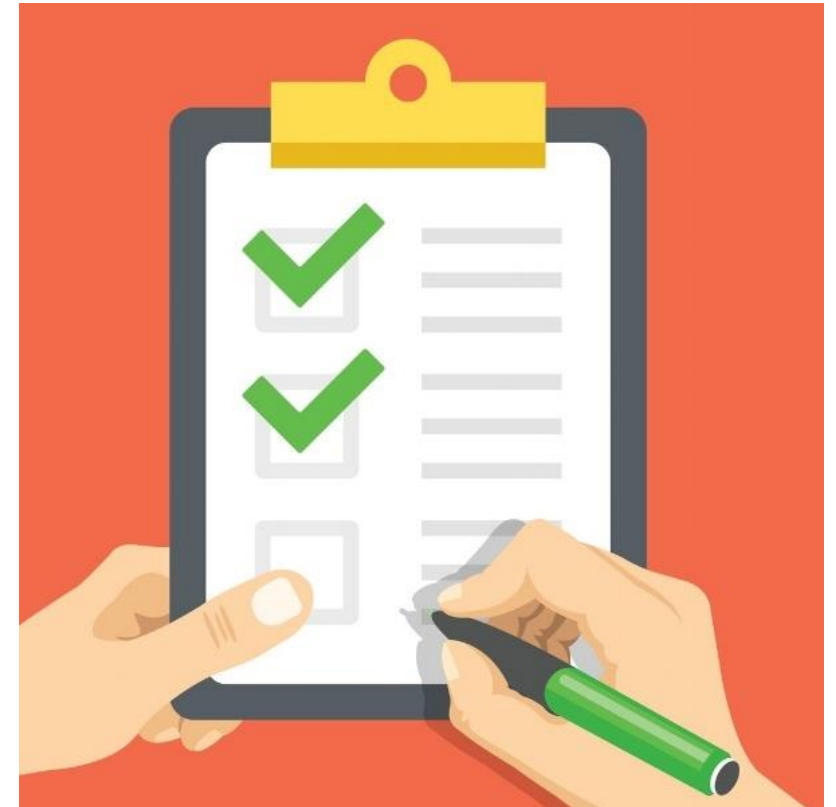


# Brampton Grow Green EMP Refresh: **Process Snapshot**



# Brampton Grow Green EMP Refresh: **Draft Action Plan**

- New Action Plan drafted based on research, benchmarking, consultation
- Removing completed actions, refining existing actions, adding new actions
- Fewer, more impactful actions that will measurably move the city forward



# Brampton Grow Green EMP Refresh: Draft Action Plan

Draft Actions Plan concentrates on:

- Supporting sustainable modes of transportation
- Using water more responsibly
- Improving stormwater management and enhancing water quality in rivers and lakes
- Protecting and enhancing our natural heritage assets
- Increasing community urban agriculture opportunities
- Improving sustainable performance of new neighbourhoods, homes, and buildings
- Retrofitting existing homes, buildings, and neighbourhoods for energy conservation and GHG reduction
- Improving waste diversion at public properties
- Fostering a greener economy
- Understanding and preparing for climate change impacts
- Communicating and celebrating the EMP and environmental actions/achievements



# Brampton Grow Green EMP Refresh: Draft Action Plan Survey

- Public survey developed seeking input on action prioritization
- Accessed through City's EMP and Engage Brampton webpages
- [www.brampton.ca/EMP](http://www.brampton.ca/EMP)
- [www.brampton.ca/engage](http://www.brampton.ca/engage)
- Available for 4 weeks until October 16

Brampton Grow Green Environmental Master Plan Update

During our Brampton 2040 Vision engagement, we heard from Bramptonians that you are passionate about the environment and want the City to be a leader in sustainability. The City's first Environment Master Plan called Brampton Grow Green, released in 2014, included an action plan to improve our environment. To learn more visit [www.brampton.ca/EMP](http://www.brampton.ca/EMP)

We are asking you to provide your input to help us prioritize for a five-year action plan for the next phase of Brampton Grow Green. This survey should take approximately 5 minutes to complete. Thank you!

\* Required

1. The following are proposed focus areas of the proposed Environmental action plan. Place them in ranked order, with the focus most important to you at the top, and least important to you at the bottom.

Visit [www.brampton.ca/GreenActionPlan](http://www.brampton.ca/GreenActionPlan) to learn more about the proposed actions for each focus area. \*

1 Supporting sustainable modes of transportation (e.g. transit, walking, cycling)



# Brampton Grow Green EMP Refresh: **How You Can Help**

- Take the survey
- Encourage your family and friends who live in Brampton to take the survey
- Promote the survey on your social media



# Brampton Grow Green EMP Refresh: **Next Steps**

- Revise draft Action Plan based on survey results
- Finalize the EMP Action Plan and Metric Refresh report
- Present EMP Action Plan and Metric Refresh report to BEAC for endorsement (Dec 2020)
- Present EMP Action Plan and Metric Refresh report to Committee of Council for endorsement (Jan 2021)



Thank you: Questions?



**Date:** 2020-10-13

**Subject:** **Community Energy and Emissions Reduction Plan (CEERP)**

**Contact:** **Pam Cooper, Environmental Planning,**  
**pam.cooper@brampton.ca**

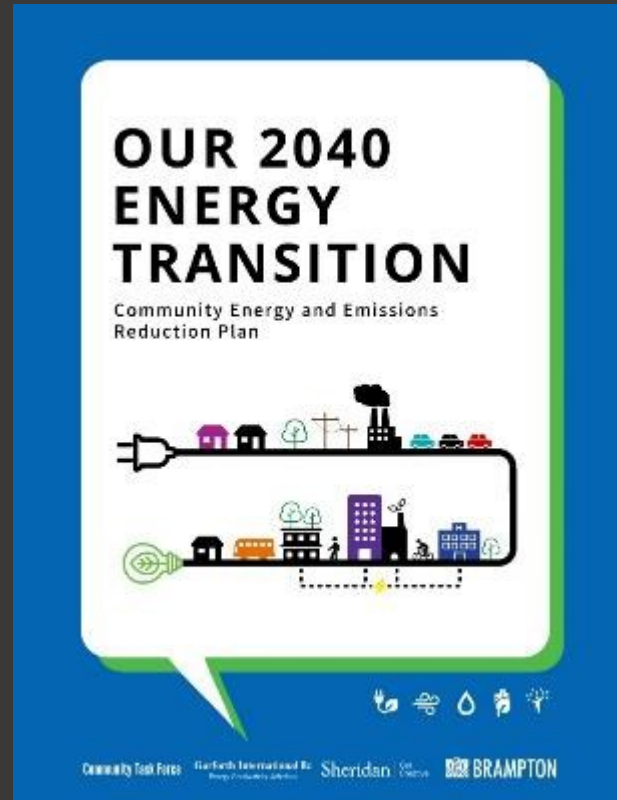
**Report Number:** Public Works & Engineering-2020-230

**Recommendations:**

1. That the presentation by Pam Cooper, Environmental Planner, Environment & Development Engineering Division, Public Works & Engineering Department, to the Environment Advisory Committee Meeting of October 13, 2020, re: **Community Energy and Emissions Reduction Plan (CEERP)** be received.

# Community Energy & Emissions Reduction Plan

BEAC  
October 13, 2020



# CEERP

- Partnerships
- Foundational document
- History of municipal leadership on climate change



# CEERP: Brampton's Response to the Climate Emergency

## Brampton City Council Declares Climate Emergency

by Dylan Olley on June 6, 2019  
In News, Hot Topics, Politics

[Like](#) [Share](#) [Tweet](#)



The Brampton City Council is looking to take action against climate change.

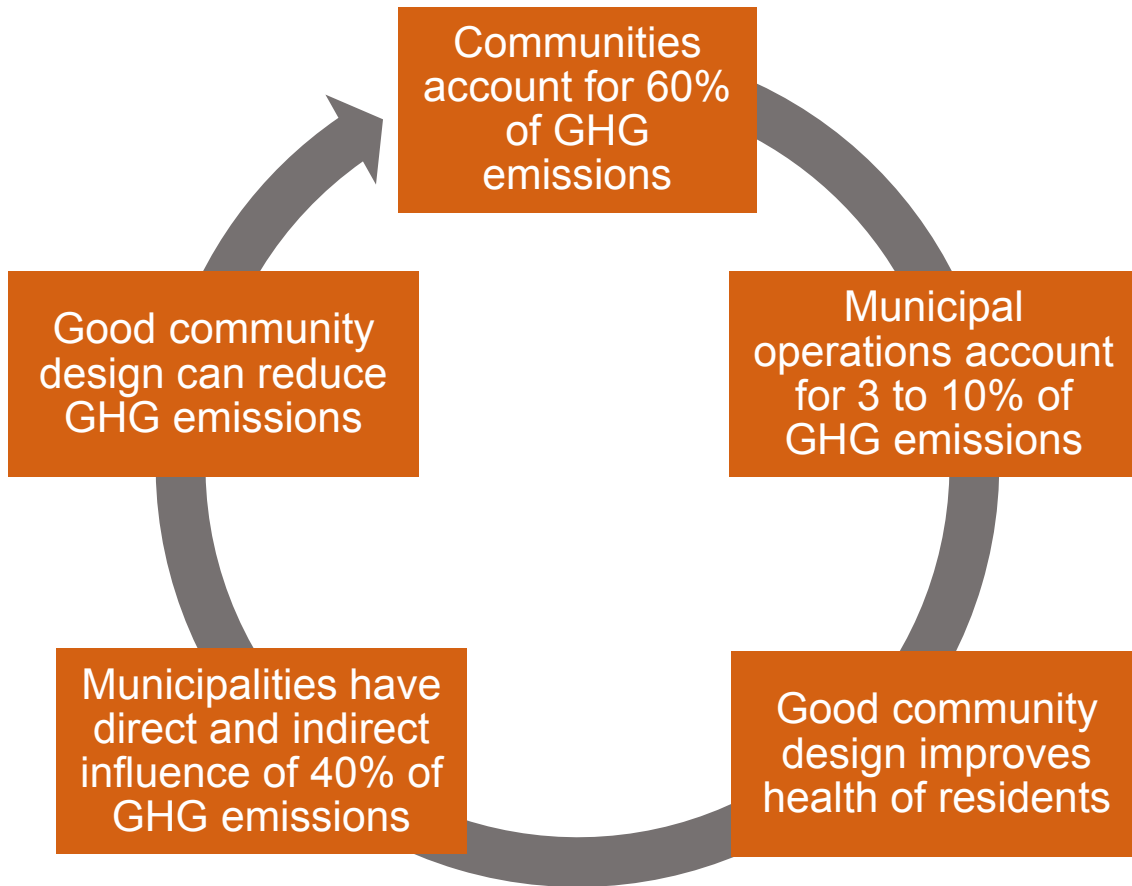


# Co-Benefits

- Environmental
- Social
- Health
- Economic



# Local Planning Matters



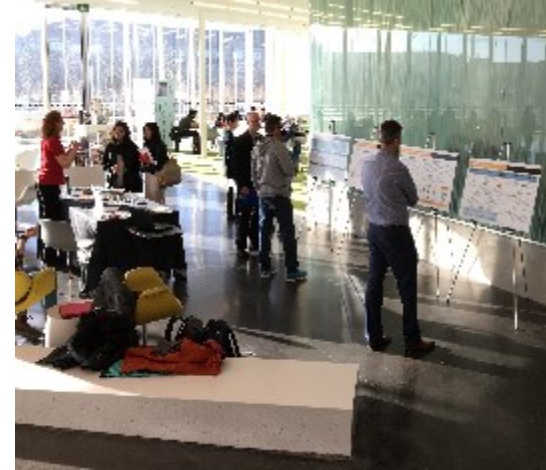
- Economic, environmental, social, and cultural outcomes:
- Healthier communities, denser, convenient, more housing choices, local jobs
- More transit, cycling, and walking
- Reduced energy costs
- Attract new business and create green jobs
- Improve building energy efficiency
- Achieve international GHG reduction targets
- Increase energy security
- Enhance climate change resilience

# Community Task Force

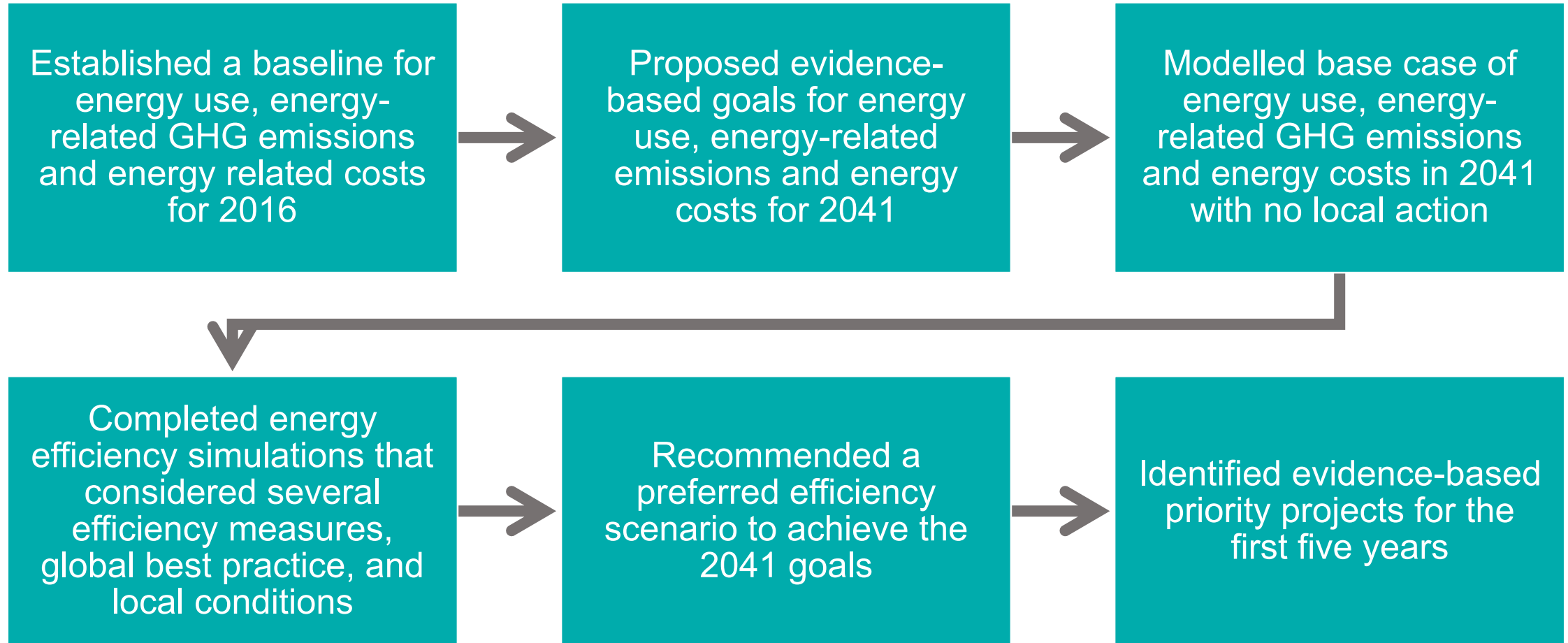


# Engagement

- Council workshops
- Departmental/divisional consultations
- Environment Advisory Committee meetings
- Stakeholder presentations (Association of Energy Engineers, Partners in Project Green, BILD, York University)
- CEERP Task Force meetings
- Nordic City Solutions workshop
- Grow Green Team meetings
- Community Survey
- Mapping workshop
- Public events (tree plantings, open houses, Vision Celebration, Public Works week, Heart Lake Run, Farmers Market)
- Public information sessions
- Social media (Twitter, Instagram, Facebook)

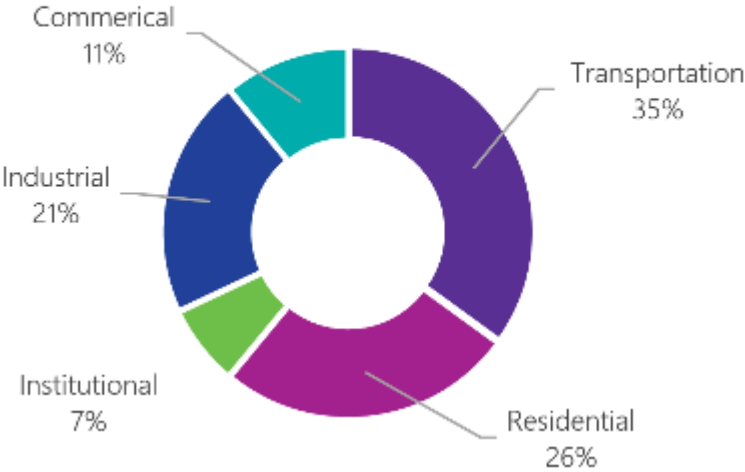


# Evidence Based Process

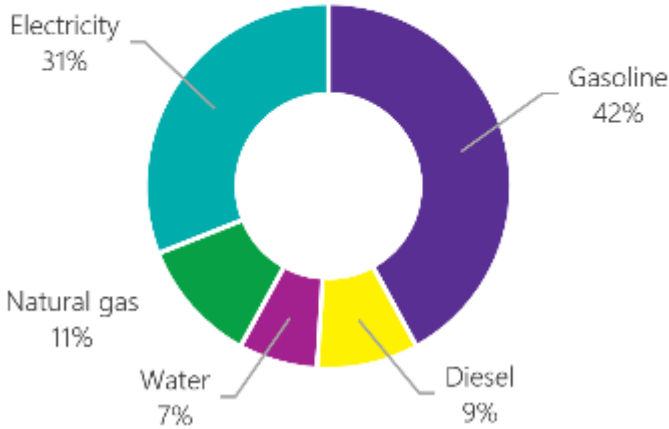


# 2016 Base Case

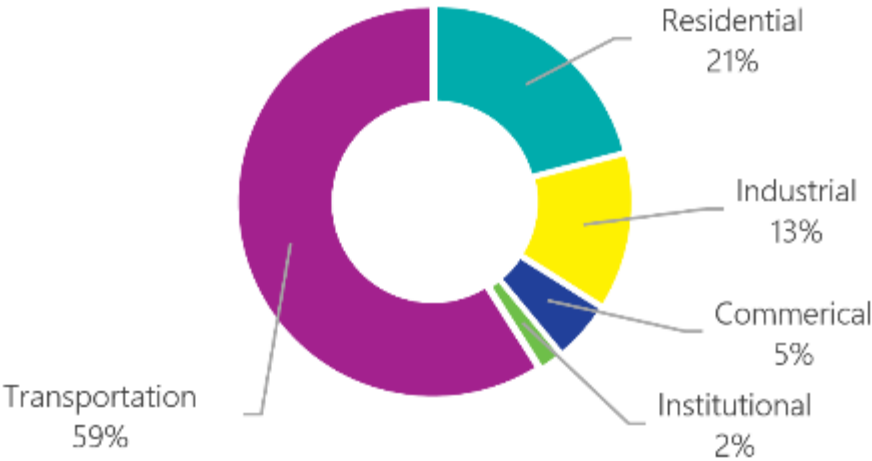
**Brampton Source Energy Use by Sector, 2016**



**Brampton Energy Costs by Utility, 2016**



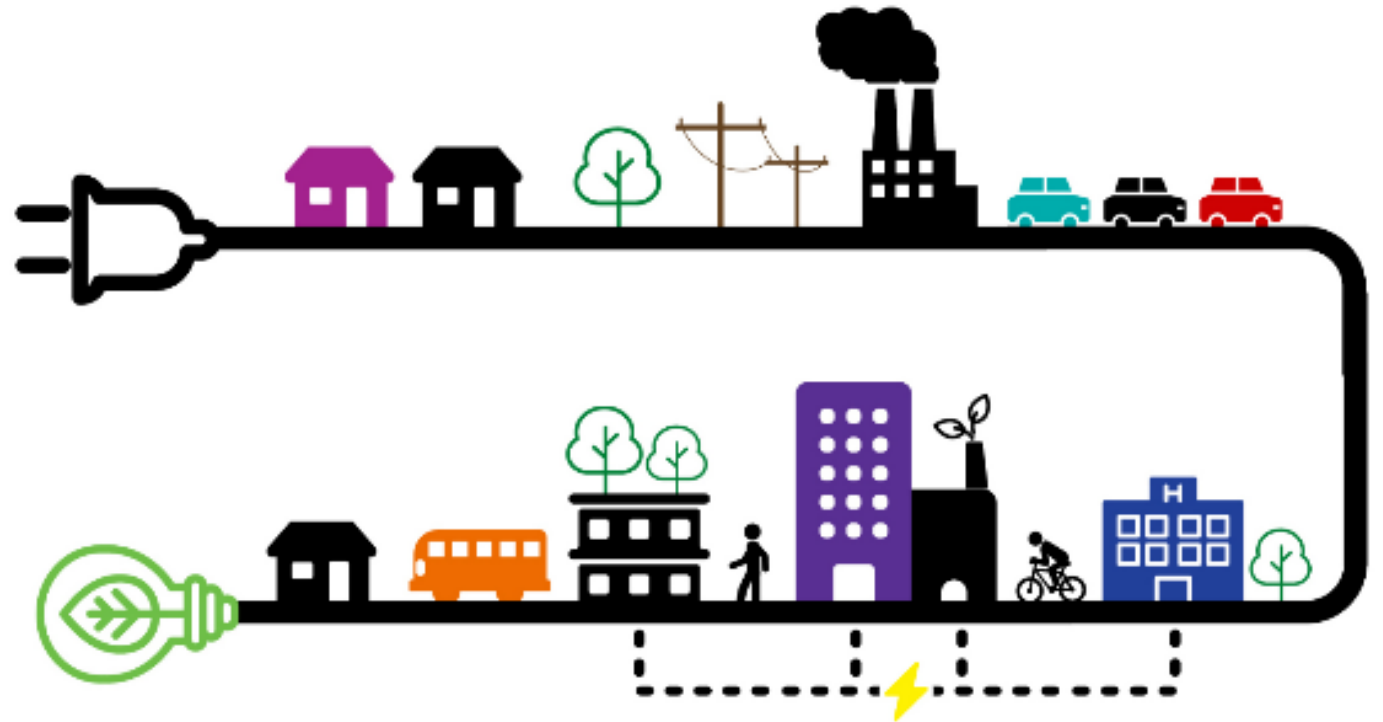
**Brampton Emissions by Sector, 2016**



# CEERP Framework

Addressing the Climate Change  
Emergency requires:

- Urban transition
- Energy transition
- Community commitment and collaboration



## ENVIRONMENTAL

Work towards climate neutrality

## ENERGY

Benchmark energy performance  
against global best practice

## ECONOMIC

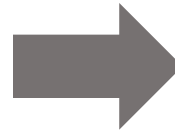
All energy related public and private  
sector investments will meet  
acceptable risk-adjusted returns

Energy costs will be competitive  
compared to comparable North  
American communities

Local employment will be generated

## RELIABILITY

Energy systems will be designed to  
meet the challenges of changing user  
expectations, climate uncertainty and  
new technology options



## Energy

Based on global best-practices, reduce  
community-wide energy end use by at  
least 50% from 2016 levels by 2041.

## Emissions

Reduce community-wide emissions by  
50% from 2016 levels by 2041, and  
establish a pathway to reduce emissions  
by at least 80% by 2050 to meet or  
exceed federal and provincial targets.

## Economic

Retain at least \$26 billion in  
cumulative energy costs within the  
community by 2041.

# Strategic Directions



**GREEN  
COMMUNITIES**



**TRANSPORTATION  
EFFICIENCY**



**HOME AND BUILDING  
EFFICIENCY**



**LOCAL ENERGY SUPPLY  
AND DISTRIBUTION**



**INDUSTRIAL  
EFFICIENCY**



**GREEN  
INFRASTRUCTURE**



**COMMUNICATION,  
ENGAGEMENT, AND  
MONITORING**

# 2041 Targets

## Green Communities

- Attain near net-zero GHG emissions for new communities in Heritage Heights, and new buildings in Town Centres and Major Urban Growth Areas

## Home and Building Energy Efficiency

- **Retrofit 80% of homes to achieve a 35% efficiency gain**

## Transportation

- Reduce trip lengths by 3.75%
- Increase Active Transportation to 7%
- Increase trips using Brampton Transit to 9%
- Increase trips using GO transit to 8.5%



# 2041 Targets

## Industrial Efficiency

- Achieve a 20% industrial sector efficiency gain from 2016 levels

## Energy Supply and Distribution

- Increase solar energy by 8%
- Serve 80% of new growth areas with district energy
- Serve 70% of existing high growth areas with district energy

## Green Infrastructure

- Plant 1 million trees by 2040
- Increase restoration and enhancement management to 45 ha/year
- Determine dollar value for the city's natural assets



# Priority Projects

1. Ensure City of Brampton policies and programs are aligned with supporting the CEERP objectives and targets;
2. **Establish a system to deliver standardized retrofits to Brampton homes;**
3. Update the Transportation Master Plan (TMP) to reflect complete streets and the integrated nature of mobility and built form;
4. Integrate District Energy Systems in appropriate locations within Brampton;
5. Develop Integrated Energy Master Plans for public facilities and private development; and
6. Establish a Community Organization to lead the development and implementation of select priority projects (CCET).

# Action Plan

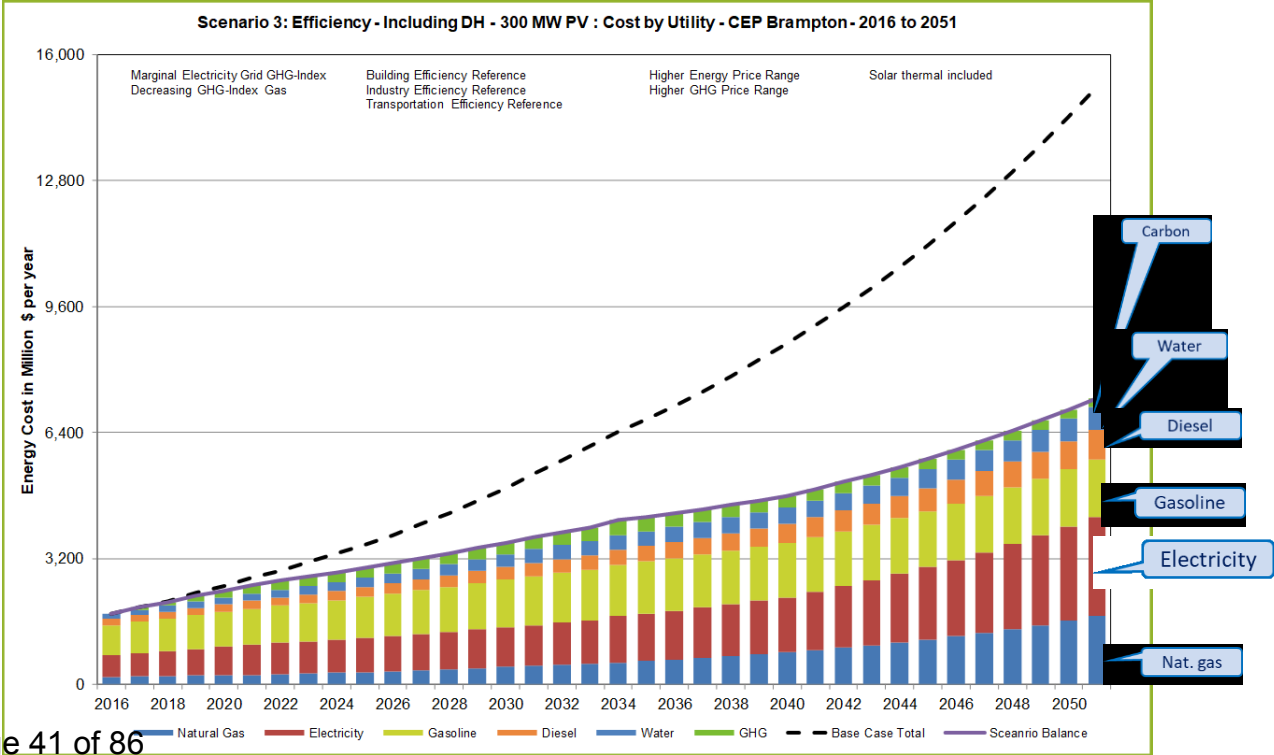
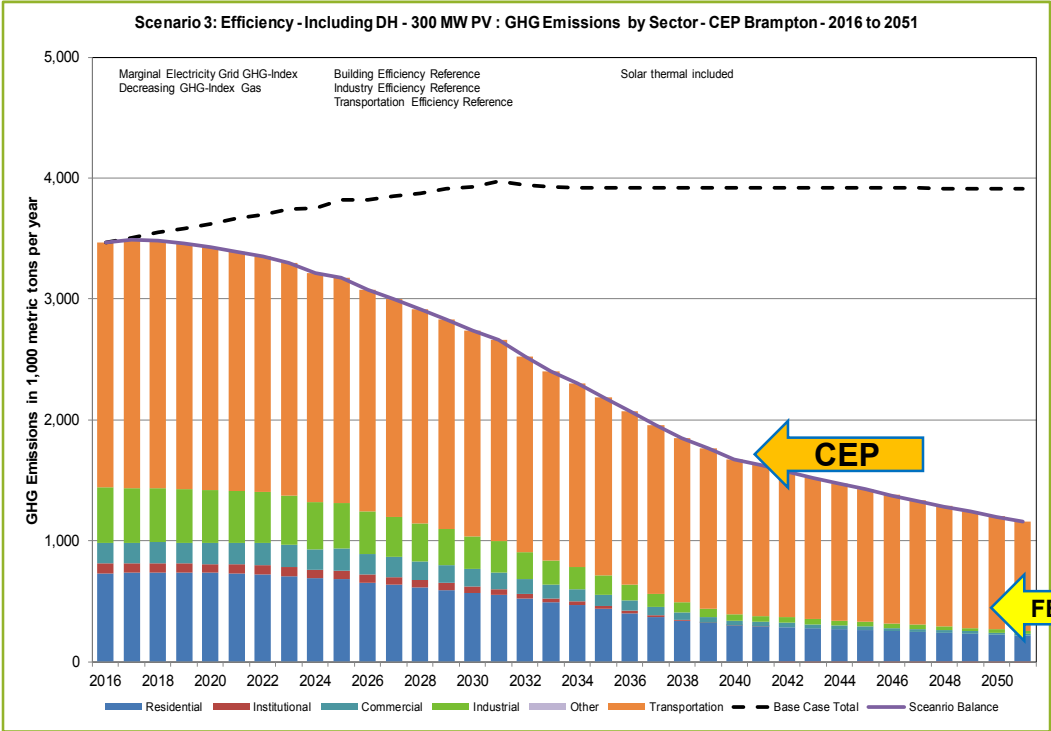
- Five year action plan
- Actions for each strategic direction
- Identifies leads and partners
- Example actions:
  - Implement Active Transportation Master Plan
  - Integrated Energy Plan for Shoppers World redevelopment
  - Launch electric buses and charging stations
  - Grow City-owned EV Charging stations
  - Update City's Sustainability Metrics
  - Undertake Heritage Heights Community Energy Plan

| Local Energy Supply and Distribution |                                                                                                                                                                                                                                                                                      |      |                    |             |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------|-------------|
| #                                    | Action                                                                                                                                                                                                                                                                               | Lead | Partner(s)         | Timeline    |
| Corporate                            |                                                                                                                                                                                                                                                                                      |      |                    |             |
| 5.1.1                                | Complete Integrated Energy Management Plans for priority municipal facilities to align with the targets of the Corporate Energy and Emissions Management Plan 2019-2024: A Zero Carbon Transition and the CeEMP. <sup>12</sup>                                                       | COB  | COMM, DEV          | Medium-term |
| 5.1.2                                | Investigate distributed energy options for City facilities, including solar, geothermal, and waste heat recovery.                                                                                                                                                                    | COB  | COMM               | Medium-term |
| District Energy                      |                                                                                                                                                                                                                                                                                      |      |                    |             |
| 5.2.1                                | Develop business cases for District Energy System, including but not limited to, low carbon fuel options (e.g. geothermal, heat recovery, wastewater heat recovery, solar PVT, and hybrid of PV and thermal) in areas identified in the CEEEP energy district mapping. <sup>13</sup> | COMM | COB, DEV, ROP, BUS | Short-term  |
| 5.2.2                                | Investigate the requirements for the use of City road right-of-ways for the purposes of installing district energy infrastructure. <sup>14</sup>                                                                                                                                     | COB  | ROP                | Medium-term |
| 5.2.3                                | Develop a Business Case for establishing a district energy company to distribute thermal energy to homes and buildings. <sup>15</sup>                                                                                                                                                | COM  | COB, ROP, UI       | Short-term  |
| 5.2.4                                | Identify and pursue opportunities for combined heat and power (CHP) partnerships for district energy. <sup>16</sup>                                                                                                                                                                  | COB  | COMM               | Medium-term |

| Industrial Efficiency |                                                                                                                                                                         |      |                |             |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------|-------------|
| #                     | Action                                                                                                                                                                  | Lead | Partner(s)     | Timeline    |
| Corporate             |                                                                                                                                                                         |      |                |             |
| 6.1.1                 | Implement an economic development marketing campaign highlighting Brampton energy advantages as an incentive to locate business in this city.                           | COB  | COMM           | Medium-term |
| 6.1.2                 | Establish or join an existing community of practice for facility energy managers from public and private sectors to share local industrial energy management expertise. | COMM | BBOT, DEV, APG | Short-term  |
| 6.1.3                 | Develop a comprehensive inventory of large energy users in Brampton.                                                                                                    | COMM | COB            | Medium-term |
| 6.1.4                 | Develop a comprehensive inventory of "green" employers in Brampton.                                                                                                     | COMM | COB            | Medium-term |

# CEERP: Energy and Emissions

- GHG Emission reduction of 50% by 2041
- Potential cumulative energy savings of \$26 billion by 2040



# Resolution

- Community Energy and Emission Reduction Plan and its Priority Projects be endorsed by Council;
- commit staff resources and capital funding towards the immediate development and implementation of the Community Energy and Emissions Reduction Plan's six priority projects, which include:
  - Ensuring the City of Brampton policies and programs align with supporting the CEERP Objectives and Targets;
  - **Establishing a system to deliver standardized retrofits to Brampton homeowners;**
  - Updating the Transportation Master Plan (TMP) that prioritizes safer, healthier and more environmentally efficient movement of people which also reflects complete streets and the integrated nature of mobility and built form;
  - Integrating District Energy Systems in appropriate locations within Brampton;
  - Developing Integrated Energy Master Plans for public facilities and private development; and
  - Establishing a community organization to lead the development and implementation of select priority projects.
- That the following interim and total targets be approved:
  - to reduce greenhouse gas (GHG) emissions by 30% from 2016 levels by 2030;
  - to reduce greenhouse gas (GHG) emissions by 50% from 2016 levels by 2040, and
  - to establish a pathway to reduce greenhouse gas (GHG) emissions by at least 80% by 2050; and
- That staff be directed to update the Official Plan, as part of the Brampton 2040 Official Plan Review, to reflect the principles, goals, strategic directions and targets of the Community Energy and Emissions Reduction Plan

# Moving Forward

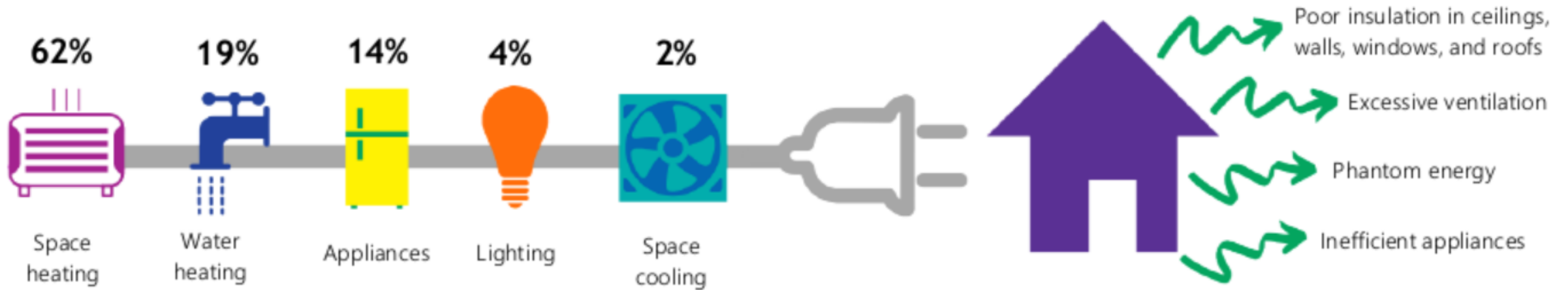
- Municipal resources through corporate Green Team
- Implement Action Plan
- Implement Priority Projects
- Ensure municipal policy/program alignment
- Work to establish CCET
- Develop District Energy Business Case
- **Continue to develop Home Retrofit Business Case**
- Monitor progress/report back
- Communication/outreach



# Home Energy

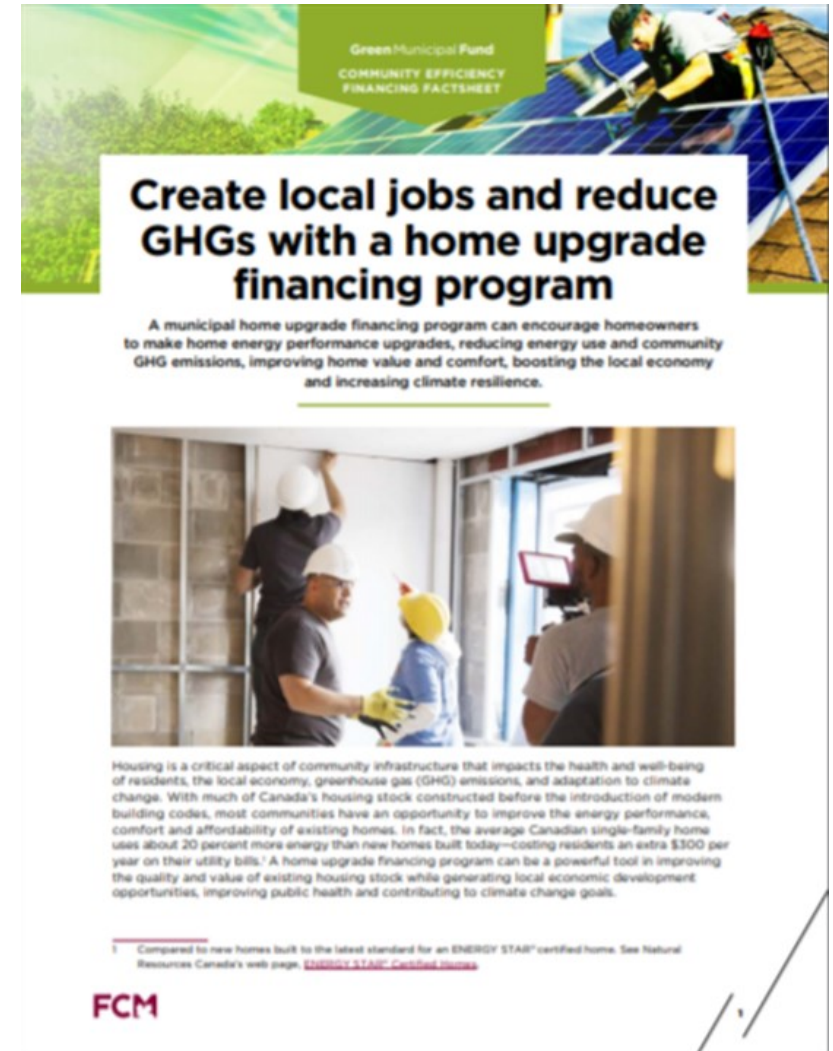
How Do Canadian Homes Use Energy?<sup>9</sup>

How Do Canadian Home Lose Energy?



# Residential Energy Efficiency Program

- On average, homes and buildings in Brampton are approx. half as efficient as global benchmarks
- Residential buildings: 2<sup>nd</sup> highest energy use, energy cost and emissions
- Funding Opportunity with the Federation of Canadian Municipalities (FCM) to design a home retrofit program
- Brampton, in partnership with Mississauga and Caledon, is submitting a funding application to complete a **design study in 2021**.
  - The **Design Study** will use market information and research to advance the design of a home retrofit program to meet the needs and priorities of the three regional partners



# Home Retrofit Program

## What is a home retrofit program?

- A financial program that drives investment in home energy performance upgrades

## Three main types:

- 
- **Property Assessed Clean Energy (PACE)** - most popular option. Uses a municipality's local improvement charge (LIC) mechanism for loan repayment. In this program, a homeowner hires a contractor to upgrade their home and the contractor invoice amount is financed with an annual charge on the property tax bill.
  - **On-bill repayment financing** - allows the cost of the home energy upgrade to be repaid via the homeowner's utility bill. This type of program requires the close participation and partnership of a utility company.
  - **Direct lending** - occurs when a municipality works with a credit union or bank to offer a financial product customized for home energy upgrades. Municipalities can often offer a partial loan guarantee to a lending institution in exchange for attractive rates, good terms, and a convenient homeowner application process.

# Benefits of a Home Retrofit program



## Value for homeowners

- An energy-efficient home is more **comfortable, healthier and affordable**
- A well-designed financing program can offer a comprehensive suite of services **to make upgrading a home simple and easy**
- Municipalities are uniquely positioned to offer services and programs that give homeowners **confidence and peace of mind to undertake a home energy retrofit**



## Climate action and economic recovery

- Home retrofit programs can have deep **and lasting environmental and economic benefits**
- They can **drive significant investment in the local economy** by engaging local energy advisors, suppliers, and contractors to help homeowners save energy



## Community resiliency

- A home retrofit program can encourage homeowners to invest in measures that will **protect homes from extreme weather events** like wind storms, heavy rain, flooding and heat waves **while improving energy efficiency**

# Value Proposition

A **HOME RETROFIT PROGRAM** that can reduce energy consumption and GHG emissions while addressing a number of other public policy goals:

- **Economic development and job creation:** Local contractors complete the home energy upgrades, which means more money circulates in the community.
- **Addressing energy poverty and social equity concerns:** Programs can target low-income homeowners, offering an opportunity to lower energy bills.
- **Neighbourhood revitalization:** Programs can focus on improving the health and vitality of specific neighbourhoods, achieving savings on energy upgrades by targeting groups of homes to create economies of scale.
- **Public health:** Retrofitted homes have better comfort and indoor air quality, improving the health and well-being of residents.

# How can BEAC help ?

- Support and promote the CEERP benefits to your networks
- Support the establishment of a Residential Energy Efficiency Program (REEP)
- Promote the REEP and its benefits to Brampton to your networks
- Participate in engagement activities in establishing the REEP

# Thank you

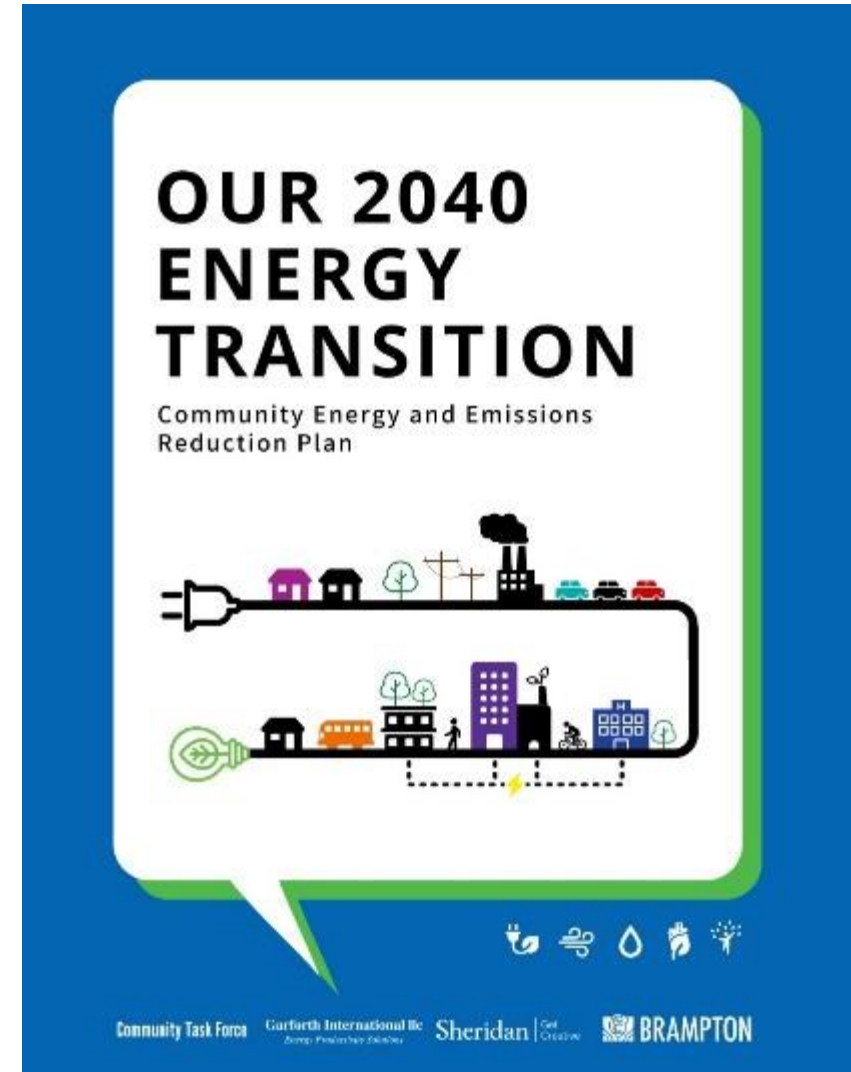
Pam Cooper

Senior Environmental Planner

Public Works and Engineering

[pam.cooper@brampton.ca](mailto:pam.cooper@brampton.ca)

905.874.2265



**Date:** 2020-10-13

**Subject:** Centre for Community Energy Transformation (CCET)

**Contact:** Michael Hoy, Supervisor, Environmental Planning,  
michael.hoy@brampton.ca

**Report Number:** Public Works & Engineering-2020-217

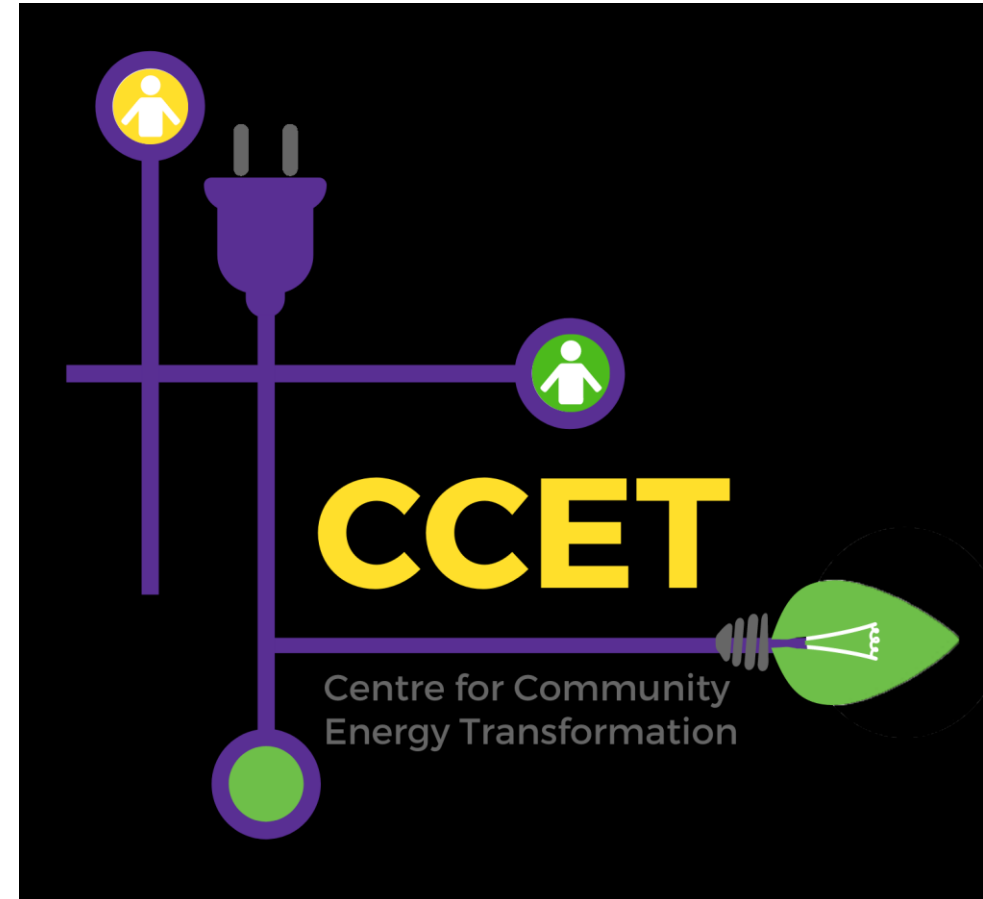
**Recommendations:**

1. That the presentation by Michael Hoy, Supervisor, Environmental Planning, to the Environment Advisory Committee Meeting of October 13, 2020, re: Centre for Community Energy Transformation (CCET) be received.

# Centre for Community Energy Transformation

BEAC

2020.10.13



# Impetus for Centre for Community Energy Transformation (CCET)

- Grow Green: Environmental Master Plan
- 2040 Vision
- 2019 ISB Task Force Council Delegation
- Community Energy and Emission Reduction Strategy



# Why a CCET? Brampton's Climate Emergency

## Brampton City Council Declares Climate Emergency

by Dylan Olley on June 6, 2019  
in News, Hot Topics, Politics

Like Share Tweet



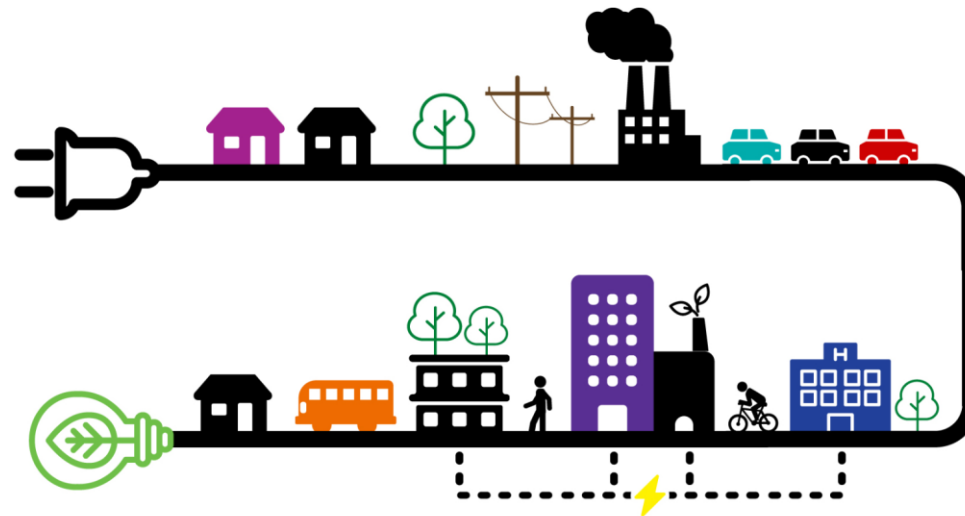
The Brampton City Council is looking to take action against climate change.

| Changes                                                                                                                                                               | Effects                                                                                                                                                                                                                      | Community Impact                                                                                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br>Increase in average summer temperatures<br>More frequent and longer heat waves | <br>Heat islands<br>Health issues                                                                                                         | Increased costs to cool buildings<br>Increased healthcare costs<br>Increased socioeconomic disparity                                                                                                                                 |
| <br>Increase in rainfall<br>More intense storms                                    | <br>Flooding<br>Erosion                                                                                                                   | Cost of disaster relief<br>Cost of infrastructure upgrades<br>Decrease in water quality<br>Potential for loss of land<br>Displacement of residents                                                                                   |
| <br>More unpredictable seasons                                                     | <br>Disrupted growing season<br>Desertification of agricultural fields<br>Disrupted season-dependent industries                           | Increased cost of food<br>Increased food insecurity<br>Reduced equity and health<br>Disrupted economy<br>More economic uncertainty                                                                                                   |
| <br>Increase in winter storm severity                                              | <br>Snow dumps<br>Cold snaps                                                                                                              | Cost of snow removal<br>Higher infrastructure and maintenance costs<br>Less economic activity<br>Increase in social disparity<br>Increase in energy use and associated costs                                                         |
| <br>Milder winters                                                                | <br>More disease-spreading pests survive<br>More invasive species survive                                                                | More human diseases and illnesses<br>Negative economic impact for industries (e.g. agriculture, lumber)                                                                                                                              |
| <br>Increase in average temperatures<br>Changes to local climate                 | <br>Displacement and changes to geographic range of wildlife<br>Changes in distribution of resources<br>Changes in how species interact | More suitable habitat for invasive species<br>Species extirpation or extinction<br>Loss of ecosystem services<br>Increase cost of local infrastructure and city services<br>More human-animal interactions<br>More disease outbreaks |

# CEERP Framework

Addressing the Climate Change Emergency requires:

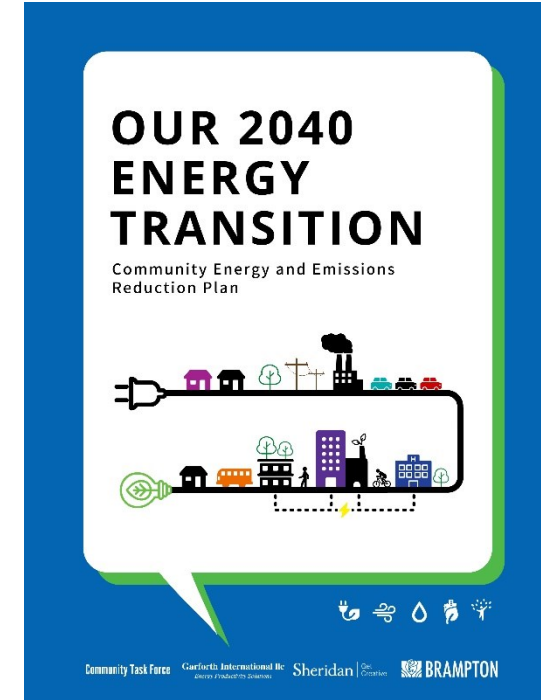
- Urban transition
- Energy transition
- Community commitment and collaboration



# Brampton's Approach to Mitigating Climate Change



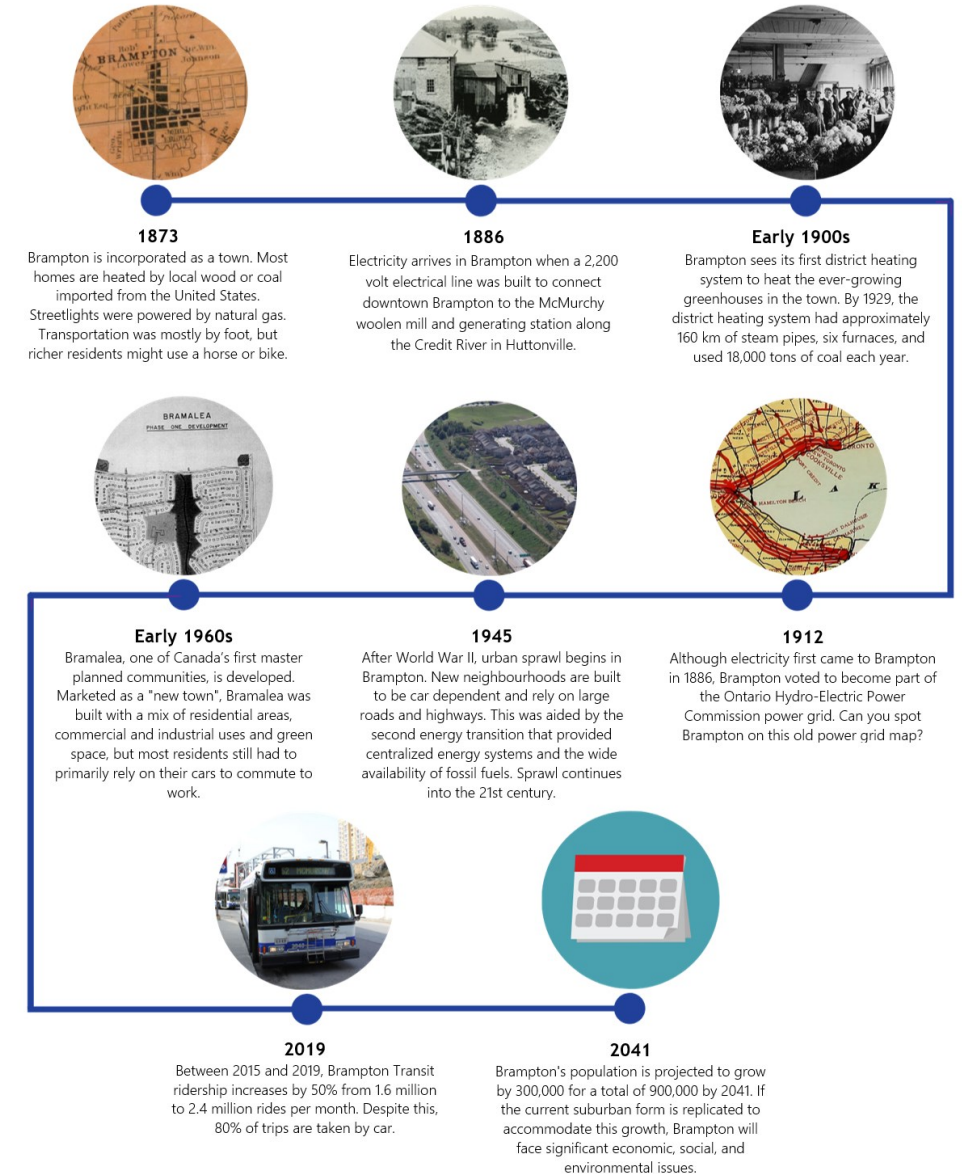
Urban transition =  
Brampton 2040 Vision



Energy Transition =  
Community Energy &  
Emissions Reduction Plan

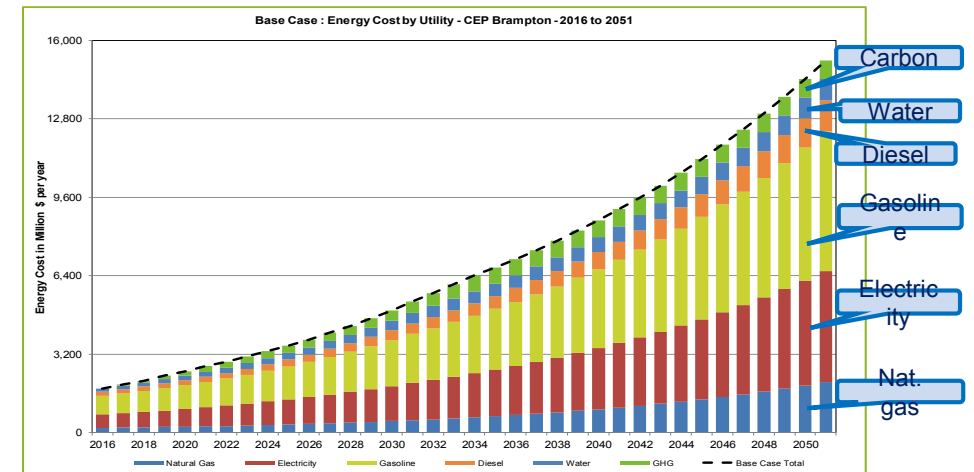
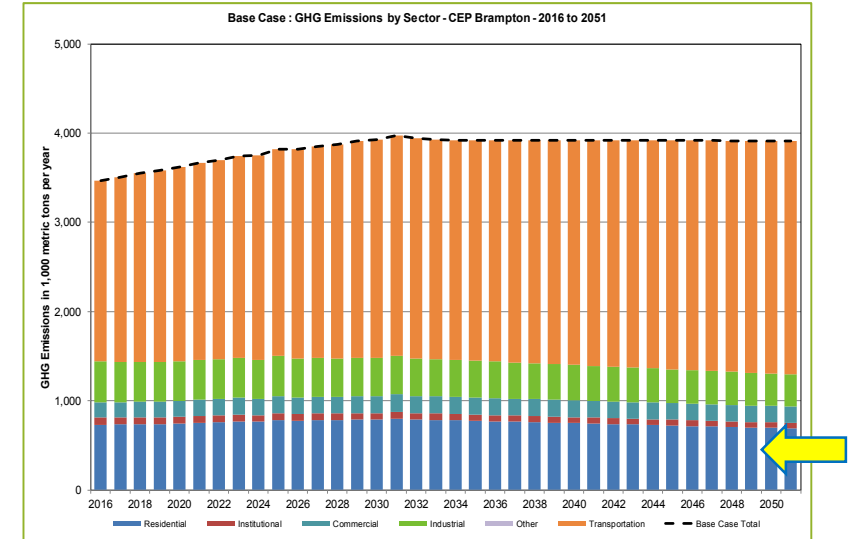
# Energy Transitions

- Two previous energy transition in the last 100 years
  - 1<sup>st</sup>: wide scale use of coal and steam power
  - 2<sup>nd</sup>: move to centralized energy systems and use of fossil fuels
- Current transition involves:
  - Decarbonization of energy
  - Distributed energy generation
  - Deep building retrofits



# CEERP: Energy and Emissions

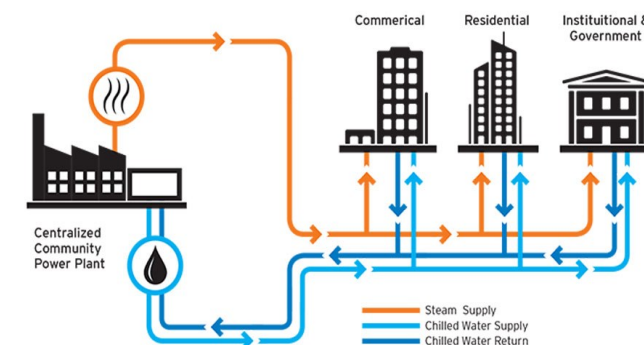
- Brampton spends +\$1.8 billion on energy
- ~ 80% of those energy dollars leave the city
- Energy costs projected to quadruple by 2050
- 5.6 tonnes CO<sub>2</sub>e of GHG per resident (Ontario = 3.7t /capita)
- Brampton buildings ½ as efficient as global best practices
- Transportation sector almost 60% of GHGs



# CEERP Priority Projects

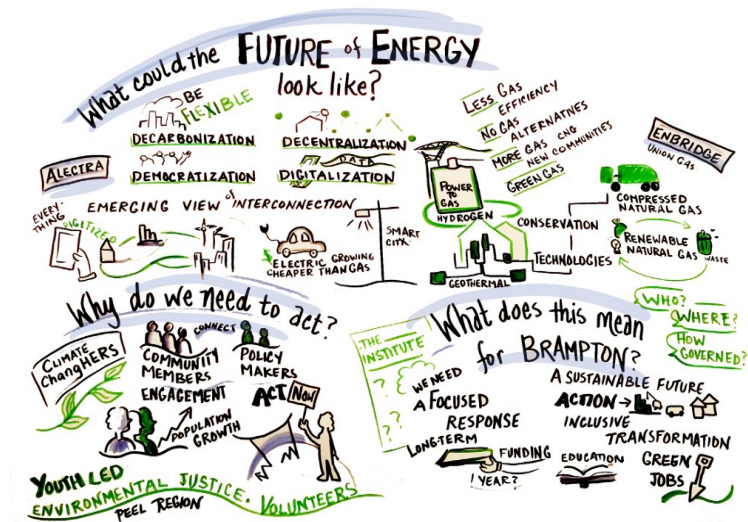
Implement in the next 5 years:

- Align City policies/programs to support CEERP targets
- Establish a standardized Home Retrofit Program
- Update Transportation Master Plan
- Integrate District Energy Systems into City/Town Centres
- Develop Integrated Energy Master Plans
- Establish a Community Organization



# Establish a Community Organization

- Brampton 2040 Vision and 2019 Council direction to investigate establishing a Institute for Sustainable Brampton
- Project Team established with representatives from City, Region, and Sheridan
- Community Workshop held in November 2019 with 50 stakeholders:
  - Focus on energy transition
  - Arms-length from the City
  - Action-oriented
  - Broad support



- CEERP assigns select priority actions to a Community Organization

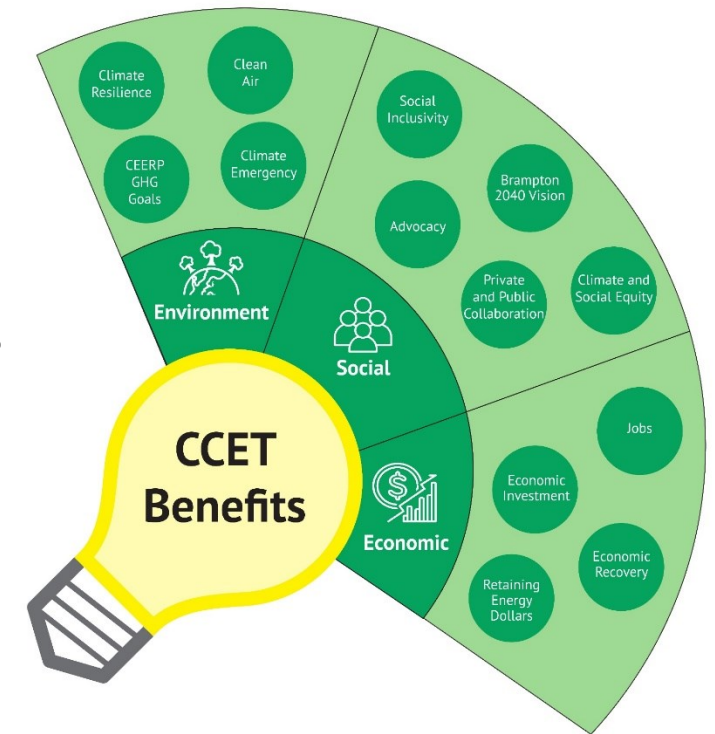
# What is the Centre for Community Energy Transformation (CCET)?

- Non-profit community organization
- Focused on becoming a centre of excellence in energy
- Support Brampton in meeting its climate change targets
- Facilitate community actions to accelerate Brampton's energy transformation
- Collaborate with businesses, developers, utilities, governments, institutions, non-profits, and homeowners
- Develop and deliver energy transformation projects



# CCET: Potential Community Benefits

- Coordinated action to catalyze the energy transformation in Brampton
- Measurable GHG reductions and traceable results
- Green job creation
- Partnerships between governments and other organizations
- Alignment of local efforts
- Community engagement and education
- Opportunity to inspire other (suburban) communities
- Showcase ongoing work
- Learn from each other



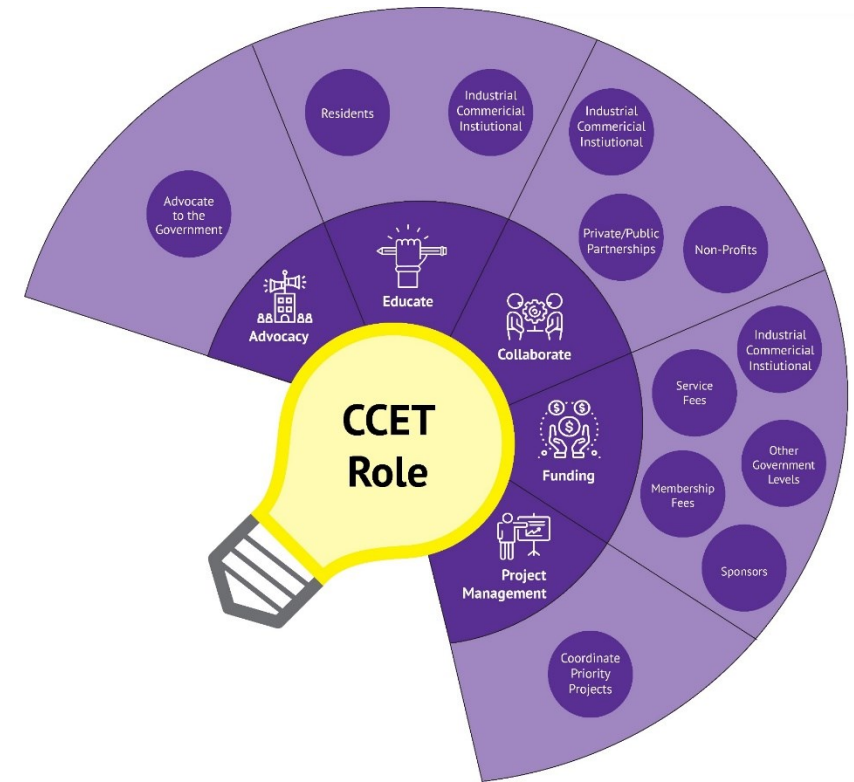
# CCET is About Collaboration

- Working for Brampton's community
- Build network of cross-sector stakeholders and partners
- Secure funding opportunities for private and public sector
- Seek integrated solutions with multiple benefits
- Develop a brand and virtual presence



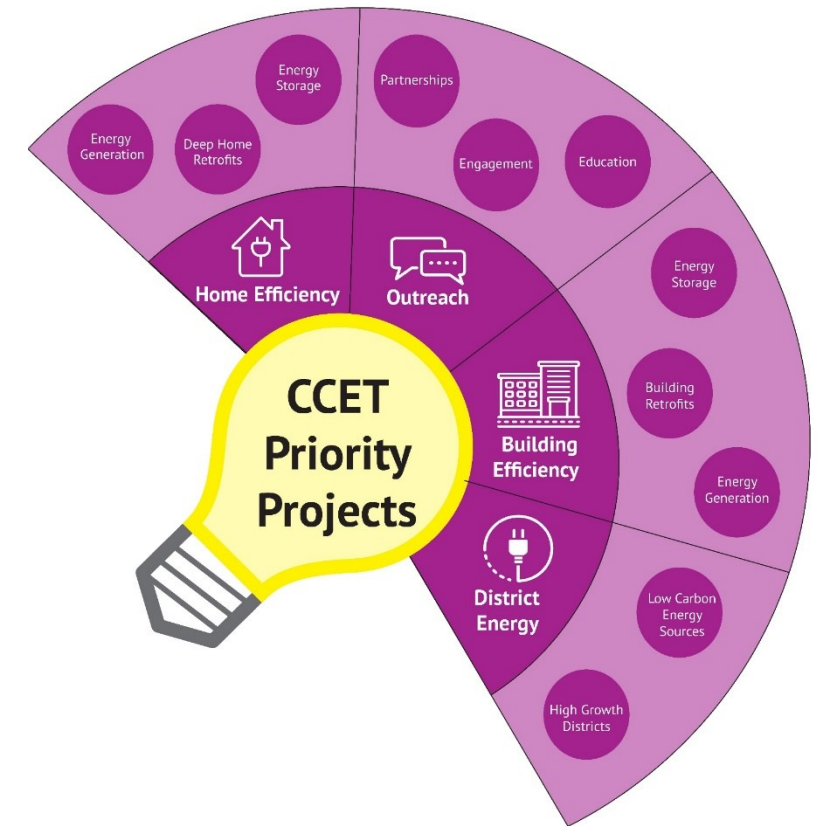
# Role of CCET in Brampton's Energy Transition

- Plan, coordinate, and deliver select 2020-2025 CCERP priority projects
- Advocate for energy investment
- Secure funding opportunities from private and public sector
- Communicate and engage regularly
- Community hub for energy excellence



# CCET Priority Projects

- Home Retrofit Program
- Establish District Energy nodes
- Improve building efficiencies
- Outreach and engagement



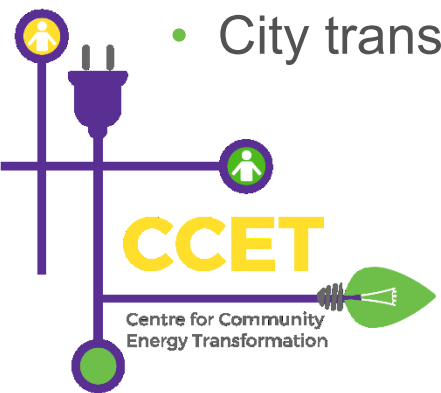
# Establishing CCET: Community Task Force



# Establishing the CCET: 2020-2022

Pending Council approval, CCET Project Team will undertake the following steps:

- Establish community CCET Advisory Task Force from representatives from the CEERP Task Force
- Work on developing a CCET funding model → \$1.1 million over 5 years:
  - \$300,000 in the first year
  - \$200,000 in each of the remaining four years
- Develop organization framework (by-laws, Board manual, ED job description, etc)
- Initiate process to incorporate the CCET as a non-profit organization
- Recruit permanent Board members
- Draft Service Level Agreement
- Hire Executive Director
- City transitions out of its coordination role



# CCET and BEAC

- Support the establishment of CCET
- Promote the CCET and its benefits to Brampton to your networks
- Participate in engagement activities in establishing the CCET



# Thank you

Michael Hoy  
Supervisor, Environmental Planning  
Public Works & Engineering  
City of Brampton  
905-874-2608  
[michael.hoy@brampton.ca](mailto:michael.hoy@brampton.ca)



**Date:** 2020-10-13

**Subject:** Eco Park and One Million Trees Update

**Contact:** Zoe Milligan, Planner I, [zoe.milligan@brampton.ca](mailto:zoe.milligan@brampton.ca)

**Report Number:** Public Works & Engineering-2020-226

**Recommendations:**

1. That the presentation by Zoe Milligan, Planner I, Environment & Development Engineering Division, Public Works & Engineering Department, to the Environment Advisory Committee Meeting of October 13, 2020, re: Eco Park and One Million Trees Update be received.

An aerial photograph of a park area. In the foreground, there's a dense forest of green trees. A winding path leads through the trees towards a body of water. The water is a light blue-green color. In the background, several tall, modern high-rise apartment buildings are visible against a blue sky with scattered white clouds. The text "Brampton One Million Trees & Eco Park Update" is overlaid in a large, white, serif font across the center of the image.

# Brampton One Million Trees & Eco Park Update

Brampton's Environmental Advisory Committee  
October 13<sup>th</sup>, 2020

# Brampton One Million Trees

- Vision 1: Sustainability & the Environment
  - **Action 1: One Million Trees** ←
  - **Action 2: Brampton Eco Park** ←
  - Action 3: Institute for Sustainable Brampton
- One million new trees in the public and semi public realm by 2040

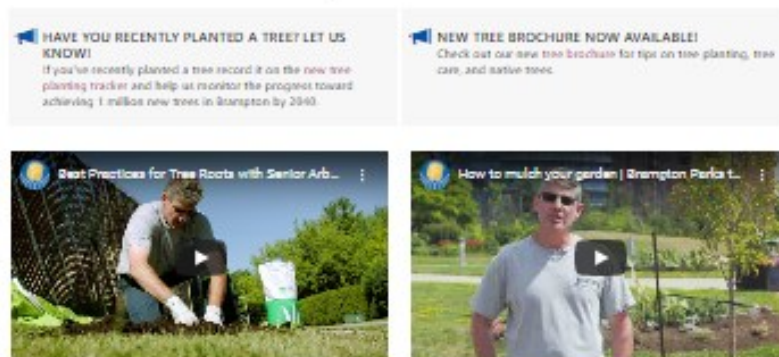




#### LEARN MORE



#### ANNOUNCEMENTS



# Update

- 2019
  - 10 pilot park plantings
- 2020
  - Covid 19
  - Websites: [www.brampton.ca/trees](http://www.brampton.ca/trees)
  - [Online Tree Planting Tracker](#)
  - Tree information brochure
  - Tree month (September)
  - Tree care videos
  - Urban Forest Management Plan (UFMP)

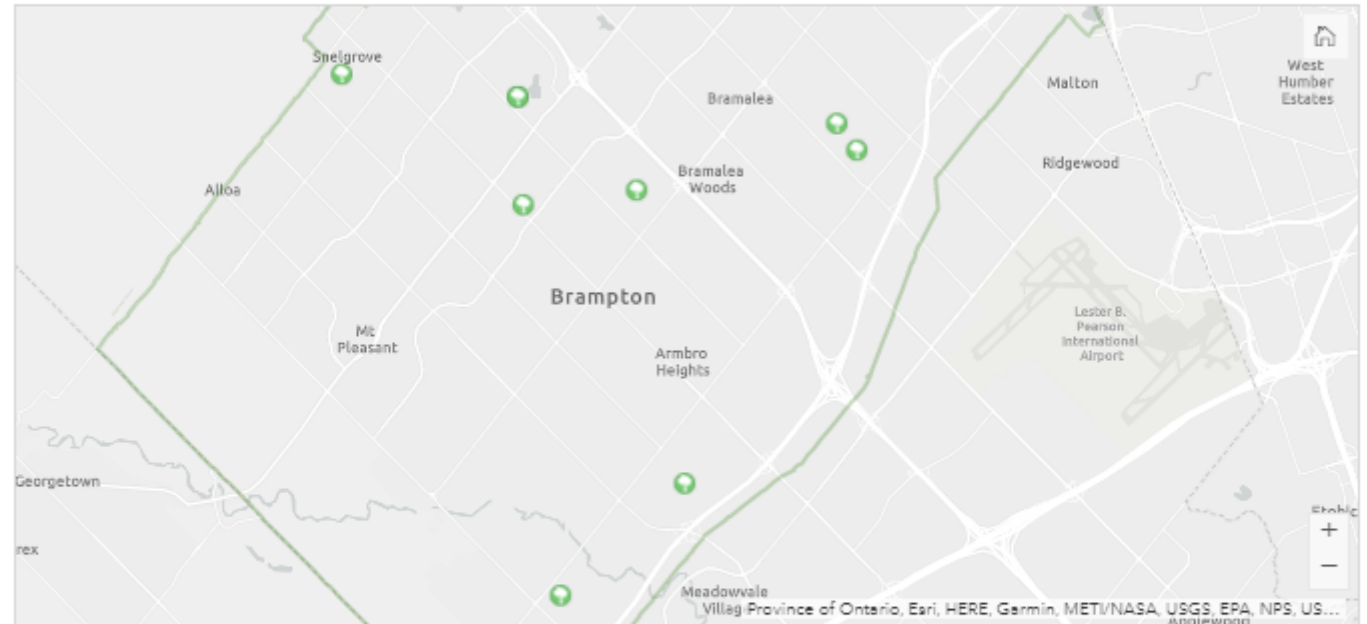
# What's Next

- Fall 2020 plantings
  - 15 parks
  - Street trees and blvds.
- UFMP: Engagement Stage
  - Internal and external stakeholders
  - General public engagement

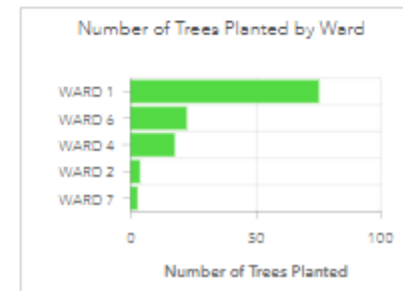
## Have You Recently Planted a Tree? Let us Know!

The City has launched an online tree planting tracker tool to help monitor and report progress toward achieving the one million new tree goal. If you've recently planted a tree, record it on our tree planting tracker.

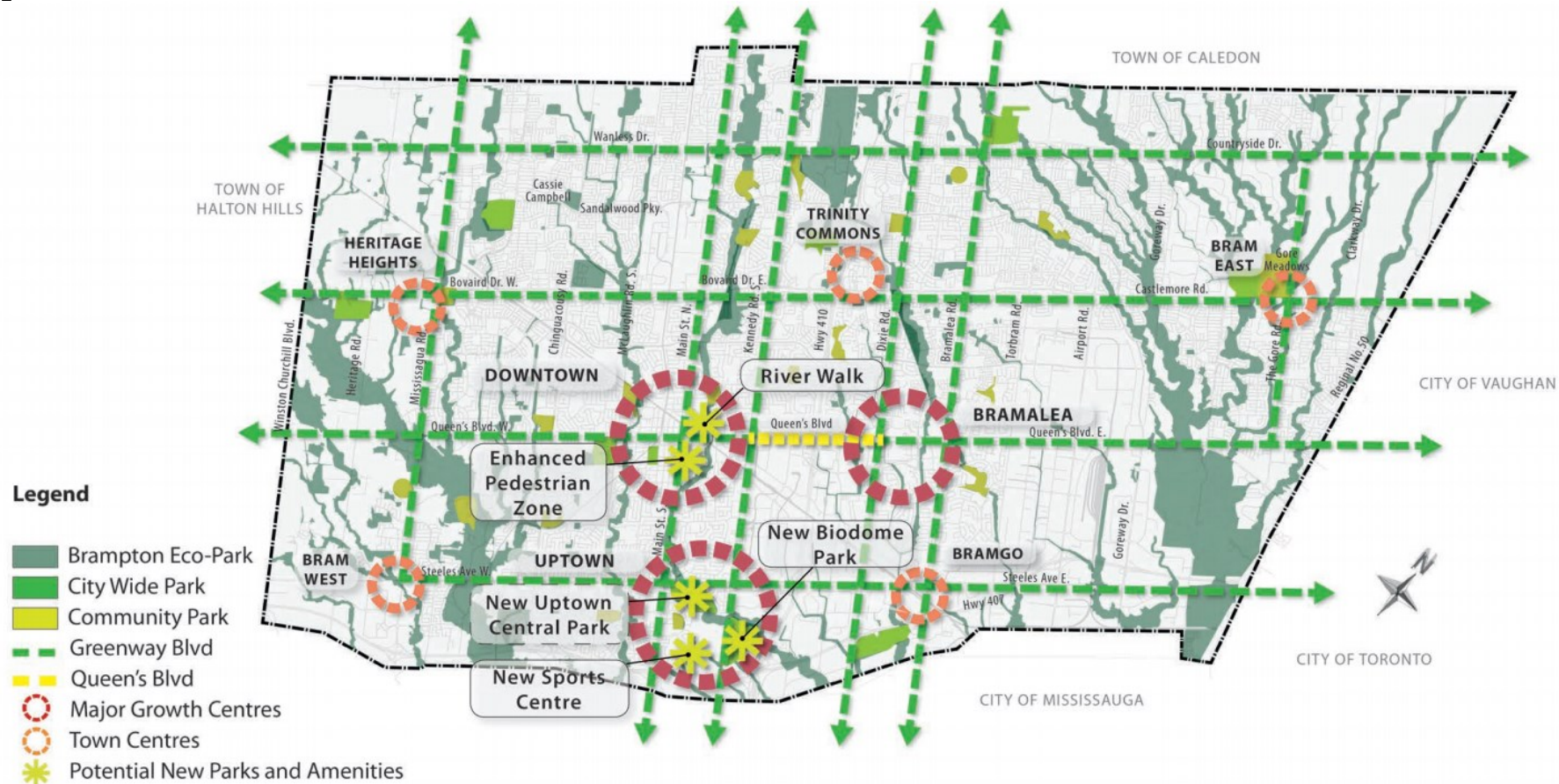
Count My Tree 



 **119**  
Trees Planted



# Brampton Eco Park



***Brampton Eco Park** is a network of sustainable urban spaces that reflects Brampton's character, provides unique social opportunities, and supports city infrastructure while enhancing, re-naturalizing and conserving Brampton's natural landscapes.*

# Eco Spaces



**Nature + People + Principles = Eco Space**

# Principles



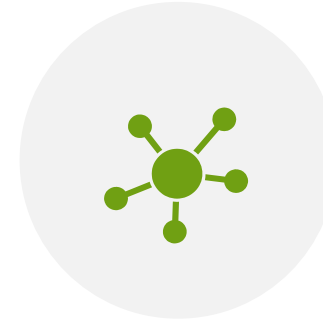
*Maximize  
ecological value*



*Make nature  
visible*



*Design with  
nature*



*Integrate with the  
surrounding  
community*



*Provide  
opportunities for  
social services*



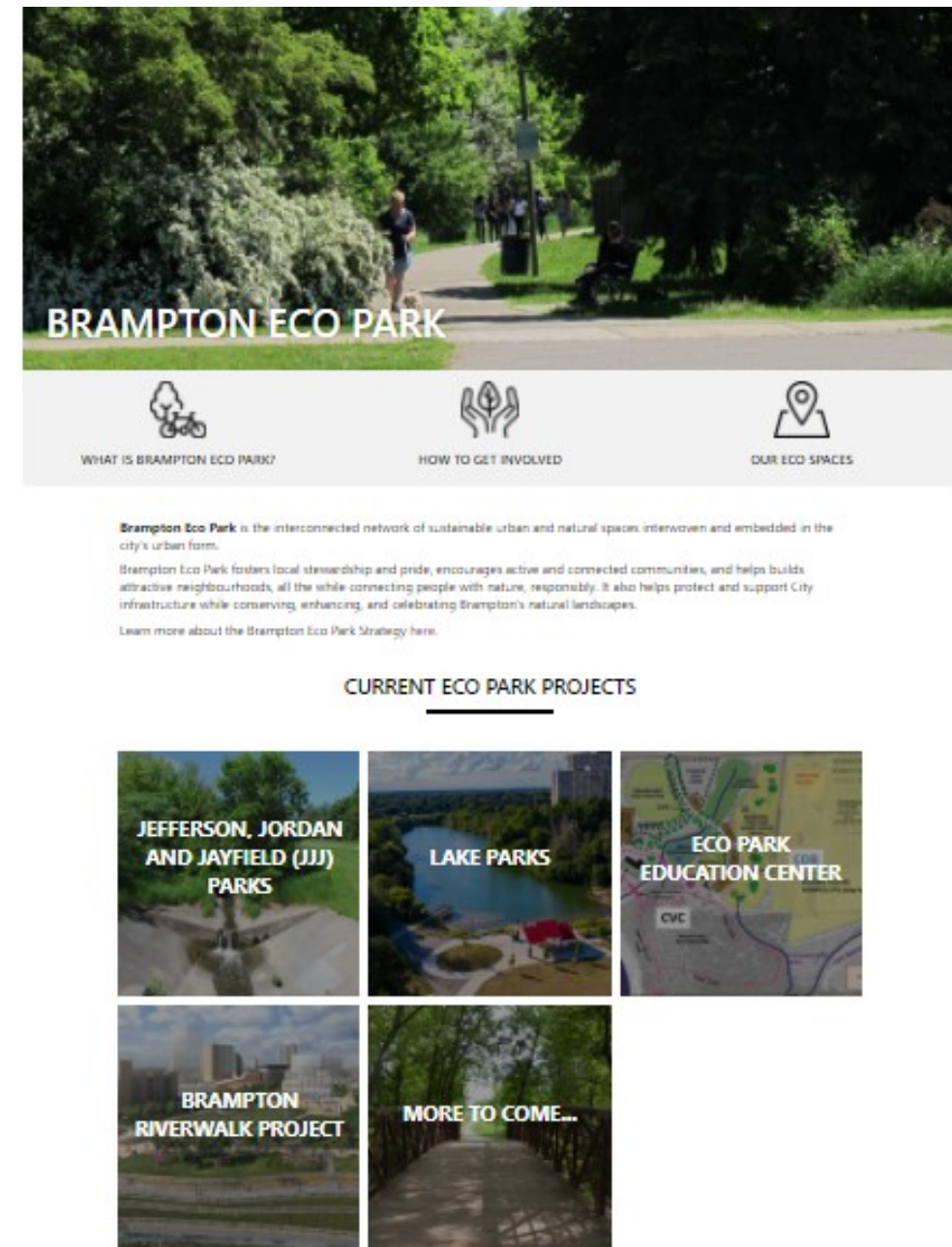
*Support innovation*



*Reflect local  
identity*

# Update

- New website:
  - [www.brampton.ca/EcoPark](http://www.brampton.ca/EcoPark)
- Jefferson, Jordan Jayfield Park
- Lakes Improvement Report
- Education Centre
- Easy Wins – No mow and tree plantings
- Naturalization - Park retrofits - update



# Jefferson, Jordan Jayfield Park Revitalization



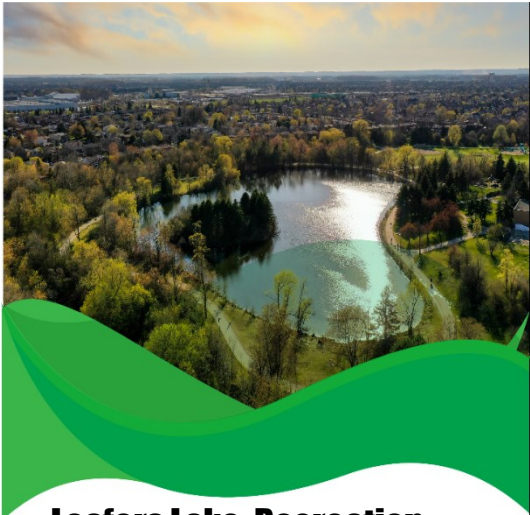
# Lake Enhancement Report



**Professor's Lake: A Day at the Beach**



**Norton Park : The Hidden Gem**



**Loafers Lake: Recreation Meets the Lake**



**Donnelly Ponds: A Natural Oasis**



- New website:
  - [www.brampton.ca/EcoPark](http://www.brampton.ca/EcoPark)
- Jefferson, Jordan Jayfield Park
- Lake Enhancement Report
- CVC Trailhead Education Centre
- Naturalization Program
  - Starting to include tableland parks
- Easy Wins
  - Continued No Mow and tree plantings



Thank You!

Zoë Milligan  
Environmental Planning  
City of Brampton



## Report to BEAC

October 13, 2020

### Members:

David Laing – Chair, Stacey Wilson, Davika Misir, Harry Bridgemohan, Rajbalinder Ghatoura, Kayla Wong (retired), Malcolm Hamilton (retired)

### Sub-committee purpose:

Re-start the Grow Green Network and establish a working plan for its continuation and growth

### Sub-committee meetings

The Grow Green Network Sub-committee had its first meeting in person, February 27, 2020

- David Laing was selected as sub-committee chair
- The group reviewed the history of the Grow Green Network which had met four times during the previous Council term, (2014-2018)
- The committee agreed that a resurrected GGN could benefit the City by engaging residents and organizations about environmental issues in a way that the City could not and by bringing focus to selected environmental projects.

An informal meeting was held on March 8, 2020 at the home of Malcolm Hamilton.

The third meeting was held virtually on April 21, 2020

- It was decided to engage individual residents and organizations in a way that would deliver benefit to the membership.
  - Initial focus would be on bringing organizations together for a re-launch event
  - Organizational structure, governance and format of an on-going relationship with the City would be decided by the GGN membership as opposed to the sub-committee

The fourth meeting was held virtually on May 5, 2020

- Decisions:
  - Organizational members will be recruited from the existing contact list but membership will be open to organizations operating in Brampton with an interest in environmental sustainability and in environmental issues
  - End goal is to engage as many people in Brampton as possible

- Use the GGN as a portal to create the new entity separate from the City
- Survey prospective members to understand their needs and determine what they want to get from network membership. Then position the network deliverables to meet those needs.
- Virtual re-launch event on June 17, 2020

Subsequent meetings were held on May 12, May 19, May 26, June 02, June 10 and June 16, to, review survey feedback, plan details and prep for the June 17 GGN meeting.

Further meetings were held on June 23, June 30, July 7, July 14, July 21, July 28, and August 11 to debrief GGN meeting #1, plan details and prepare for the August 12 GGN meeting.

Additional meetings were held on September 1, and October 5 to debrief GGN meeting #2, set agenda and prepare for the October 7 GGN meeting.

## Grow Green Network Meetings

The Grow Green Network met three times. Next meeting targeted for the first week of December.

### ***GGN Meeting #1 June 17, 2020 Meeting summary, actions and outcomes***

- 40 people, 19 organizations attended
- Keynote presentations given by Stacey Wilson, Friends of Dorchester Park, and Debbie Valentine, UNIFOR West GTA Environmental Council
- Approved the GGN Vision. "Brampton is a **sustainable community** that is healthy and resilient **environmentally, socially and economically.**"
- Approved the GGN Mission. "To **advocate** for, **develop**, and **support, collective actions** including public engagement and education programs **to make Brampton a sustainable community**"
- Discussed survey and established three main objectives for the Network
  - **Networking** for community outreach
  - **Partnering** to strengthen the network and its members
  - **Workshops** to:
    - inform and educate Network members on subjects of interest to them such as: fund-raising, advocacy, communications, etc.
    - provide public education on environmental issues and actions
- Agreed
  - That the Network should move to operational independence from the City
  - To meet every 2-3 months, more often at the beginning to establish momentum
  - To form 4 standing sub-committees as follows:
    - Networking sub-committee
    - Partnerships sub-committee
    - Workshops sub-committee
    - Executive sub-committee (Define organizational model and set a path towards independence from the City)

### ***GGN Meeting #2 August 12, 2020***

- 25 People, 15 organizations attended

- We ran a visualization word poll as an ice breaker, “In one word express how the Grow Green Network can help you realize your most important environmental goal.”
- Responses:
  - EQUITY was the word used most often followed by, Respect, Collaboration, Action
- The group then was arranged into their working groups. Main points covered for each working group were summarized:
  - **Network Group**
    - Action: Need to look at ways to communicate, develop email list and the GGN website
  - **Partnership Group**
    - Action: Perform GAP analysis to compare existing programs to member needs. Develop a template for each member and send out within the next 2 weeks.
  - **Workshop Group**
    - Action: Collect workshop ideas and topics. Develop a quarterly schedule of topics and speakers. Two workshop categories, one for GGN members and one for the general public, (liaise with Network Group on the latter). With Network Group, investigate best practices to engage citizens in environmental issues.
  - **Executive Group**
    - Action: Evaluate organizational models for the network (formal or informal, not-for-profit or partnership) and bring recommendation to the larger network. Investigate sustainable funding models, creating an executive board and creating specific volunteer and or staff positions. Define how the GGN will interact with COB as an independent body.

### ***GGN Meeting #3 October 5 2020***

- 25 people, 18 organizations attended
- COB staff presented updates on:
  - Community Energy and Emissions Reduction Plan
  - Centre for Community Energy Transformation
  - Grow Green Environment Master Plan
  - Urban Forest Management Plan
- Working Group Breakouts
  - Partnership Working Group
    - Developed Network member GAP analysis spreadsheet to be presented at the next GGN meeting
  - Workshop Working Group
    - Reviewed how other cities engage/educate the public on environmental initiatives
    - Determined need for asset map of members expertise and ability to deliver workshops
    - Action plan to determine Workshop schedule
  - Networking Working Group
    - Determine preferred team communication method
    - Discussed work plan, goals and objectives
    - Considered outreach communication strategy

- Action plan to get permission to engage the individual GGN member contacts that the City has
  - Action plan to develop and distribute GGN poster
- Executive Working Group
  - Evaluated organizational structure
    - Incorporate as a not for profit vs partner with one or more existing not-for profit organizations
    - Action: Continue to investigate options and present recommendation at the next GGN meeting.