

Brampton Grow Green EMP Action Plan and Metrics Refresh

Environment Advisory Committee

December 8, 2020





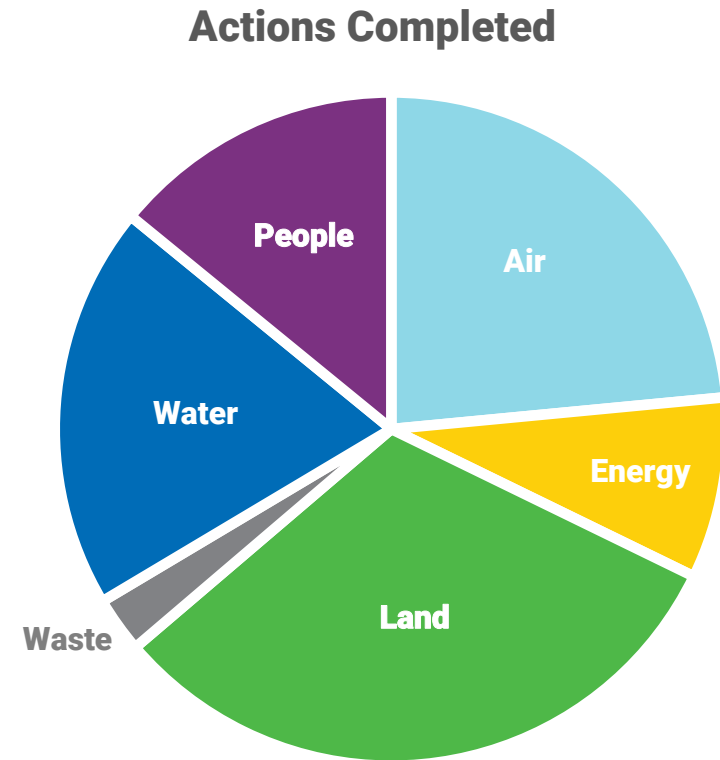
Brampton Grow Green EMP

- City's first comprehensive environmental sustainability framework
- Launch point for variety of City efforts that are making Brampton better for both people and planet
- Living document that should be regularly reviewed and updated
- Brampton Grow Green visions, guiding principles, and core components remain pertinent
- Refresh focuses on Action Plan and Metrics

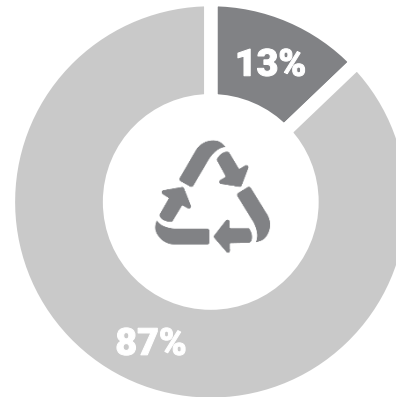
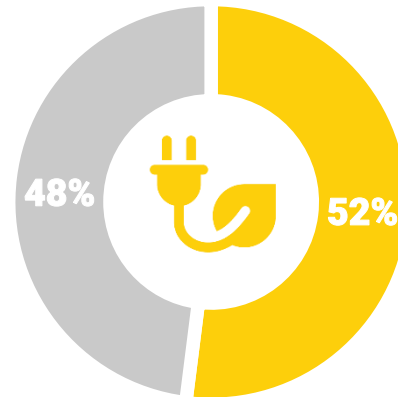
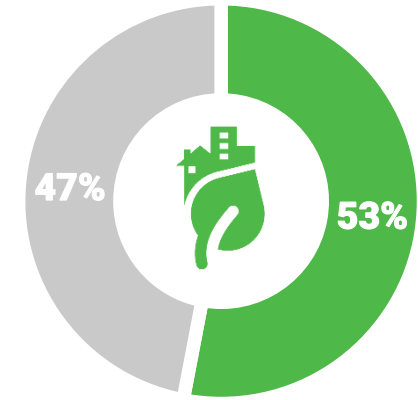
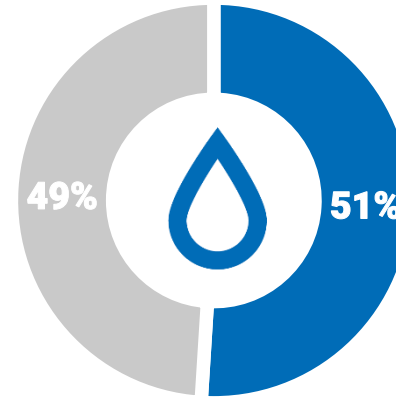
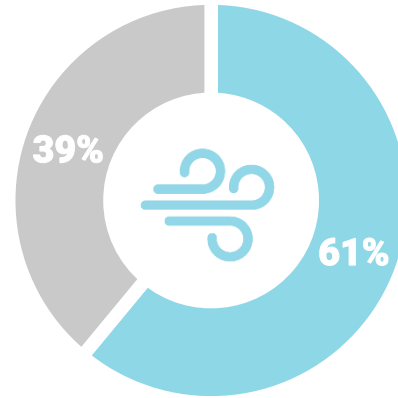
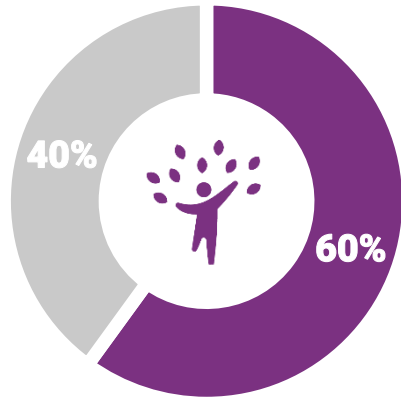


Original Grow Green Action Plan: Progress Achieved

- 10 year action plan
- Over 250 actions
- ~ 6 years into implementation
- 50% of actions completed



Achievements Per Core Component



Fuel for Progress

- Most progress observed among the core components/actions that have:
 - ✓ Specific lead team/staff with clear directive to improve environmental performance
 - ✓ Allocated resources
 - ✓ Councillor champion(s)
 - ✓ External funding opportunities
 - ✓ Partnership/collaboration



Themes That Guided Action Plan Refresh

Distilled research into key themes to inform new action plan:

- Building partnerships
- Empowering the community
- Expanding multimodal transportation
- Creating complete communities
- Fostering natural heritage stewardship
- Improving water quality
- Advancing public health
- Cultivating green jobs
- Supporting a circular economy
- Transitioning to a low carbon future
- Increasing climate change resilience

Proposed New Action Plan



























- Approximately 60 actions
- Carries over numerous actions from original plan
- Streamlined, focused on high impact actions
- Integration of social equity and economic development with environmental sustainability
- Informed by lessons learned, research, and consultation
- Aligned with local, municipal, provincial, and national sustainability priorities
- Prioritized based on public input



What the Community Wanted Prioritized

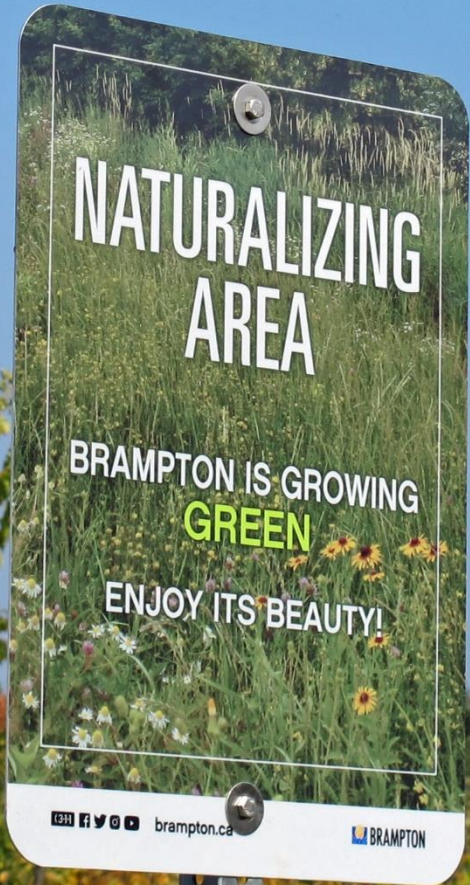
| Rank | Priority |
|------|---|
| 1 | Protecting and enhancing our natural heritage assets |
| 2 | Supporting sustainable modes of transportation |
| 3 | Using water more responsibly |
| 4 | Improving stormwater management and enhancing water quality in our rivers and lake |
| 5 | Understanding and preparing for climate change impacts |
| 6 | Improving the sustainability performance of new neighbourhoods, homes, and buildings |
| 7 | Fostering a greener economy |
| 8 | Increasing community urban agriculture opportunities |
| 9 | Retrofitting existing homes, buildings & neighbourhoods for energy and GHG conservation |
| 10 | Improving waste diversion at public properties |

Snapshot of Proposed New Action Plan: Highlight Co-benefits

| | PEOPLE | Benefits | City or Community | Priority | Lead Departments |
|----|---|---|-------------------|------------|--|
| 1 | Establish a Grow Green recognition program to acknowledge and celebrate environmental leaders within the corporation. |  | City | Short Term | Public Works & Engineering: Environmental Planning |
| 2 | Establish a Grow Green recognition program to acknowledge and celebrate environmental leaders within the community. |  | Community | Short Term | Public Works & Engineering: Environmental Planning |
| 3 | Host an annual City-wide Grow Green celebration and showcase event. |  | City | Short Term | Public Works & Engineering: Environmental Planning |
| 4 | Add an Environmental Sustainability Implications section to reports for Council and its Committees. |  | City | Short Term | Legislative Services: City Clerk |
| 5 | Establish an Environmental Education Centre on City lands at Bovaird Dr and Heritage Rd in collaboration with the Credit Valley Conservation and other partners. |       | Community | Long Term | Public Works & Engineering: Building Design & Construction |
| 6 | Develop and publish a Brampton green business inventory. |  | Community | Long Term | Planning, Building & Ec. Devp: Economic Development |
| 7 | Develop and commence implementation of a Green Economic Development Strategy to attract green jobs and investment capital, and promote environmentally sustainable business practices. |       | Community | Long Term | Planning, Building & Ec. Devp: Economic Development |
| + | | | | | |
| | AIR | Benefits | City or Community | Priority | Lead Department |
| 8 | Update and commence implementation of the Transportation Master Plan. |   | City | Short Term | Planning, Building & Ec. Devp: Transportation Planning |
| 9 | Develop and commence implementation of a Sustainable Fleet Strategy. |   | City | Short Term | Public Works & Engineering: Fleet Services |
| 10 | Develop and commence implementation of a Corporate Transportation Demand Management (TDM) strategy to reduce single occupancy auto vehicle trips generated by City staff and for City operations. |   | City | Short Term | Planning, Building & Ec. Devp: Transportation Planning |
| 11 | Develop Complete Street Guidelines and update City standards to implement these guidelines. |    | City | Short Term | Planning, Building & Ec. Devp: Transportation Planning |

Original Grow Green Performance Metrics

- 20 metrics spread across all core components
- Both City and Community
- Ambitious targets to motivate action and drive change
- Established with an understanding that they would be refined



Summary of Performance

| On Target | Progressing Toward Target | Off Target | No Target Established in Original EMP | Data Unavailable | Limited Data |
|-----------------------|--|--|--|------------------------|------------------------|
| City: Transit trips | City: Building energy use intensity | Comm: Vehicle km traveled | Comm: GHG emissions | Comm: Renewable energy | Comm: Energy intensity |
| City: NHS restoration | City: NHS in public ownership | Comm: Public participation in programs | City: GHG emissions | Comm: Density | |
| Comm: NHS Restoration | City: Community environmental programs | City: Staff participation in programs | City: Watercourse channel naturalization | City: Waste diversion | |
| | Comm: Waste Diversion | Comm: Potable water demand | City: Trees planted | | |
| | | City: Potable water demand | Comm: Trees planted | | |

Some of the Challenges

Data

- Availability of accurate/reliable data
- Availability of resources to gather, analyze, interpret data
- Evolving methodologies

Achieving Targets

- Rapid growth (efficiency is getting better, but overall use is increasing)
- Wind down of Brampton Clean City
- End of Brampton-Caledon Smart Commute program
- Lack of corporate lead for waste diversion



Refreshed Metrics and Targets

Metrics

- Majority of metrics to remain the same
- Several to be refined:
 - improve clarity on what to monitor
 - reflect what data is available
- One new metric to be added

Targets

- New targets required for post 2020
- Based on new studies/plans that identify targets (e.g. ATMP, CEERP, etc)
- Informed by lessons learned, research, and benchmarking

Next Steps

- Finalize Action Plan and Metric refresh report
- Circulate to internal Grow Green Team for review and endorsement
- Present report to Committee of Council in Q1 2021 for final approval
- Commence implementation of new Action Plan

**Council recently endorsed
substantial increase in
Brampton Grow Green EMP
implementation budget for
2021-2023**

Renewed focus
Renewed vigor
Renewed excitement

