

City of Mississauga
Corporate Report



<p>Date: April 2, 2024</p> <p>To: Chair and Members of General Committee</p>	<p>Originator's files:</p>
<p>From: Jodi Robillos, Commissioner of Community Services</p>	<p>Meeting date: May 22, 2024</p>

Subject

2023 Progress Update on Mississauga’s Climate Change Action Plan and Next Steps

Recommendation

That the Corporate Report entitled “2023 Progress Update on Mississauga’s Climate Change Action Plan and Next Steps,” dated April 2, 2024 from the Commissioner of Community Services be received for information.

Executive Summary

- In December 2019, City Council approved the City’s first comprehensive Climate Change Action Plan (CCAP). This plan and the 89 supporting actions present the City’s efforts to reduce greenhouse gas (GHG) emissions and adapt to the impacts of climate change over the next 10 years.
- As of the end of 2023, over 80% of actions have been completed or are currently underway.
- Council’s Motion (March 2023) to Reaffirm Mississauga City Council’s Commitment to Climate Action directs staff to update the CCAP’s targets for 2030 and 2050 based on the latest climate science and provide recommended actions to meet the new targets.
- City staff will be updating the CCAP throughout 2024 as the plan hits its five-year mark. The updated CCAP will include revised targets and will provide a detailed pathway to meet those targets.
- The updated CCAP is expected to go before Council for approval in Q1 2025.

Background

In December 2019, City Council approved the City’s first comprehensive Climate Change Action Plan (CCAP). This plan presents the City’s efforts to reduce greenhouse gas (GHG) emissions and adapt to the impacts of climate change over the next 10 years.

The CCAP has two main goals:

- (1) Mitigation: reduce GHG emissions by 40% by 2030 and by 80% by 2050 (compared to 1990 levels); and
- (2) Adaptation: increase resilience and the capacity of the city to withstand and respond to current and future climate events.





The CCAP includes 89 actions, in five categories (or “Action Pathways”):


- (1) Buildings & Clean Energy;
- (2) Resilient & Green Infrastructure;
- (3) Accelerating Discovery & Innovation;
- (4) Low Emissions Mobility; and
- (5) Engagement & Partnerships.

Every City Department was involved in the development of the CCAP and have been responsible for implementing its actions. This is a truly collaborative effort.

Present Status

The City has made significant progress on climate action since the CCAP was approved in 2019. As of December 2023, over 80% of actions have been completed or are currently underway. Some recent highlights include:

Action Pathway	Highlights
 <p>Buildings & Clean Energy</p>	<ul style="list-style-type: none"> • Fire Station 125 will be the City’s first net zero energy building. • Update to the Green Development Standards with increasingly more rigorous metrics every few years with the goal to achieve a near net-zero standard by 2030.
 <p>Resilient & Green Infrastructure</p>	<ul style="list-style-type: none"> • The City has acquired 94.76 acres of parkland since 2020 to increase resilience and address the deficit of parkland in Mississauga. • Over 10,000 lbs of food is grown each year (12,582 lbs in 2023) as part of the City’s Community Gardens Program.
 <p>Discovery & Innovation</p>	<ul style="list-style-type: none"> • The City successfully diverted more than 120,000 kilograms of materials from landfill by through the reuse, recycle, and donation of a number of items to local not-for-profit organizations at the Hazel McCallion Central Library renovation project.
 <p>Low Emissions Mobility</p>	<ul style="list-style-type: none"> • Over 40% of the MiWay bus fleet are 2nd Generation Hybrids (over 200 buses). • 100+ EV chargers have been installed for a mix of corporate and public use.

 <p>Engagement & Partnerships</p>	<ul style="list-style-type: none"> • Launched the Mississauga Climate Leaders Program - a joint program of Environment & Economic Development that supports local businesses in taking climate action. The program was fully subscribed in 2023 – its inaugural year. • The Centre for Community Energy Transformation (CCET) was established to support a sustainable energy transformation in the Cities of Mississauga and Brampton and Town of Caledon.
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While progress on implementing the CCAP has continued and community GHG emissions have decreased by 3% since 1990, significant effort to decarbonize our transportation systems and buildings will be required, particularly as we return from the temporary COVID–related GHG emissions reductions. In addition to electrification efforts, net zero or low carbon initiatives, future emissions will also depend on a number of external factors, including demand management efforts, carbon intensity of the electricity grid, technology availability/market readiness and changes in provincial/federal policies and access to funding.

Comments

The City is committed to meeting its CCAP goals to reduce GHG emissions and to increase the City’s resilience to current and future climate events.

Over the next year, City staff will be working to update the Climate Change Action Plan as it approaches its five-year anniversary and will be presenting an accelerated pathway report to Council which will include updated GHG emissions reductions targets to align with community-wide science-based targets and will seek a commitment to reach net zero on, or before, 2050 to limit global warming to 1.5°C.

Financial Impact

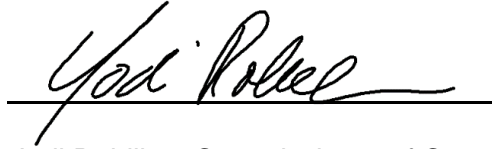
There are no financial impacts resulting from the Recommendations in this report.

Conclusion

While progress has been made on the CCAP, City staff recognize that the pace of climate change action needs to accelerate. A report from the United Nations’ Intergovernmental Panel on Climate Change (IPCC) is unequivocal that human-induced climate change is affecting weather and climate extremes across the globe, and that the climate is warming faster now than in previous decades.

Many of these changes are irreversible for centuries to millennia. The IPCC report is an urgent call to action: significant reductions in GHG emissions are needed to limit further climate change and limit global warming to 1.5°C.

Over the next year, City staff will be working to update the Climate Change Action Plan and will be presenting a pathway report that will seek a commitment to reach net zero on, or before, 2050.

A handwritten signature in black ink, appearing to read "Jodi Robillos", is written over a horizontal line.

Jodi Robillos, Commissioner of Community Services

Prepared by: Leya Barry, Climate Change Supervisor