



CLIMATE CHANGE ACTION PLAN: PROGRESS REPORT 2021

Environmental Action Committee
November 2, 2021

THE URGENCY TO ACT: IPCC REPORT

- Aug 2021 IPCC released “Climate Change 2021: the Physical Science Basis”
- Key findings:
 - “Unequivocal” that human influence has warmed the planet and widespread and rapid changes have occurred.
 - Global warming of 1.5°C is the temperature threshold which will hold off some of the worst climate impacts.
 - This threshold will be exceeded in the early part of the 2030 decade, 10 years earlier than previously expected.
 - Strong and sustained reductions in emissions of carbon dioxide and other GHGs is required to limit climate change.

PROGRESS REPORT

- First progress report, covers work since CCAP approved
- Plan to release in Dec 2021
- Approach:
 - Short and clear
 - Provide overview of CCAP & GHG emissions
 - Highlight wins in each pathway
 - Focus on need for more action

5.3



Climate Change Action Plan

Progress Report



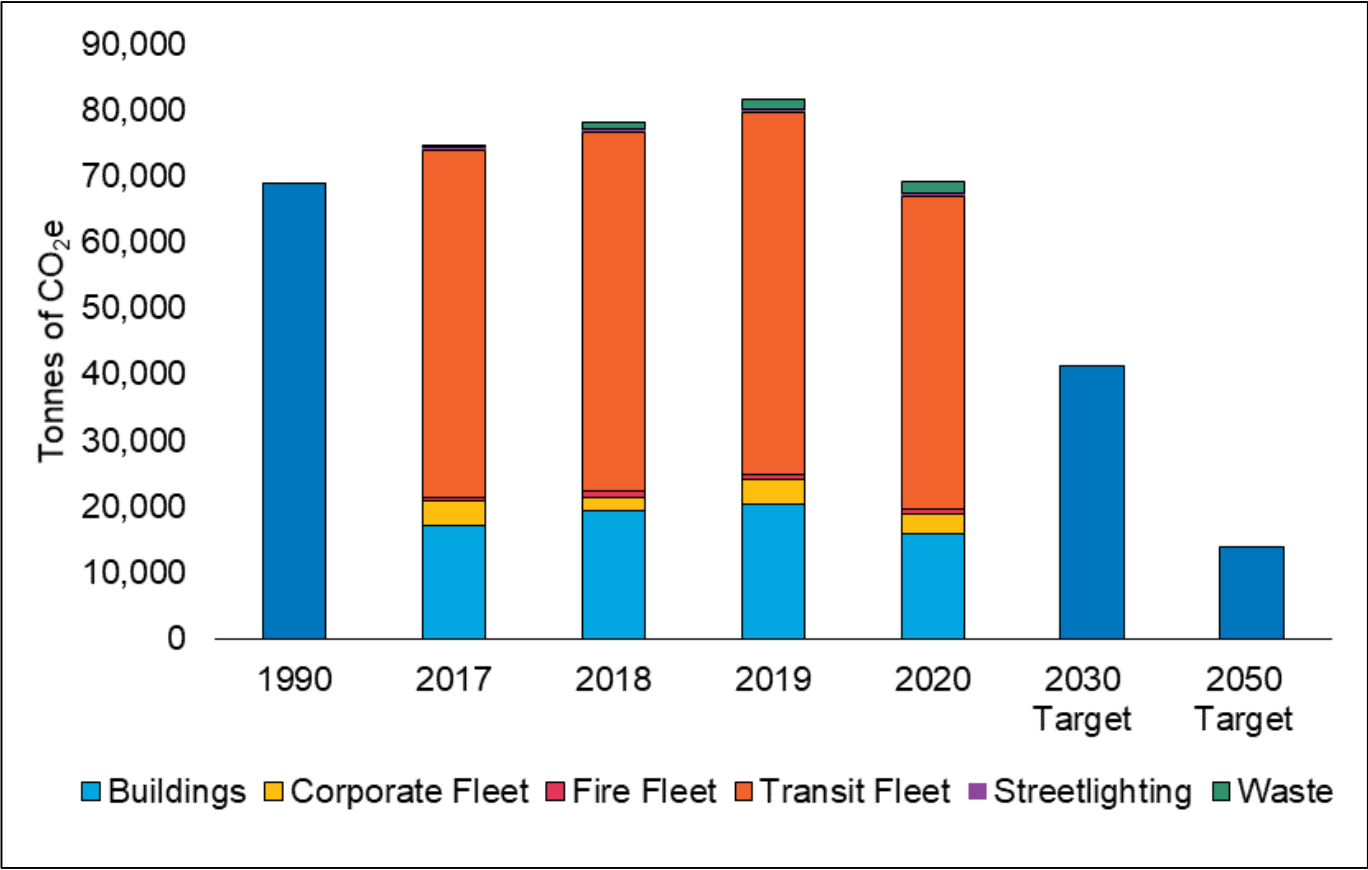
 MISSISSAUGA

COMMUNITY GHG INVENTORY



2020 numbers are preliminary

CORPORATE GHG INVENTORY



2020 numbers are preliminary

STATUS SNAPSHOT

89 Actions Total



ACTION HIGHLIGHTS



Buildings & Clean Energy

- Focusing on energy efficiency & sustainability in City's new buildings & major renovations
- Supporting low carbon district energy systems



Resilience & Green Infrastructure

- Integrating natural assets into Asset Management
- Expanding LIDs in road right-of-ways



Discovery & Innovation

- Including climate risks in financial reporting
- Implementing innovative dog waste program



Low Emissions Mobility

- Expanding MiWay electrification & installing EV chargers
- Expanding bike lanes

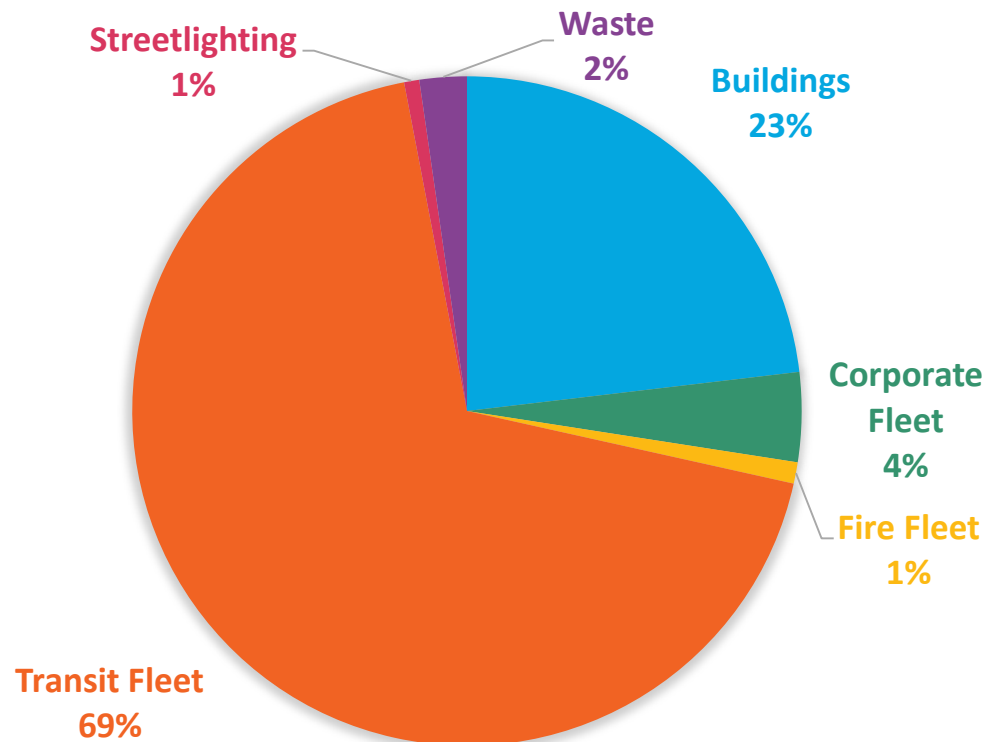


Engagement & Partnerships

- Completed Climate Change Youth Challenge
- Expanding community gardens program

CORPORATE EMISSION SOURCES

- Largest sources of corporate emissions are buildings and MiWay fleet
- Need to prioritize these areas for emission reduction actions and strategies



Based on 2020 preliminary inventory results

PRIORITIES: CORPORATE BUILDINGS



PRIORITIES: MIWAY FLEET

5.3



MAPPING A PATH FORWARD

- First two years of implementation focused on foundational actions
- Immediate next steps:
 - Solidify action pathway to reach our corporate GHG emission reduction targets
- Looking ahead:
 - Secure funding and implement priority corporate GHG reduction actions
 - Determine action pathways to reach our community and resilience targets



RECOMMENDATIONS

- EAC Members and the Committee approve the following recommendations:
 - That the Environmental Action Committee recognize the findings of the IPCC report in so far that it is unequivocal that human influence has warmed the planet and widespread and rapid changes have occurred. It is clear that human-induced climate change is affecting weather and climate extremes across the globe, and the climate is warming faster now than in previous decades.
 - That the Environmental Action Committee are in support of the Climate Change Action Plan: Progress Report 2021 and bringing it to General Committee on December 1, 2021 for endorsement.

MISSISSAUGA IS TAKING ACTION ON CLIMATE CHANGE

THANK YOU!

**climate change
is real.**



we have a plan.

**REDUCE
EMISSIONS
80% BY 2050**



**BUILD
RESILIENCE
TO CLIMATE
EVENTS**



**everybody
has a role
to play.**



The Climate Change Action Plan is built around a central vision that Mississauga will be a low carbon and resilient community, with the long-term goal of becoming a net-zero community. It focuses on mitigation and adaptation – with 21 key actions delivered over 10 years.

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**CLIMATE
CHANGE**
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