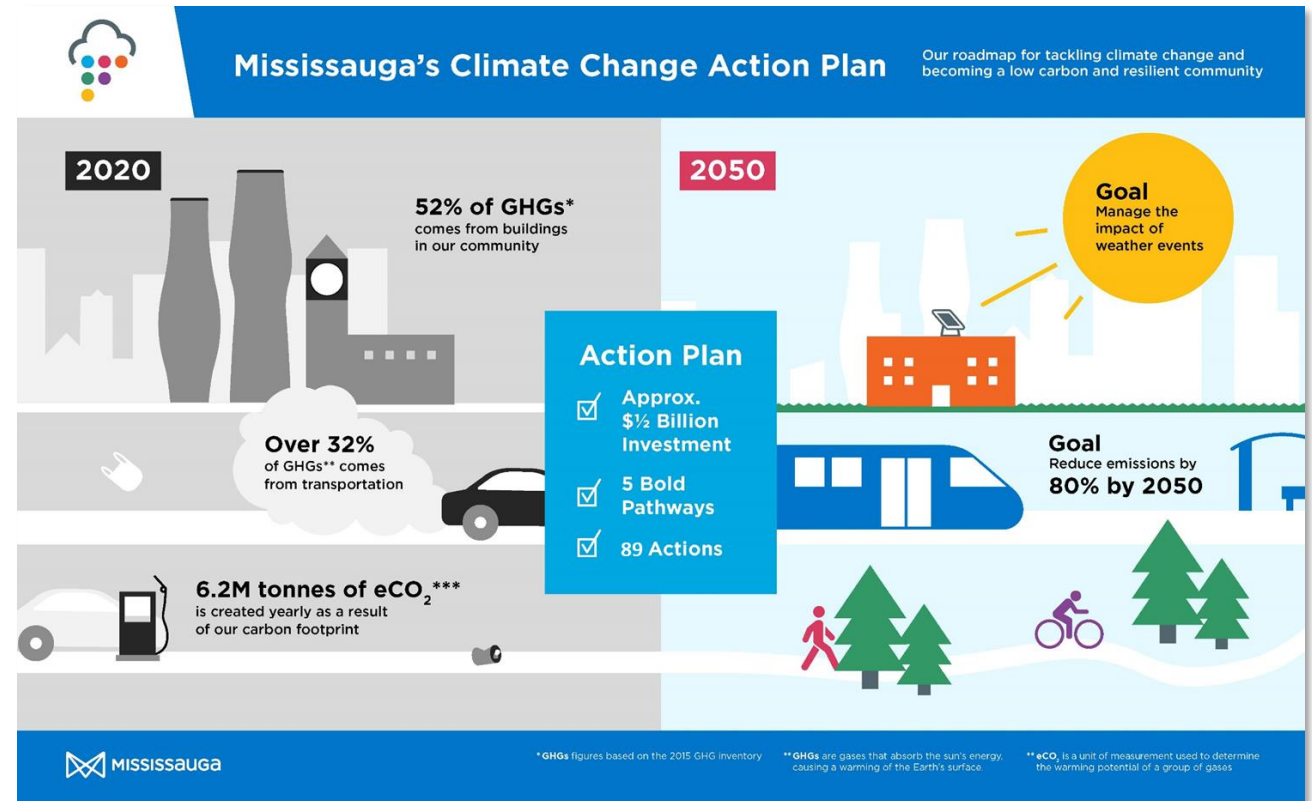


Climate Change Action Plan

2023 Progress Update and Next Steps

Our Agenda

- 1 Progress to Date
- 2 Current GHG Snapshot
- 3 Year in Review - 2023
- 4 Next Steps



**89****Actions
Total****9****Completed****30****Completed
Continuous
Improvement****34****Underway****16****Not
Started**

**89**

**Actions
Total**

9

Completed

**4**

Studies

3

Plans

1

Policy

1

**New
Management
Practice**

**89**

Actions
Total

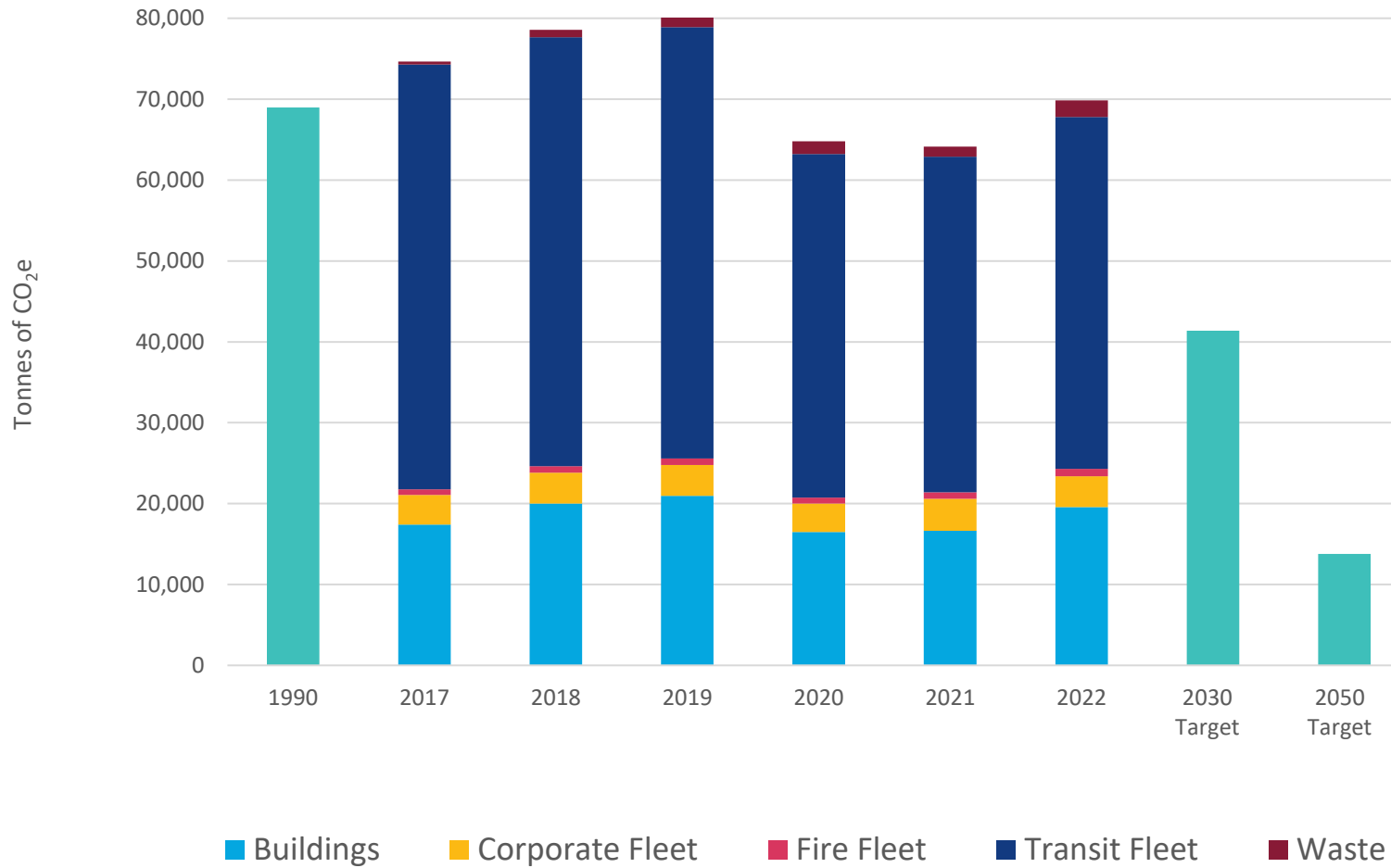
**80% of actions have been completed
or are currently underway**

2019

Today

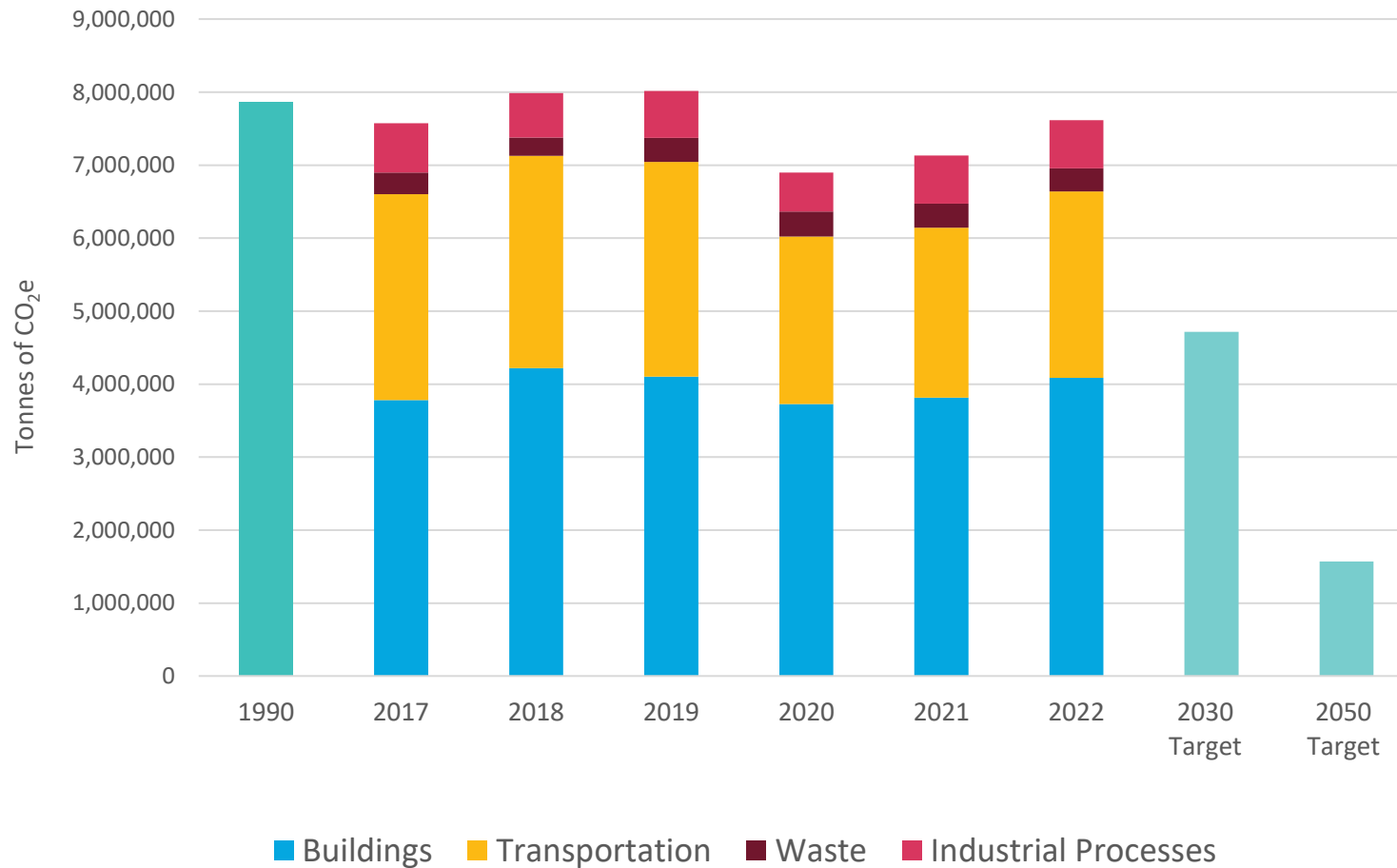
2024

CORPORATE GHG'S



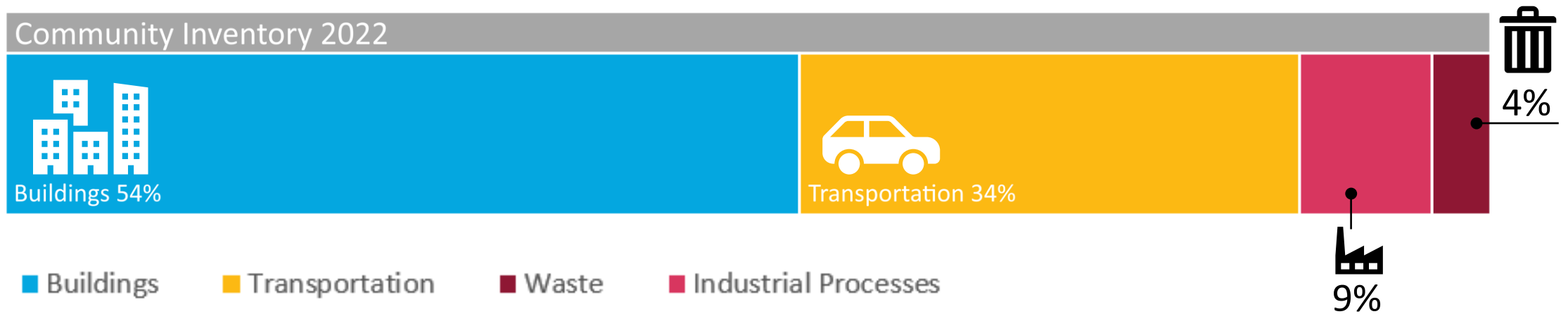
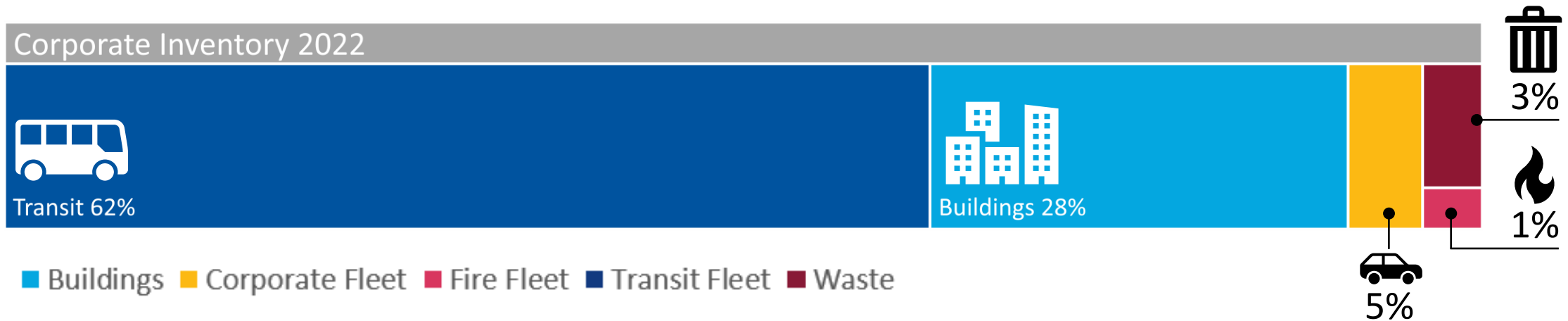
- Total Corporate Emissions in 2022 were 69,859 tonnes
- Emissions in 2022 are trending up to pre-pandemic levels
- Continued growth in City services means business as usual emissions will continue to grow without climate action
- Since 2019, MiWay's emissions have decreased by over 18% overall (over 10,000 tonnes). As MiWay bus fleet continues to transition to low emissions, should see a positive impact on total GHGs.

COMMUNITY GHG'S



- Total Community Emissions for 2022 were 7,616,752 tonnes
- Steady growth in emissions as a result of post-covid return to normal
- Total transportation-related emissions are starting to trend down as EV uptake, in particular, is growing
- As we continue to electrify both transportation and building technologies, it is critical that the electricity grid in Ontario remains low carbon

MISSISSAUGA'S EMISSIONS SOURCES



2023 Year in Review

Buildings and Clean Energy



Net Zero Buildings – Fire Station 125

Fire Station 125 is being built to net zero energy and will be opening in Summer 2024. All future fire stations will also be built to net zero energy.



Green Development Standards Update

The City has updated the Green Development Standards so that most new private buildings include energy efficiency and climate resilience measures.



District Energy – Downtown Node

Feasibility study is complete. Moving forward with detailed design for Phase 1A.

Low Emissions Mobility



Low and Zero Emission Vehicles, Buses, and Equipment

As of 2023, over 40% of the MiWay bus fleet are now 2nd Generation Hybrids (that's over 200 buses)

12 Electric Ice Re-surfacers
(e.g., Zamboni's)

Over 50% of MiWay's light duty fleet is fully electric



EV Charging Infrastructure

95+ EV chargers have been installed for a mix of corporate and public use in the last five years



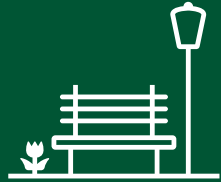
Active Transportation

38 km of new cycling infrastructure since 2020

6.8km of new sidewalks

Launching a Shared Micro-Mobility Program this summer

Resilient and Green Infrastructure



Parkland Acquisition

The City has acquired 94.76 acres of parkland since 2020 to increase resilience and address the deficit of parkland in Mississauga



Community Gardens

Over 12,000 lbs of food were grown in 2023.

Nearly 50% of food grown is donated to Mississauga food banks and local organizations each year



Shade Program

12 new shade structures have been added to parks since 2020 with 10 additional structures expected to be added in 2024

1,703 trees have been planted in parks to provide shade on playgrounds since 2020



One Million Trees

Over 500,000 trees have been planted since 2012. In 2023, over 45,000 trees were planted

Received the Tree Cities of the World designation in 2023 for our commitment to urban and community forestry

Community Engagement and Partnerships



Mississauga Climate Leaders

MCLP is a joint program of Environment & EDO that supports local businesses in taking climate action. The program was fully subscribed to in 2023 – its inaugural year.



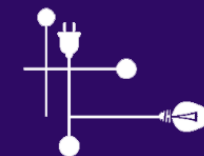
Cooksville SNAP

In partnership with the City & others, Credit Valley Conservation kicked off the design of its latest Sustainable Neighbourhood Action Plan (SNAP) in the Cooksville area. The plan will be completed in 2024.



Own Your Litter Campaign

We all have a part to play in keeping our city beautiful and litter-free. Learn about some of the ways you can make a difference at www.ownyourlitter.ca



Center for Community Energy Transformation (CCET)

CCET was established in 2022 to aid the transition to a sustainable energy transformation in Brampton, Mississauga, and Caledon. They will be the administrator of the forthcoming Home Retrofits Program in Peel.

Circular Economy



Diverting Dog Waste

To date, 94 metric tonnes of dog waste has been diverted from landfill



Waste Diversion at Events

At the 2022 Ontario Parasport Games and Ontario Summer Games, a combined ~1,900 kg of organics was diverted and turned into compost.

In 2024, the City will be expanding organics collection and encouraging waste-free events.



Maker Spaces and Repair Hubs

Maker Mississauga provides access to library equipment and software to create, repurpose, and repair materials and Makerspaces can be booked at select Libraries.

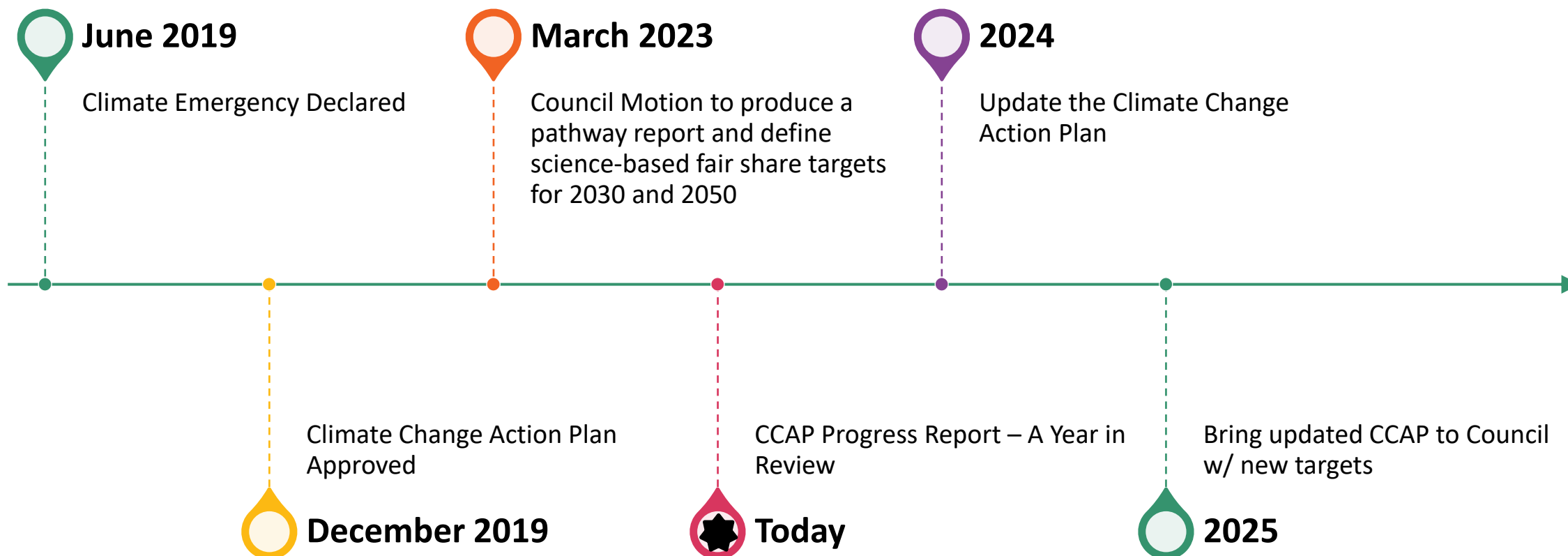
The City recently hosted its first repair hub at the Malton Library.



Surplus Assets Solutions

The City successfully diverted ~120,000 kilograms of materials from landfill through the reuse, recycle, and donation of items to local not-for-profit organizations as part of the Hazel McCallion Central Library renovation project

TIMELINE AND NEXT STEPS



UPDATING THE CCAP



The updated Climate Change Action Plan will:

1. Satisfy the commitment to update the 2019 CCAP every 5 years
2. Address the March 2023 Council motion, which directed City staff to provide a Pathway Report to align with international best practices to limit global warming to 1.5 degrees Celsius
3. Separate out climate change mitigation and adaptation into two distinct plans:
 - Focus on a net zero pathway for corporate and community emissions
 - Climate Adaptation/Resilience Plan to be developed in 2025

THANK YOU

Leya Barry

Climate Change Supervisor

Leya.barry@mississauga.ca

Get involved in the update:

<https://yoursay.mississauga.ca/climate-change>

Find out more about our progress:

www.mississauga.ca/climatechange