

Climate Change Action Plan



2024 Progress Update and Next Steps

Our Agenda

- 1 Report Back
- 2 Current Snapshot
- 3 Year in Review - 2024
- 4 Engagement Update

Strengthening Mississauga's
commitment to climate action

Help us map
a pathway to



**NET
ZERO**

**CLIMATE
CHANGE**

REPORTING BACK: CCAP UPDATE EAC WORKSHOP OCTOBER 1, 2024



- Provided context for GHG modelling work
 - Reviewed current and proposed GHG reduction targets
- Provided high-level summary of BAP modelling
- Discussed low-carbon assumptions for BAP and LC, in the following sectors:
 - Buildings
 - Energy
 - Transportation
 - Waste
 - Industry
 - Forestry

BAU

Business-as-Usual Scenario

No changes in policies

BAP

Business-as-Planned Scenario

Existing climate policies implemented

LC

Low-Carbon Scenario

Existing policies and new policies, programs implemented

CCAP UPDATE - NEXT STEPS



1

Preliminary BAP and LC scenario results have been shared with Core Team and are currently being refined and finalized

2

Scenario results will be shared with the TAG in January and EAC in February – this will tell us how close we can get to net zero and by when

3

Once modeling is complete, action planning will begin (expected February 2025) and a draft plan will follow shortly after

2019 Climate Change Action Plan: Current Snapshot



89
**Actions
Total**

13
Completed
✓

41
**Completed
Continuous
Improvement**
♻️

31
Underway
🔧

4
**Not
Started**
⊘

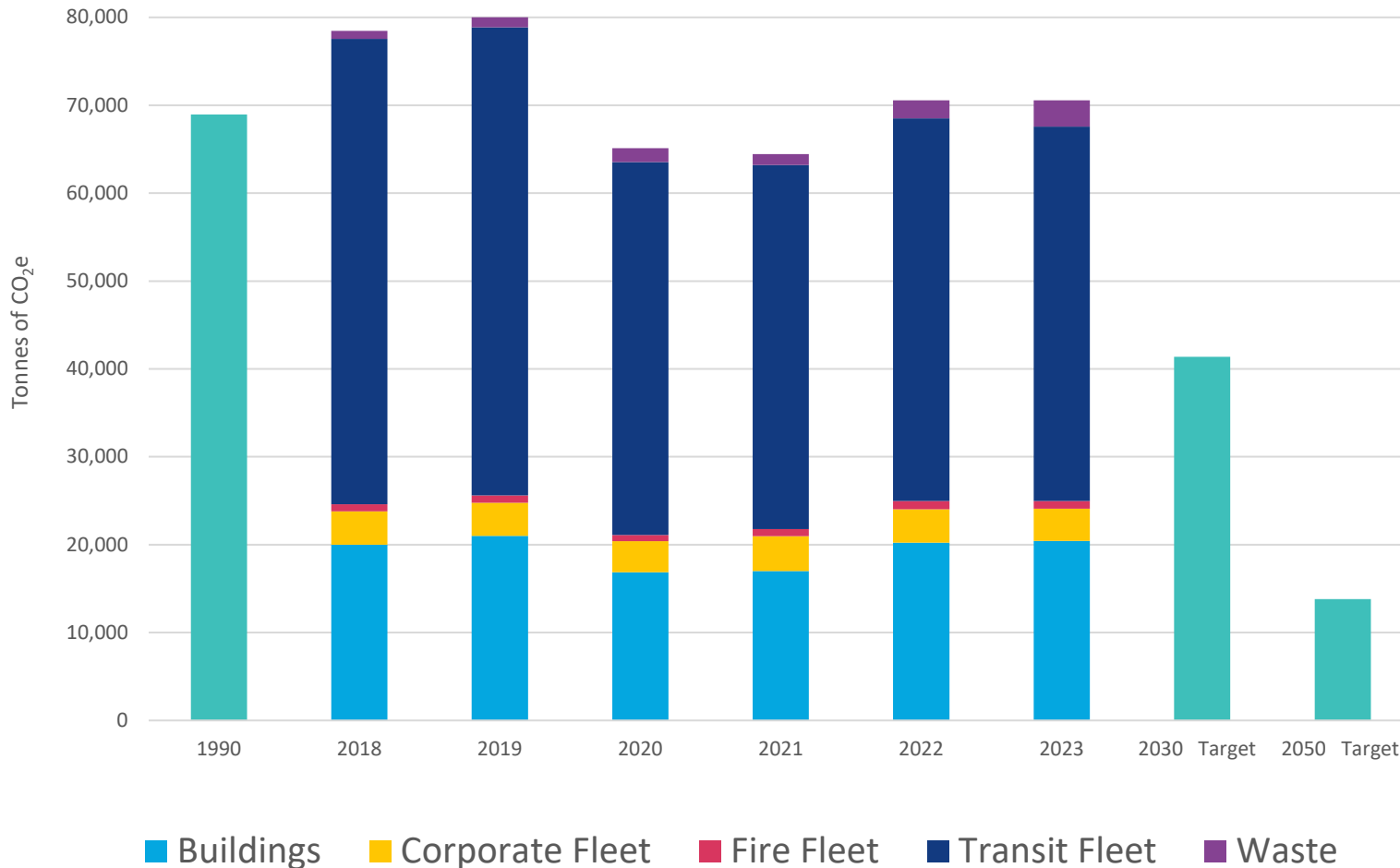


89
Actions
Total

95% of actions have been completed or are currently underway



CORPORATE GHG'S



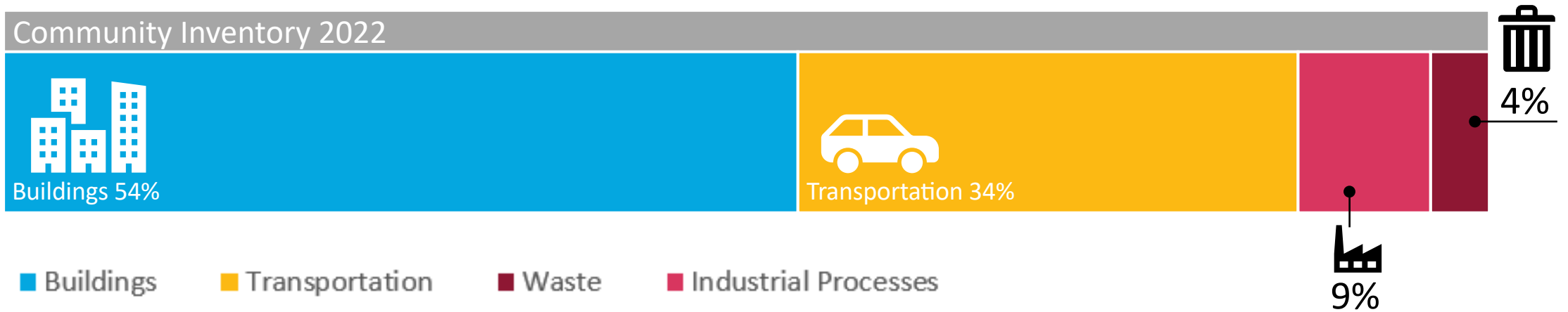
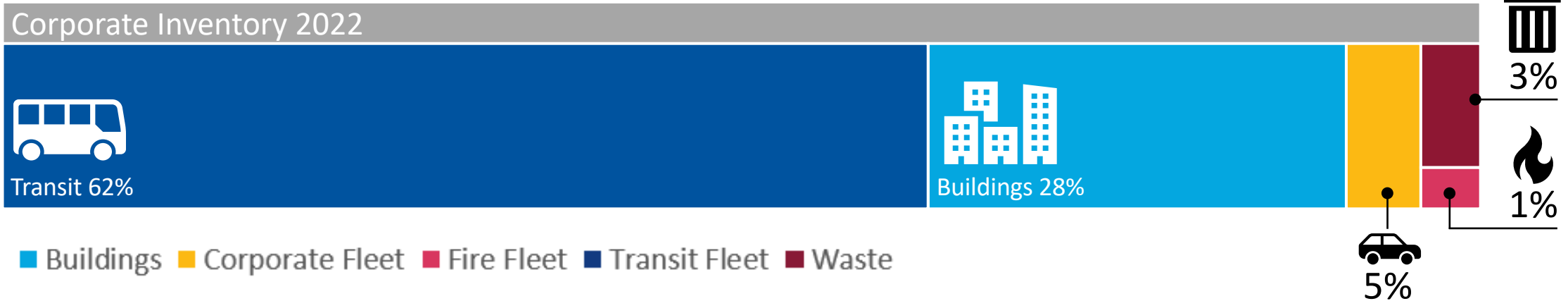
- Total Corporate Emissions in 2023 were 70,556 tonnes
- This equals a **2% increase** for corporate emissions above 1990 levels but a **12% decrease** since the CCAP was approved in 2019
- Corporate emissions in 2023 have stayed almost constant when compared to 2022

COMMUNITY GHG'S

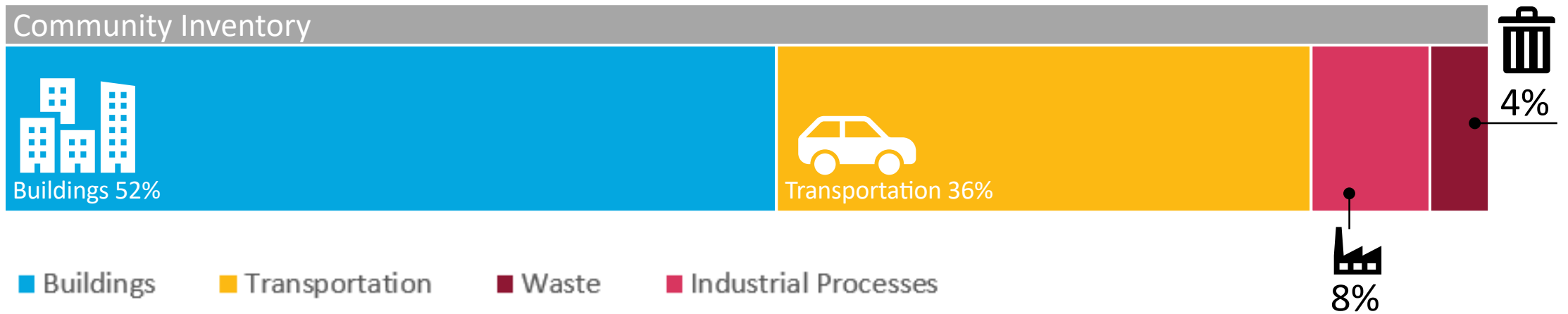
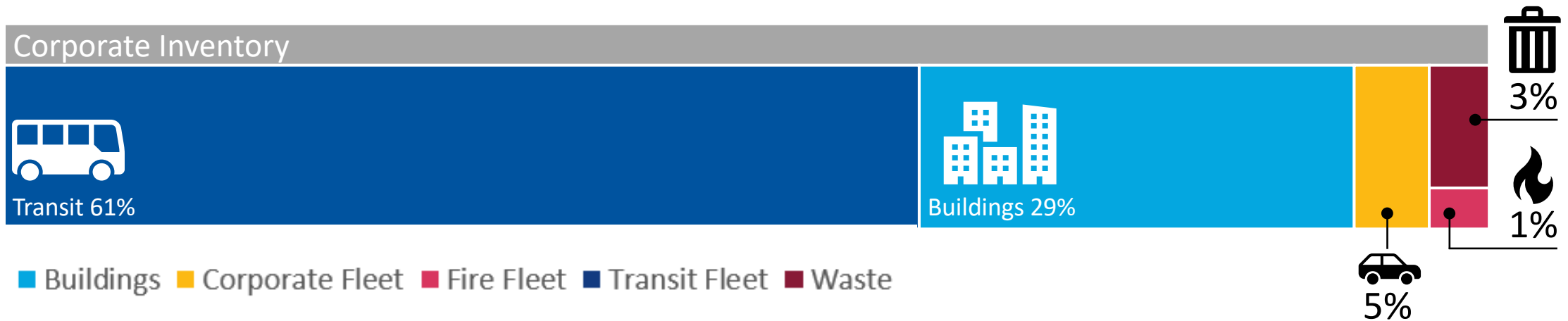


- Total Community Emissions for 2023 is 7,233,297 tonnes
- This equals an **8% reduction** below 1990 levels and a **10% decrease** below 2019 levels, which was the year CCAP was approved
- Significant reductions (down nearly 40% compared to 2019) in industrial process emissions, from Ash Grove, are a notable achievement

MISSISSAUGA'S EMISSIONS SOURCES 2022



MISSISSAUGA'S EMISSIONS SOURCES 2023



2024 Year in Review

Buildings and Clean Energy



Decarbonizing Municipal Buildings

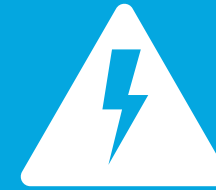
Fire Station 125 is the City's first net-zero energy building and is now operational.

Erin Mills Twin Arena received the Energy Star Building of the Year Award from NRCan and is one example of the City's decarbonization efforts



Green Development Standards Update

Updated Green Development Standards were approved in March 2024 and will come into effect in March 2025 to help ensure that most new private buildings include energy efficiency and climate resilience measures.



District Energy – Lakeview Village

Lakeview Community Partners and Enwave broke ground on the District Energy system at Lakeview Village.

Low Emissions Mobility



Low and Zero Emission Vehicles, Buses, and Equipment

Council approved a Hydrogen Fuel Cell Electric Bus (10 buses) pilot for MiWay in 2025.

A pilot of 15 battery electric buses are planned for 2026.

Over 40% of MiWay's fleet is now 2nd generation hybrid (200+ buses)



EV Charging Infrastructure

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

In 2024, 8 additional public chargers opened at Burnhamthorpe Community Centre.

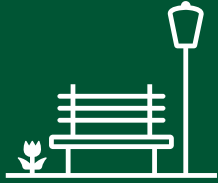


Active Transportation

25km of cycling infrastructure is currently under construction, including 12.8km along the Hazel McCallion LRT line.

Launched a Shared Micro-Mobility Program in June 2024. Over 300 e-bikes and 900 e-scooters are available for rent across Mississauga.

Resilient and Green Infrastructure



Parkland Acquisition

The City has acquired 152 acres of parkland since 2020 to increase resilience and address the deficit of parkland in Mississauga. In 2024 alone, the City acquired 57 acres of parkland.



Sustainable Neighbourhood Action Plan (SNAP)

A SNAP has been established in the Cooksville neighbourhood to help make Cooksville Creek and the surrounding neighbourhood more sustainable and ready for a changing climate.



Asset Management

In July, Council approved the City's Corporate Asset Management Plan, which includes a climate-lens. The plan ensures that essential activities, resources, and timelines are in place to support municipal infrastructure, balancing costs, risks (including climate-related risks), and opportunities to achieve targeted asset performance.

Community Engagement and Partnerships



Mississauga Climate Leaders Program

8 companies participated in the pilot year of the program which was completed in April, 2024.

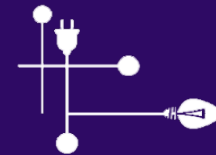
Staff are currently assessing delivery of programming beyond the 2024 pilot.



Local Partnerships and Engagement Opportunities

Ongoing partnerships and engagement opportunities include:

- Partnership with UTM to deliver their Research Awards Program which focused on urban agriculture.
- City Staff jointly delivered a Hackathon for high-school and university students on Innovative Rooftop Strategies for a Greener Planet



Center for Community Energy Transformation (CCET)

CCET, a non-profit that is co-funded by the City of Mississauga, launched an energy coaching service for Peel residents in 2024 which provides tools, resources and tailored recommendations to help residents navigate a home energy retrofit and hosted a DE Forum with ~100 participants

Circular Economy



Recycling Collection Program

2024 was the City's 7th year partnering with the Toronto and Region Conservation Authority's Partners in Project Green's recycling collection program which offers collections of clothing, textiles, and electronics in both spring and fall.



Waste Diversion at Events

A reusable dishware pilot was tested with food truck vendors for Waste Free Movie Nights at Celebration Square in 2024. Over 1000 single use items were avoided and a total of 153kg of organics was diverted from landfills.

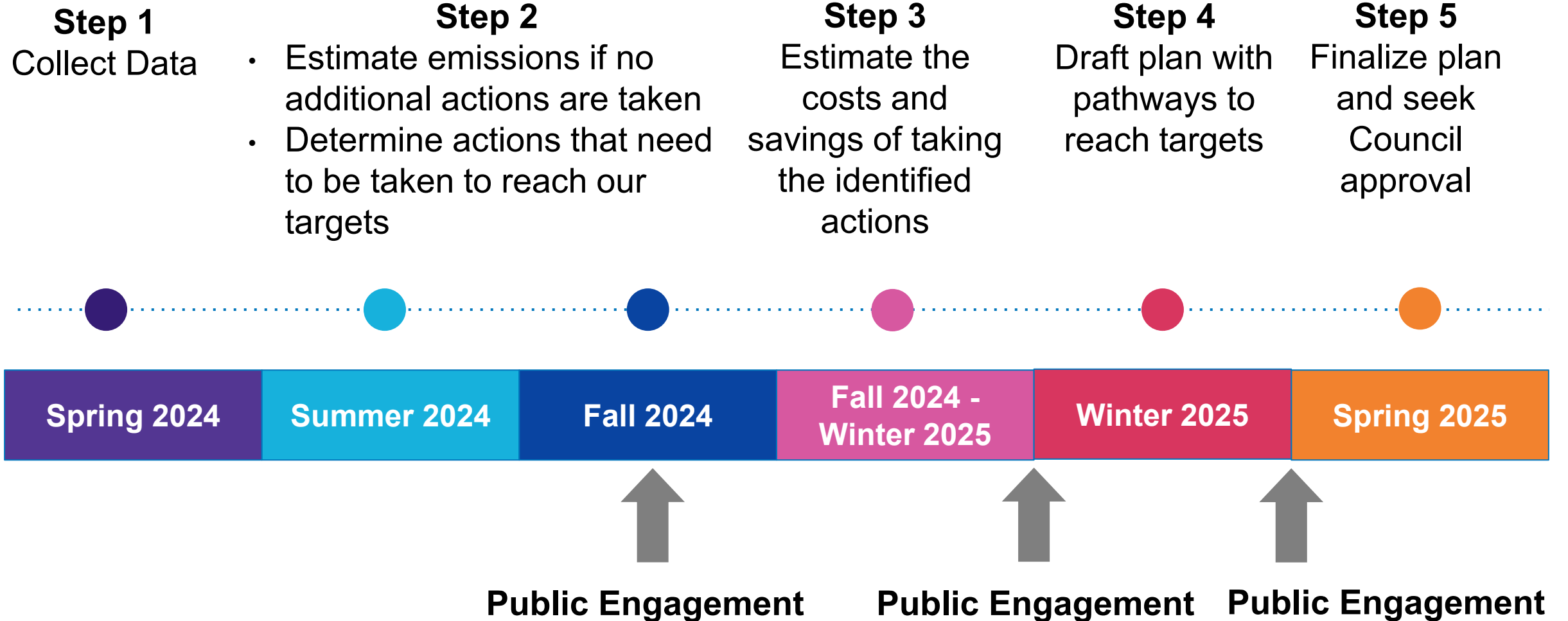


Repair Hubs

The City hosted three repair hubs in 2024 to promote the circular economy. Damaged everyday items, such as bicycles, electronics, clothing, toys, and small appliances, were repaired or assessed by volunteer fixers. Over 70% of items brought in were repaired.

CCAP Engagement Update

TIMELINE



PUBLIC ENGAGEMENT

Fall 2024

Educate & Prepare

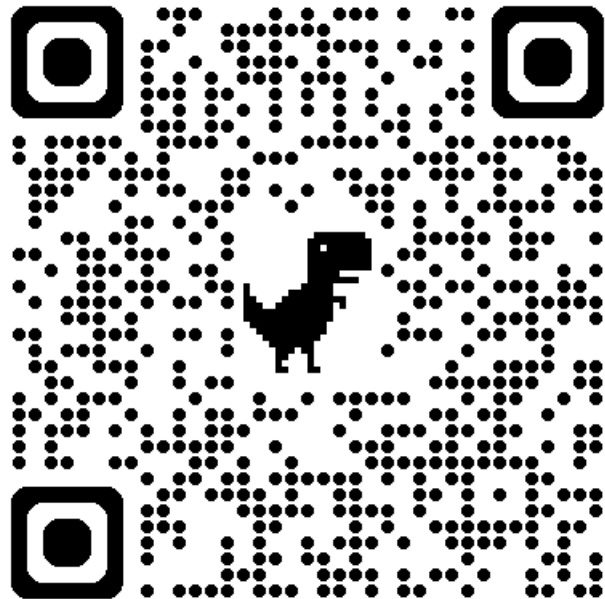
- Provide info on the city's role in climate change
- Explain process for the update of the plan
- Get initial feedback
- Consultant developed platform for this stage

FALL 2024 PUBLIC ENGAGEMENT

 Welcome to Mississauga's Climate Lab



FALL 2024 PUBLIC ENGAGEMENT



Open until **December 19, 2024**

www.planlocal.ca/mississauga

Please share with your networks!

UPCOMING PUBLIC ENGAGEMENT

**Winter
2025**

Seek Input on Pathway Development

- Get input on the proposed pathways to decrease GHGs

**Spring
2025**

Gather Comments

- Gather feedback on draft plan

THANK YOU!

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Get involved in the update:
<https://yoursay.mississauga.ca/climate-change>

Find out more about our progress:
www.mississauga.ca/climatechange