



CLIMATE CHANGE ACTION PLAN: PROGRESS REPORT 2021

Cycling Advisory Committee
November 9, 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

6.1



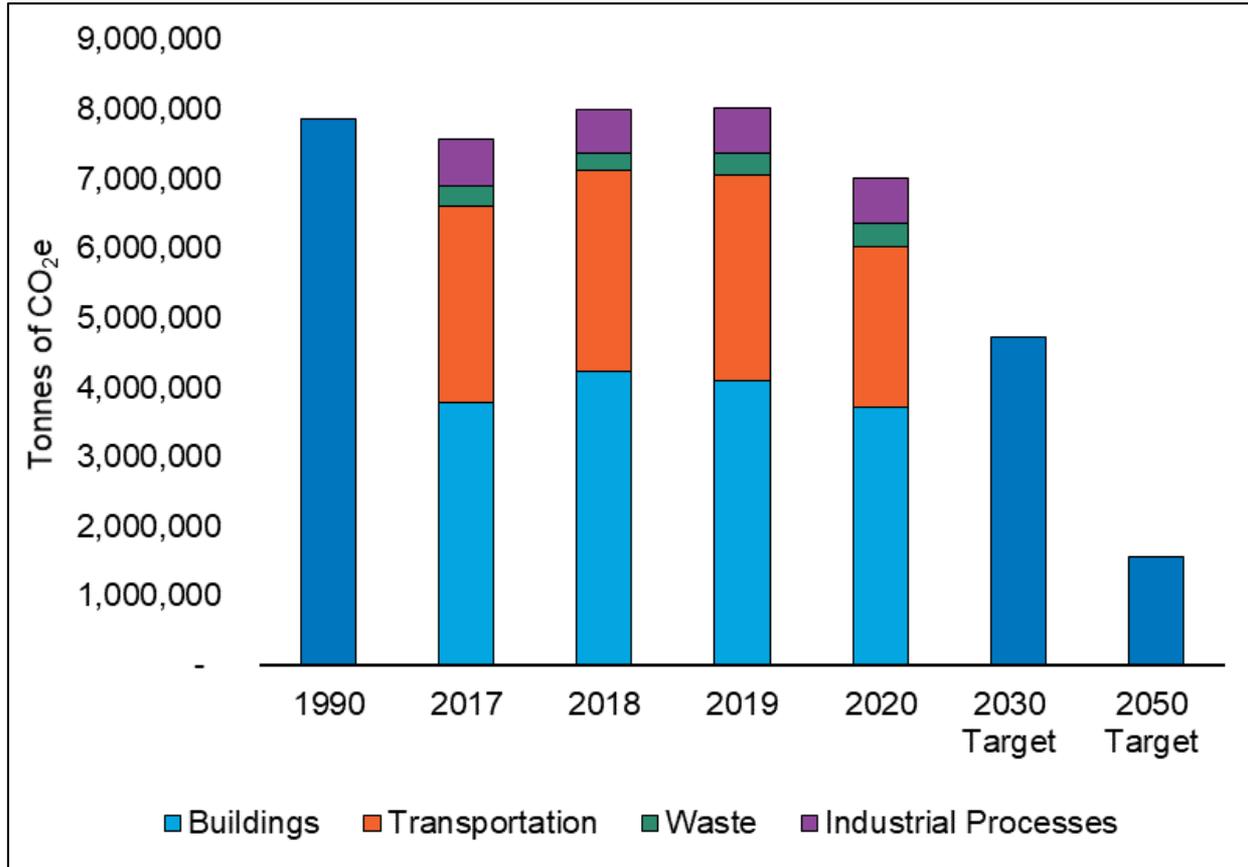
Climate Change Action Plan

Progress Report



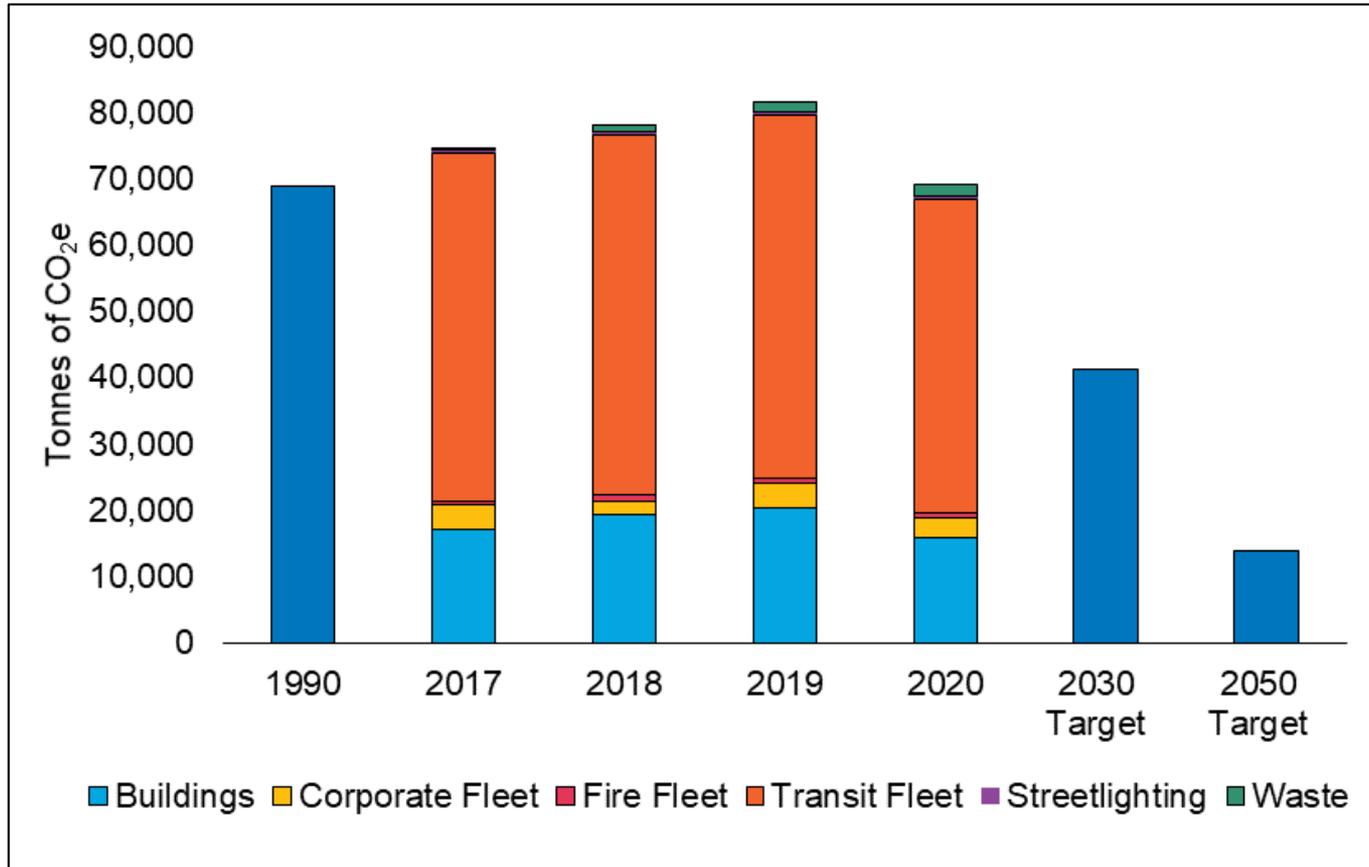
 MISSISSAUGA

COMMUNITY GHG INVENTORY



2020 numbers are preliminary

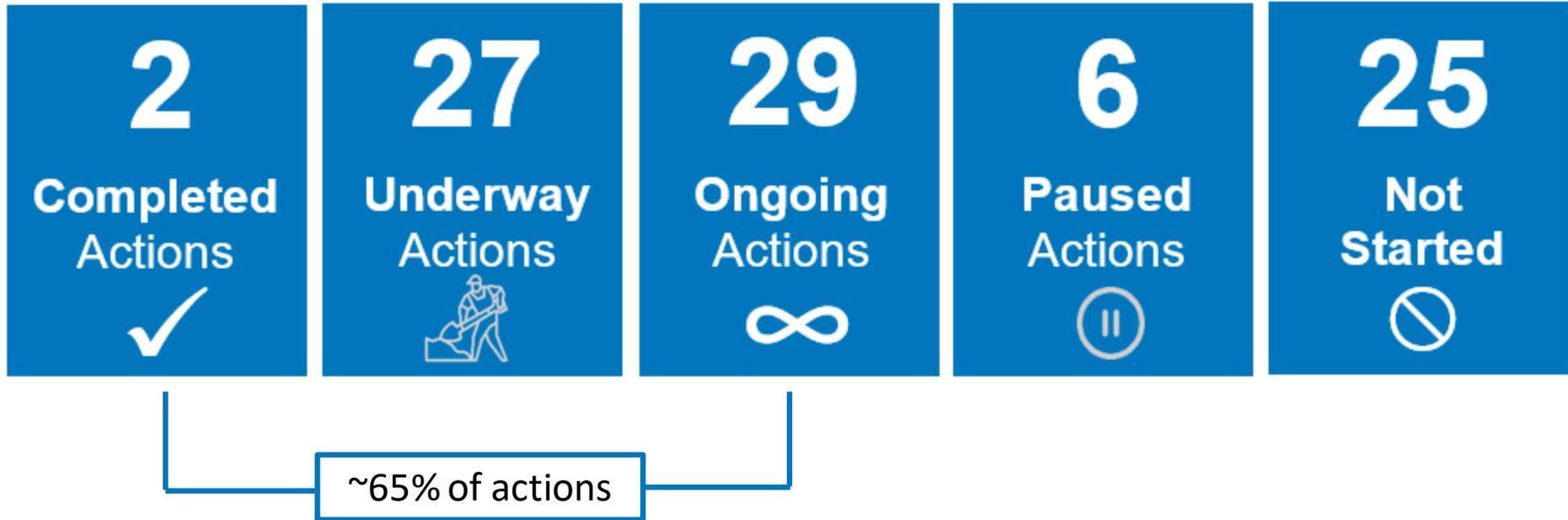
CORPORATE GHG INVENTORY



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

SPOTLIGHT: TRANSPORTATION

- Transportation sector produces ~30% of the city's total emissions
- Transportation objectives:
 - **Support the shift towards lower-emission modes of transportation, such as transit and cycling**
 - Accelerate the adoption of zero emissions vehicles
 - Decrease greenhouse gas emissions from the City's corporate and transit fleet and equipment

PROGRESS: ACTIVE TRANSPORTATION

- Constructing new sidewalks through the annual Sidewalk Infill program
 - 3.7 km constructed in 2020
- Expanding cycling networks and infrastructure
 - 14.5 km of new bicycle lanes in 2020
- Undertaking a Micromobility Project
- Taking a 'Complete Street' approach in development and reconstruction to ensure future roads are designed for all users
- Continued implementation of key planning documents
 - 2021 Pedestrian Master Plan
 - 2018 Cycling Master Plan Update

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



MISSISSAUGA IS TAKING ACTION ON CLIMATE CHANGE

THANK YOU!

climate change is real.

 **20-32 MORE HOT (+30°C) DAYS**

 **EXTREME WEATHER EVERY 6 YRS VS 40 YRS**

 **70mm MORE RAIN/YEAR**

 **+1°C OVER LAST 60 YRS**

we have a plan.

REDUCE EMISSIONS 80% BY 2050



BUILD RESILIENCE TO CLIMATE EVENTS



everybody has a role to play.

