

2024

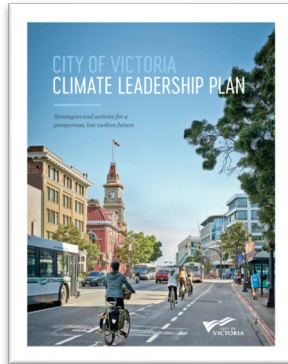
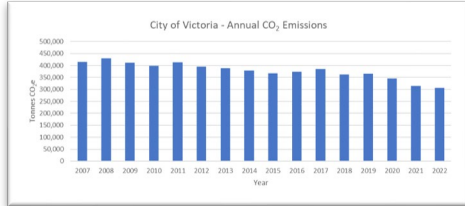
CITY OF VICTORIA | Engineering & Public Works

# Climate Leadership Program Update

& report back on Council Member Motion

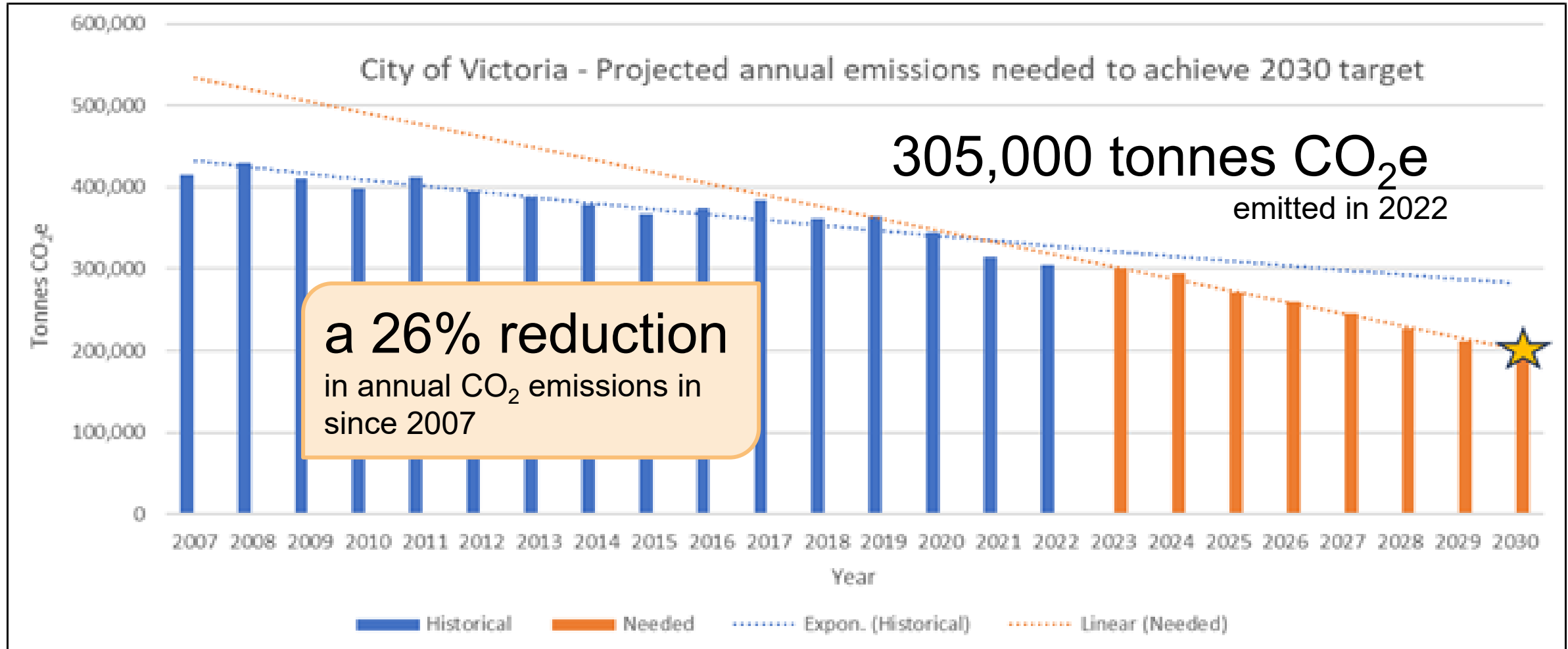


# Report Objectives



- 1 • Climate Leadership Program Update
  - Updated GHG inventory
  - 10,000 ft view of program implementation
- 2 • Revising the Climate Leadership Plan (CLP)
  - Aligning targets
  - Integrating new plans
- 3 • Report back on council member motion (CMM)
  - Expanded adaptation and economics of climate change
  - Phase out oil heating
  - Circular economy & embodied emissions
  - Climate budgeting and annual reporting

# Program Update: Emissions Reductions



# Program Update: 10,000 ft View

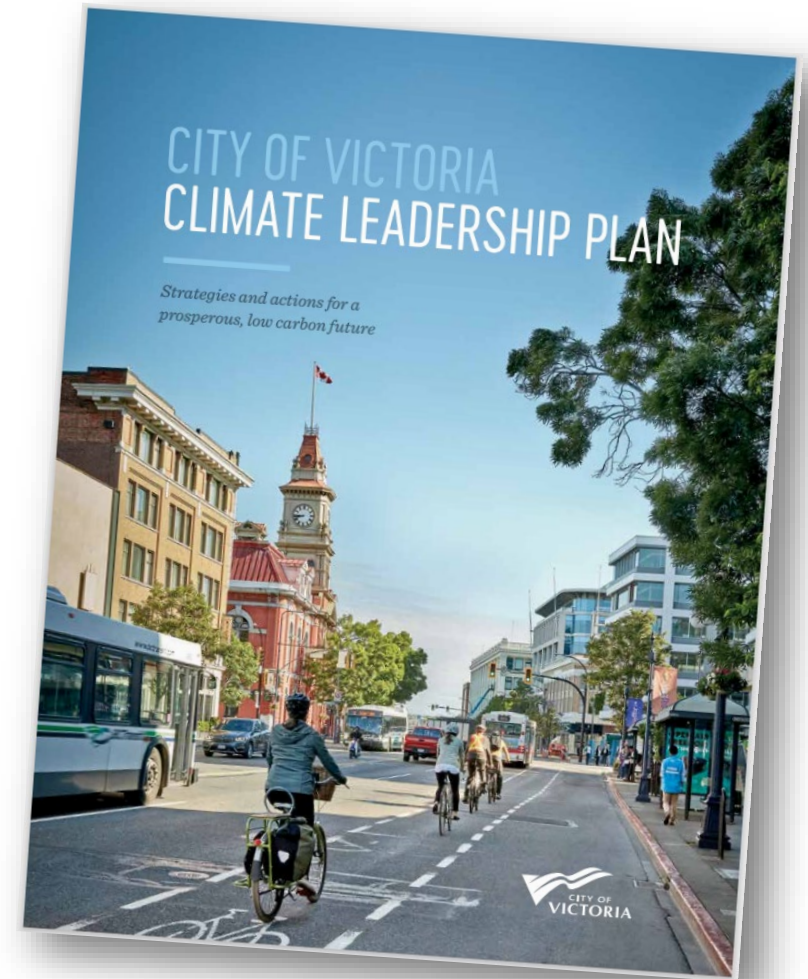
- Reduced emissions by 26% since 2007
- Program is into implementation stages of the CLP
  - With an ongoing operating budget and capital programs
- Many complimentary plans and strategies have been developed with 3 new plans under development and anticipated in 2024
  - Building Emissions Reduction Plan
  - Climate Adaptation Plan
  - Integrated Rainwater Management Plan
- Revisions to the CLP under development and anticipated in 2024
  - Including expansion of the program into new areas





# Revising the CLP

- Re-evaluate targets
  - Align with province's 2050 net zero commitment
- Re-evaluate High Impact Initiatives
  - Adjust existing high impact initiatives and add new ones
- Integrate new and existing complimentary plans and strategies
- Align with new council strategic plan objectives & council member motions
- Align with new Official Community Plan update



# Revising the CLP

## Integrating Plans Example

The City's Building Emissions Reduction Plan (currently under development)

- Includes key initiatives for existing buildings

Focus Areas	Initiative Type	Status of City of Victoria Initiatives
Support Programs and Incentives	• Retrofit Advisor Programs	• Launching an advisor program for Strata buildings to compliment the CRD program for single family homes
	• Retrofit Tax Incentives	• Recently Launched Market Rental Revitalization Tax Exemption Pilot Program
	• Incentives	• Previously provided \$450,000 in incentives for heat pumps.
Regulations and Requirements	• Energy Reporting Requirements for existing buildings	• Conducting engagement with building owners/managers and strata councils to inform the development of an energy and carbon emissions reporting and benchmarking requirement.
	• Emission Limits for existing buildings	• Exploring the development of emission limits requirements for existing buildings

# Report Back to Council

2023 Council Member Motion asked staff to explore and report back on the following areas:

- Expanded climate adaptation efforts
- Phase out of oil heating
- Working towards a fully circular economy
- Economic impacts of climate change
- Embodied emissions
- Carbon budgeting and annual reporting



A photograph of a city street scene. In the foreground, there's a paved path with a concrete curb. To the left of the path is a landscaped area with tall grasses and some purple flowers. To the right of the path is a sidewalk and a row of trees with green leaves. In the background, there's a street with traffic lights and a McDonald's sign. The sky is clear and blue.

# Expanded Adaptation Efforts

- Embedding adaptation into the Official Community Plan (OCP)
- Developing a natural asset inventory
- Embedding adaptation into risk assessments
- Empowering the community to take action





# Phase Out of Oil Heating

- The City is currently on track to phase out oil heating by 2030 (<350 homes remaining)
- Rebates are available from the provincial and federal government for switching to a heat pump
- CRD's home energy navigator offers free retrofit support for residents within the region





# Working Towards a Fully Circular Economy by 2050

- The City has taken several steps to promote circularity:
  - Regulating the reuse of wood from building demolitions
  - Restricting environmentally harmful single use items
  - Launching a circular economy speaker series
- Successful transition to a fully circular economy requires collaboration and collective action
- Zero Waste Victoria will continue to be the primary mechanism to deliver on circular economy initiatives.





# Embodied Emissions

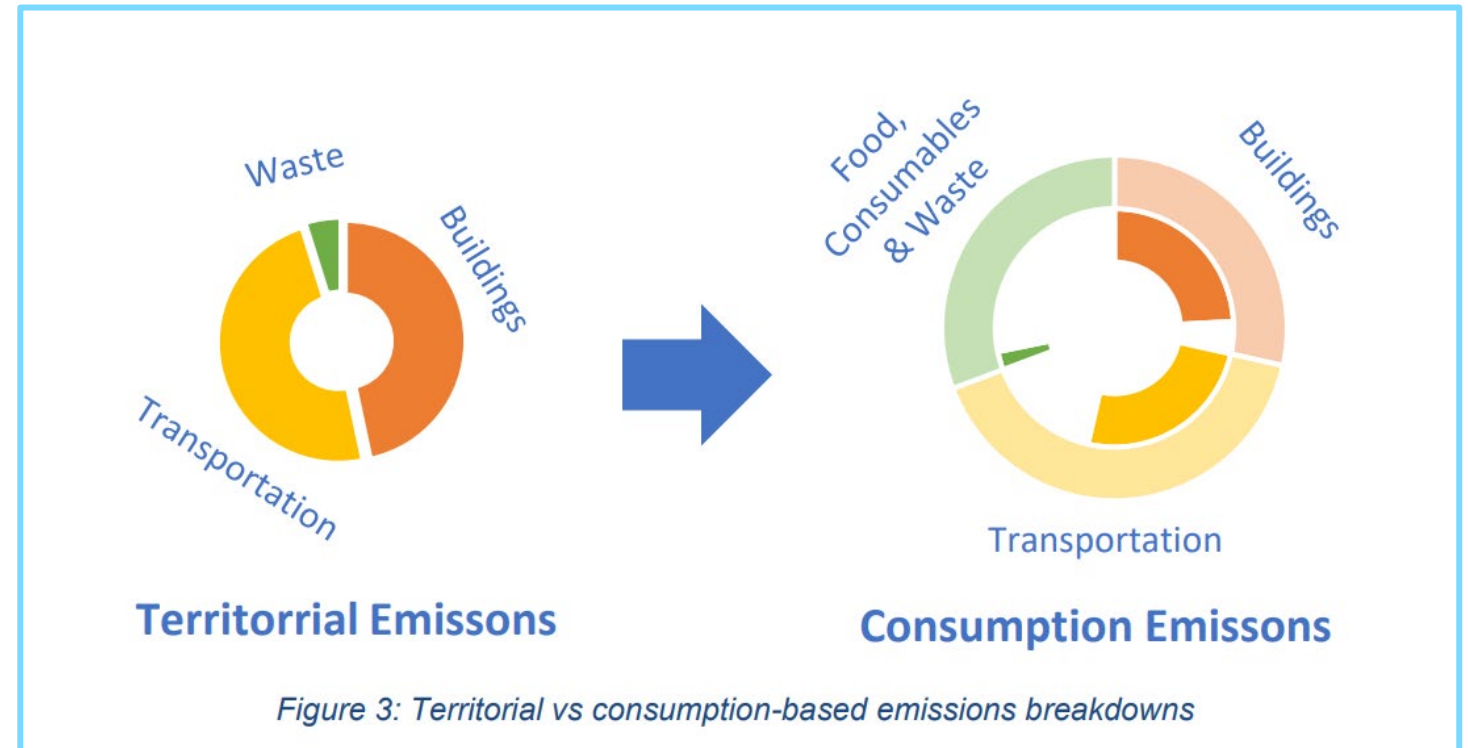
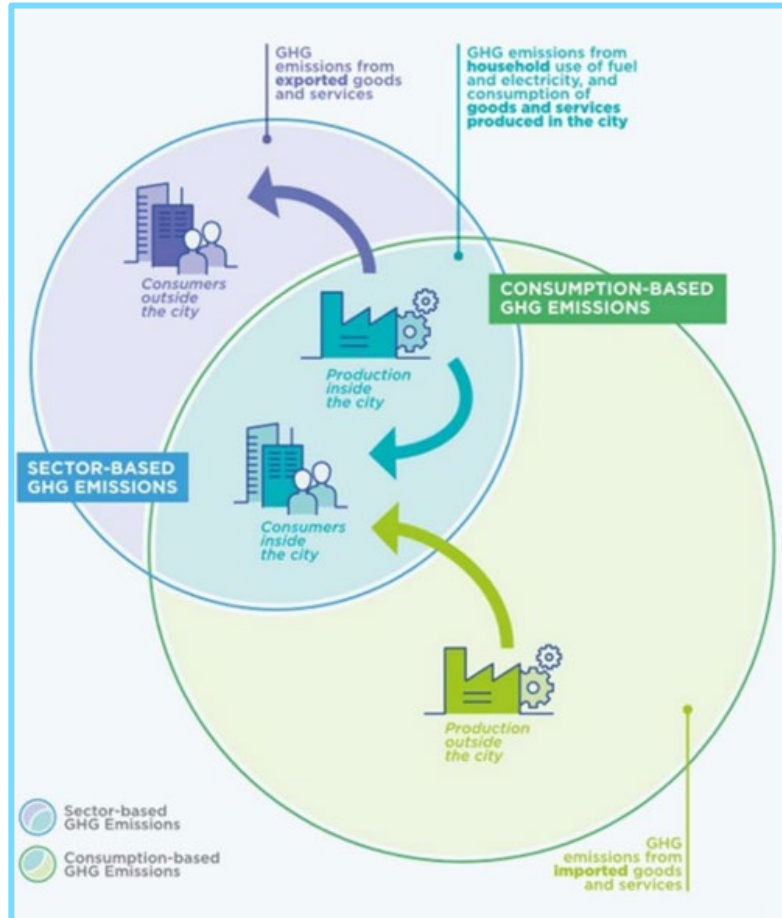
Plan to complete a consumption-based inventory every four years (latest one was for 2021)

Four key focus areas identified:

- Low carbon building materials
- gasoline and diesel fuel use
- food waste
- reduce/reuse/recycle of consumable goods

# Embodied Emissions

## Consumption-based Inventory Example







# Economics of Climate Change

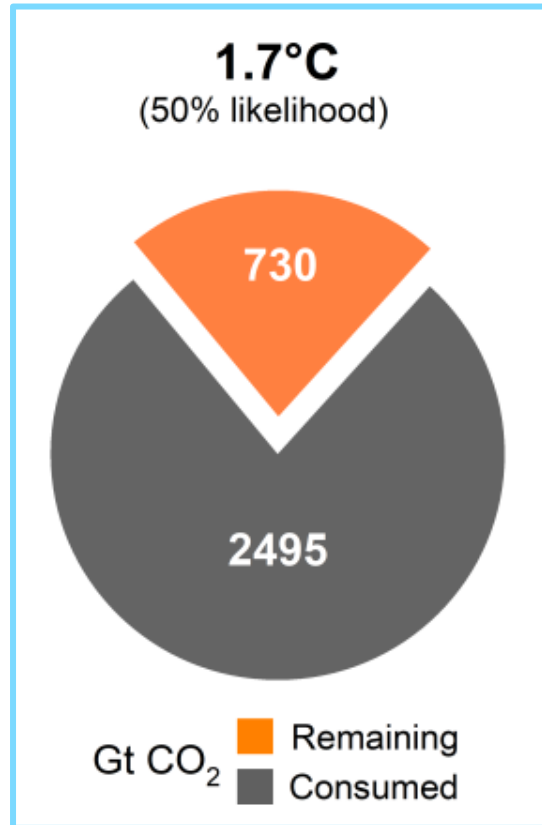
- The City is working with ICLEI Canada to complete a “The Cost of Doing Nothing” assessment



# Carbon Budgeting and Annual Reporting

- City to begin developing a high-level Climate Budget focused on high impact initiatives
- Linking high impact actions to an estimated emissions reduction and funding approach

# Carbon Budgets vs Climate Budgets



# Next Steps

- Continue implementation of existing climate initiatives
- Begin expanding the climate action program as described in this report
- Revisions to the CLP be developed by end of 2024
  - building off the existing plan,
  - Incorporating recent plans and strategies,
  - Incorporating action prioritization and program costs
- Bring Building Emissions and Reduction Plan to council in Q3 2024



# Recommendation

- That Council direct staff to update the Victoria's 2050 community greenhouse gas emissions reduction targets to align with province's commitment to net zero by 2050.