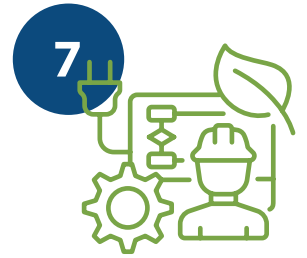




BIG MOVE 7

MUNICIPAL CLIMATE LEADERSHIP



BIG MOVE 7:

MUNICIPAL CLIMATE LEADERSHIP

Municipal operations generate GHG emissions, primarily from the use of fossil fuels (i.e. natural gas, gasoline, and diesel) to heat civic buildings and to power fleet vehicles that deliver services, such as garbage and recycling collection, to our community.

Reducing these emissions is critical for showing leadership, demonstrating the use of low-carbon technologies in a local context, and motivating stakeholders and the public to take action at the community scale.

Municipal climate leadership strategies commit the City to a goal of becoming zero-carbon by switching to cleaner, low-carbon energy sources and improving the energy efficiency of buildings, infrastructure, and fleet vehicles. To support this, it will be necessary to integrate climate action into strategic decision making and budgeting processes and to build staff capacity to meet emissions reduction targets. The City can act as

a catalyst for local action by making investments that will stimulate the green building and energy economy in Kamloops while also realizing savings (e.g. reduced operating costs of electric fleet vehicles).

Using creative and engaging communications, the City will help the community understand how it can support emissions reductions targets and inspire local actions big and small to reduce our collective carbon footprint. It will also be important to foster collaborations with Tk'emlúps te Secwépemc that enhance understanding of traditional ecological knowledge and Indigenous perspectives on environmental conservation and climate change.

CO-BENEFITS



Improved Air Quality



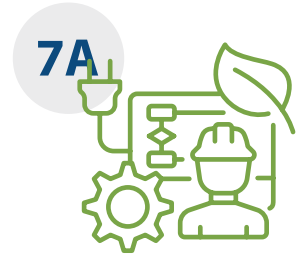
Green Economy and Innovation



Enhanced Livability



The City of Kamloops will reduce carbon emissions from municipal operations by 40% by 2030 and 100% by 2050.



7A - Zero-Carbon Civic Operations

GOAL:

To decarbonize municipal operations by improving the efficiency of civic facilities, fleet, and infrastructure and transitioning to low-carbon energy sources.

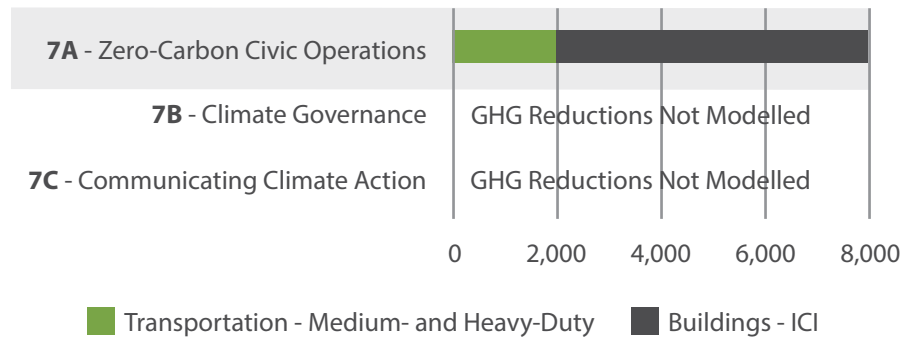
ECONOMIC CONSIDERATIONS:

- The cost of retrofitting civic facilities is estimated at \$1 million per year (on average) and electrifying City fleet vehicles and electric vehicle charging infrastructure at \$1.1 million/year over 15 years.ⁱ
- Annual net fuel cost savings of \$1.4 million are estimated once the entire fleet has been converted to electric, with a 40% decrease in maintenance costs.ⁱⁱ

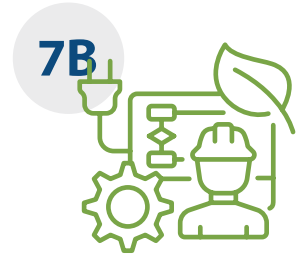
ACTIONS:

- ❑ Develop and implement corporate energy and emissions policies and strategies to increase energy efficiency and phase out fossil fuel use in new and existing civic buildings and infrastructure.
- ❑ Develop and implement a Green Fleet Strategy that reduces overall vehicle use, prioritizes the use of zero-emissions fleet vehicles and/or renewable transportation fuels, and includes provisions for reducing emissions from tools and equipment.
- ❑ Develop programs and end-of-trip amenities to encourage employees to use transit, low-carbon, and active transportation modes for commuting and work-related travel.

PROJECTED ANNUAL GHG REDUCTIONS BY 2050:



8,000
tCO₂e
(Moderate)



7B - Climate Governance

GOAL:

To incorporate climate action decision-making tools and policies to ensure all City department work plans and capital and operating budgets are aligned with the corporate emissions reductions targets.

ECONOMIC CONSIDERATIONS:

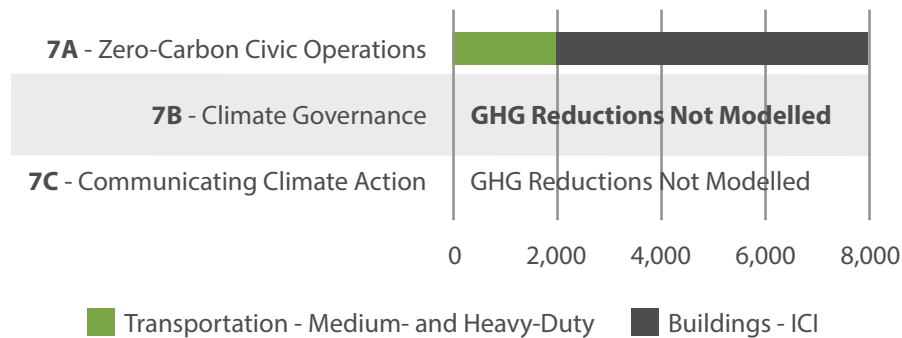
- Adding carbon reduction considerations into budgeting and purchasing processes reflects wider societal costs.
- Reducing municipal carbon emissions mitigates future costs incurred from increasing provincial and federal carbon taxes.

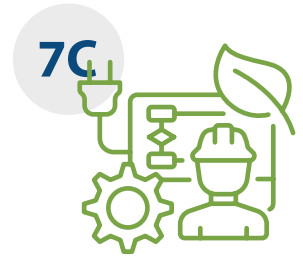
ACTIONS:

- Embed climate action considerations into the supplemental budget request process and, where possible, identify related metrics (i.e. key performance indicators).
- Establish a carbon budget framework, internal carbon price, and/or other tools that apply a climate lens to budget planning and decision making and support accountability for meeting corporate emissions reduction targets.
- Review and update the Sustainable Procurement Policy.

PROJECTED ANNUAL GHG REDUCTIONS BY 2050:

*This strategy was not modelled for emissions reductions but it is necessary to enable emissions reductions in other areas. For example, establishing processes that integrate climate action criteria into decision-making will help drive emissions reductions in municipal operations.





7C - Communicating Climate Action

GOAL:

To engage residents on the actions they can take to address climate change and reduce emissions at home, at school and in the workplace.

ECONOMIC CONSIDERATIONS:

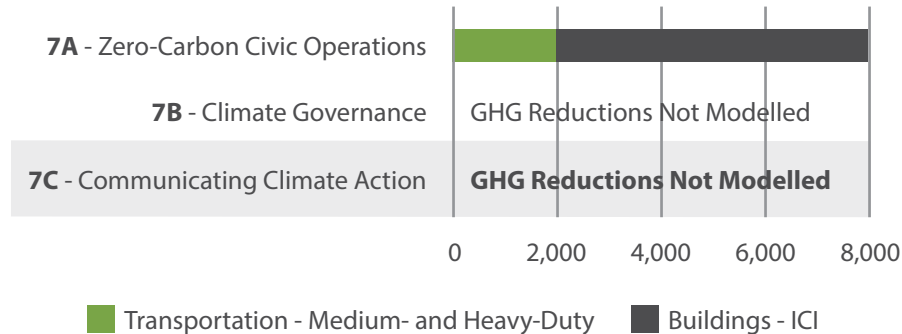
- City communications may be the primary way that residents and businesses learn about actions they can take and available programs and economic incentives to support them.
- Education on climate action can be integrated into existing outreach programs delivered by the City.
- Educational initiatives from the City aim to reduce economic barriers to participation (e.g. hosting free, family-friendly events in locations accessible by transit and presenting directly to community organizations and businesses upon request whenever feasible).

ACTIONS:

- ❑ Develop and deliver campaigns that educate about climate change and how residents and businesses can reduce GHG emissions, including partnerships with the arts community (e.g. theatre, film, and art exhibits on climate action).
- ❑ Partner with education providers to deliver campaigns on climate action that foster a culture of sustainability amongst youth (e.g. supporting curriculum development with School District No. 73).

PROJECTED ANNUAL GHG REDUCTIONS BY 2050:

*This strategy has not been modelled, but engaging the community on all aspects of climate action will help motivate businesses and residents to take actions that lead to emissions reductions.

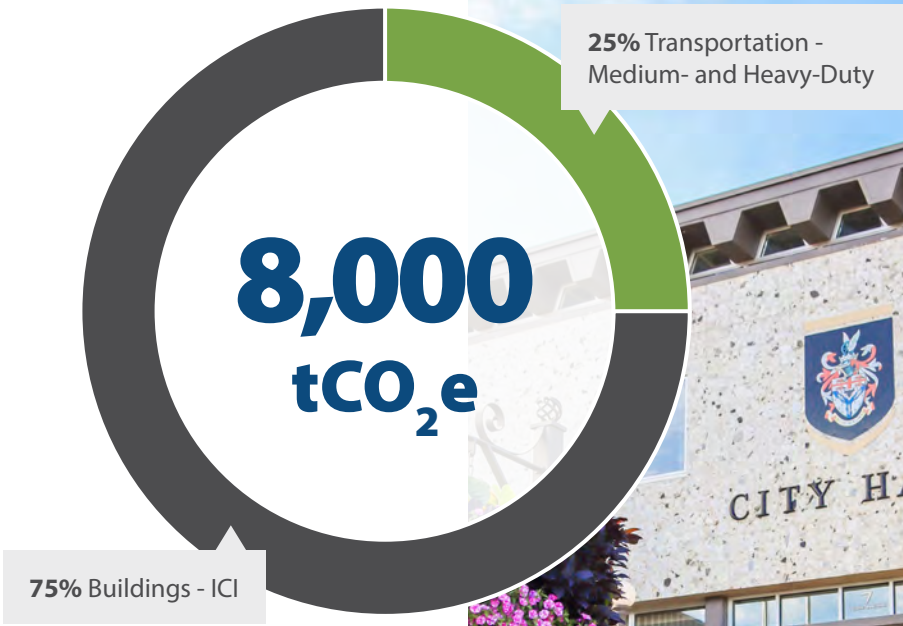


TOTAL BIG MOVE 7

PROJECTED ANNUAL EMISSIONS REDUCTIONS

(tCO₂e) BY 2050, BY SECTOR

While the emissions from municipal operations are a small percentage of overall community-wide emissions, the City has an important role to play in demonstrating leadership for local climate action. The projected emissions reductions result from switching to low-carbon energy sources and improved efficiency of City-owned buildings and fleet vehicles.



¹ "CCAP Economic Analysis Summary," City of Kamloops.

ⁱⁱ Ibid.