

Local Climate Solutions

Excess greenhouse gas (GHG) emissions from human activities, such as burning fossil fuels like oil, gas, and coal, are resulting in more heat being trapped in our atmosphere. Climate change impacts are being felt in every corner of the globe, and now is the time for collective action.

In our region, we are already experiencing an increased frequency of heat waves, droughts, wildfires, and flooding. Compounding these impacts, other changes are occurring more gradually, such as glaciers melting, which reduces long term freshwater supply.

At least 1°C of global heating above pre-industrial levels has already occurred. According to the Intergovernmental Panel on Climate Change, global temperature rise must stay below 1.5°C to avoid the most catastrophic consequences of the climate crisis. This can be done by working together to drastically reduce GHG emissions and balance remaining emissions through carbon sinks (e.g. plants and soils).

**1.5°C
RISE LIMIT**

WEATHER VS CLIMATE?

Weather can change from minute-to-minute and day-to-day, whereas climate describes the average pattern of weather in a particular region over a long period of time (usually decades).

Small changes in climate can have extreme impacts. For example, when much of Canada was covered in glaciers and ice sheets, the average global temperature was only 4°C lower than it is now.

THE CITY'S CLIMATE COMMITMENT

The Community Climate Action Plan (2021) contains 8 Big Moves that outline ambitious strategies to reduce fossil fuel use and enhance our resilience to the impacts of the climate crisis.



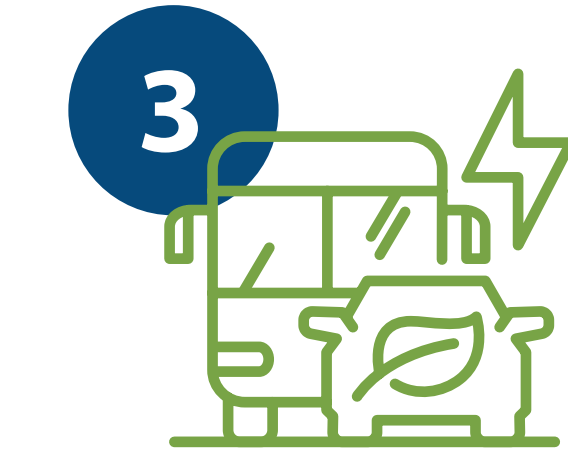
BIG MOVE 1: Low-Carbon Development

Promoting compact, mixed-use development supported by sustainable transportation options.



BIG MOVE 2: Car-Light Community

Facilitating the increased uptake of walking, cycling, carpooling, and transit.



BIG MOVE 3: Zero-Emissions Transportation

Supporting zero-emission vehicle use.



BIG MOVE 4: Zero-Carbon Homes & Buildings

Ensuring all buildings maximize energy efficiency and use low-carbon energy sources.



BIG MOVE 5: Zero-Waste/Circular Economy

Enhancing waste reduction, diversion, upcycling, and reuse.



BIG MOVE 6: Renewable Energy

Supporting localized renewable energy production and use.



BIG MOVE 7: Municipal Climate Leadership

Taking the lead in shifting to zero-carbon facilities and fleets and applying a climate lens to planning and decision-making.



BIG MOVE 8: Healthy Urban Ecosystem

Preserving ecosystems and using green infrastructure to provide carbon sequestration and climate resilience.

COMMUNITY GHG REDUCTION TARGETS

**30%
BY 2030**

**80%
BY 2050**

PRIMARY SOURCES OF GHG EMISSIONS IN KAMLOOPS (2017)

Energy Use in Buildings 29%

Waste Decomposition 5%

Fossil Fuel-Powered Transportation 66%

Co-Benefits of Climate Action:

- improved air and water quality
- a more connected, active, and healthy community
- opportunities for green jobs and innovation



MAKING THE CONNECTION

Which Big Move are you most interested in and why?



CLIMATE CONNECTIONS TRAIL



Canada's Tournament Capital