

CITY OF ABBOTSFORD | **LCGAP**
Survey Report 2023



LGCAP 2024

Introduction

Reaching net-zero emissions and adapting to a changing climate will require a whole-of-society approach. The Local Government Climate Action Program (the Program or LGCAP) aims to catalyze the efficient flow of financial resources, data and knowledge between Modern Treaty Nations, local governments, and the Provincial Government to allow for cost effective, impactful, locally implemented climate action. For more information about the Program you can refer to the website.

What is climate action?

For the purposes of this program, a climate initiative or action is one that reduces greenhouse gas (GHG) emissions (mitigation) and/or strengthens resilience to the impacts of climate change (adaptation). This includes (but is not limited to): climate-related hazards; integrating climate change measures into policies, strategies and planning; improving education, raising awareness of climate change causes and solutions, increasing human and institutional capacity with respect to climate change mitigation and adaptation, and impact reduction and early warning systems.

Information collected will:

Highlight local government and Indigenous climate leadership;
Profile action by including local government and Modern Treaty Nation emissions, resilience and climate action performance data in the annual Climate Change Accountability Report;
Help inform policy development and monitor progress on achieving provincial and local climate objectives; and
Support provincial efforts to better collaborate with and support communities to advance climate action.

The survey was informed by:

Feedback from local governments, Modern Treaty Nations and ministerial partners;
National and international GHG reporting protocols; and
The CDP (formerly Carbon Disclosure Project, a global non-financial disclosure system).

The Survey

Climate Action Planning

Climate Action Plans are strategic roadmaps that identify how an organization will reduce their greenhouse gas (GHG) emissions (mitigation), increase their resilience to the impacts of climate change (adaptation), or a combination of both.

To answer the following questions, consider staff that contribute to activities that reduce greenhouse gas (GHG) emissions and/or strengthen resilience and the ability to adapt to climate-induced impacts. This includes (but is not limited to): climate-related hazards; integrating climate change measures into policies, strategies and planning; improving education, raising awareness of climate change causes and solutions, increasing human and institutional capacity with respect to climate change mitigation and adaptation, and impact reduction and early warning systems.

Question 1 a): How many staff in full time equivalents (FTEs) are dedicated to working specifically on climate action?

If a staff member is a climate action coordinator and works 100% on climate-related issues, add 1.0.

3.0

Question 1 b): How many staff in full time equivalents (FTEs) are dedicated to working on climate action in other departments such as transportation or engineering?

For example: Can include staff in engineering, emergency management, transportation, waste management, etc. related to climate work but whose primary role is not working on climate action. If a staff member works approximately 25% (please estimate) on climate-related issues, add 0.25. Working on climate-related issues does not need to be written into the staff member's job description to be counted here.

2.5

Question 2 a): Does your local government or Nation have a community-wide climate action plan or other guiding document(s)?

Yes

No

If not, please select one or more options from the list.

- No, but we are currently undertaking one and it will be completed in the next two years.
- No, we are not intending to undertake one due to lack of financial capacity.
- No, we are not intending to undertake one due to lack of expertise or technical capacity.

Question 2 b): Does your local government or Nation have a corporate climate action plan or other guiding document(s)?

- Yes
- No

Please select the type of plan(s) from the list.

In the textbox, indicate the date the plan was adopted/approved in format YYYY-MM. If you don't remember the month, you can enter "01" for January.

- Integrated climate plan (addressing mitigation, adaptation and/or energy use)
- Integrated climate plan (addressing mitigation and adaptation)
- Integrated climate plan (addressing mitigation and energy)
- Integrated climate plan (addressing adaptation and energy)

Standalone mitigation plan

2019-01

- Standalone adaptation plan
- Standalone energy-related plan
- Don't know

Please include a link to the document or webpage if available.

Three documents guide corporate climate action for City of Abbotsford: Green Fleet Strategy (2019): <chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://abbotsford.civicweb.net/document/55530/>
Green Buildings Policy (2022): <https://laws.abbotsford.ca/civix/document/id/coa/coaoother/c00202>
Strategic Energy Management Plan (2023): not publicly available

Question 3: Has your local government or Nation declared a climate emergency?

Yes

No

Question 4: Please select up to 3 challenges impeding the advancement of climate action in your community.

Lack of jurisdiction.

Lack of staff capacity or expertise.

Lack of financial resources.

Lack of data or information.

Lack of provincial or federal government support or collaboration.

Competing priorities.

Other.

Optional: Is local political support a challenge your local government faces that is impeding climate action?

Yes

No

Traditional Services Greenhouse Gas Emissions

Measuring traditional services emissions (defined in previous years as corporate emissions) is a Program requirement for all communities with a 2020 population of 10,000 and above (see population statistics here). Traditional services GHG emissions are those produced by the delivery of local government or Modern Treaty Nation “traditional services” including:

- Fire protection,
- Solid waste management,
- Recreational / cultural services,
- Road and traffic operations,
- Water and wastewater management, and
- Local government administration.

Please see the following resources for guidance:

- LGCAP Traditional Services Boundaries and Scope Guidance,
- Scope Summary Document,
- Traditional Services Inventory Reporting Tool,
- Contracted Services Emissions Guidance,
- Contracted Emissions Calculator,
- BC Best Practices Methodology for Quantifying GHG Emissions, and
- Emission Factors Catalogue.

Question 5: For the 2023 calendar year, has your local government or Nation measured and reported associated traditional services GHG emissions?

- Yes
- No
- No, but for a past year. (Please enter most recent year completed: YYYY)

If your local government or Nation measured 2023 traditional services GHG emissions, please report the GHG emissions from services delivered directly by your local government (in tonnes of carbon dioxide equivalent) from scope 1 and 2 sources.

3753

If your local government or Nation measured 2023 traditional services GHG emissions, please report the GHG emissions from contracted services (in tonnes of carbon dioxide equivalent) from scope 1 and scope 2 sources.

336

If your local government or Nation measured 2023 traditional services GHG emissions, please report the total GHG emissions from both directly delivered and contracted services (in tonnes of carbon dioxide equivalent) from scope 1 and scope 2 sources.

This would be the sum of the two questions above.

4089

If your local government or Nation measured 2023 traditional services GHG emissions, please report what protocol you used to measure emissions.

2023 B.C. Best Practices Methodology for Quantifying Greenhouse Gas Emissions

Optional: Please indicate how many tonnes of CO₂e are associated with facilities.

1832

Optional: Please indicate how many tonnes of CO₂e are associated with mobile sources.

1681

Please provide the link to the public report if available.

Optional

Not yet available. Corporate and community climate action update, including LGCAP survey report, brought to Council annually prior to LGCAP survey posted publicly.

Community-Wide Greenhouse Gas Emissions

B.C. Climate Action Charter signatories have committed to measuring and reporting their community-wide GHG emissions generated from all GHG sources (anthropogenic) within their community boundary.

The Community Energy and Emissions Inventory (CEEI) initiative provides a provincial framework for tracking and reporting energy and GHG emissions at a community-wide scale. It is published with a two-year lag, however, raw data can be requested by local governments that wish to measure and report their community-wide emissions for the buildings and solid waste sectors ahead of publication.

The Climate Action Secretariat (CAS) is aware that some local governments are developing their own community-wide GHG emissions inventories (separate from the provincial CEEI) . A better understanding of community-wide emissions measurement across B.C. will help CAS as we upgrade CEEI.

Question 6: For the 2023 calendar year, have community-wide GHG emissions been measured for your local government or Nation?

- Yes
- In-progress
- No

If not, please select all that apply from the list.

- No, community GHG emissions were not reported because the 2023 Provincial Community Energy and Emissions Inventory data has not been released.
- No, we do not measure and report community-wide emissions data due to lack of financial capacity.
- No, we do not measure and report community-wide emissions data due to lack of staff and technical capacity.
- No, we do not measure and report community-wide emissions annually. (Please indicate most recent year completed: YYYY)

If not, has your community or Nation measured and reported community-wide emissions in the past?

Yes

No

When was the last year your community or Nation reported its community-wide emissions and what is the interval for reporting (ex. 2022, every 5 years)?

2020 community emissions were measured but not publicly disclosed. Reporting interval varied depending on financial and staff capacity and availability of Provincial CEEI data.

Please report your community-wide transportation sector emissions in tonnes of CO₂e for the most recent year available.

0

Please report your community-wide buildings sector emissions in tonnes of CO₂e for the most recent year available.

0

Please report your community-wide solid waste sector emissions in tonnes of CO₂e for the most recent year available.

0

If your local government or Nation measured your community-wide emissions, please report the protocol(s) you used to measure emissions.

- Global Protocol for Community-Scale Greenhouse Gas Emissions Inventories (GPC).
- GCoM Common Reporting Framework (CRF).
- 2006 IPCC Guidelines for National Greenhouse Gas Inventories.
- U.S. Community Protocol for Accounting and Reporting of Greenhouse Gas Emissions (ICLEI USA).
- Regional specific methodology (CEEI).
- Jurisdiction specific methodology.
- Other.

Question 7: Currently, the Province's legislated GHG emission reduction targets are 40% by 2030, 60% by 2040 and 80% by 2050, relative to 2007. Please state your local government or Nation's target(s).

Please enter "0" if no targets or baseline are established for the years given in the table.

	Reduction Percentage (format: e.g., 40)	Baseline Year (format: e.g., 2007)
2030	0	0
2040	40	2007
2050	0	0

If your local government or Nation's targets don't conform to the target years noted above, please enter them here. Format e.g.: target 2035 50% baseline 2010, target 2060 70% baseline 2010, ...

Target 2025 20% reduction per capita, baseline 2007

Question 8: Does your local government or Nation have net-zero or carbon-neutral emissions target(s)?

Please select all that apply.

- Yes: Community-wide net-zero target (Net-zero refers to a jurisdiction or organization achieving a balance between greenhouse gas emissions produced and removed from the atmosphere (e.g. planting trees or using carbon capture technologies))
- Yes: Corporate carbon neutrality (Carbon neutral refers to an organization reducing emissions as much as practicable and then offsetting the remainder by purchasing offsets or other similar mechanisms)
- Yes: Corporate net-zero target (Net-zero refers to a jurisdiction or organization achieving a balance between greenhouse gas emissions produced and removed from the atmosphere (e.g. planting trees or using carbon capture technologies))
- No

Question 9: Please select up to three supporting indicators that would be most valuable to your local government or Nation to advance climate action (these indicators were previously reported through the Community Energy and Emissions Inventory initiative).

- Housing type: Private dwellings by structural type
- Floor area: Average floor area by building category and era
- Residential density: Population and dwelling units per "net" land area
- Commute by mode: Employed labour force by mode of commute
- Greenspace: Land area that is parks and protected greenspace
- Walk score: Proximity to services
- Proximity to transit: Persons, dwelling units and employment within walking distance of a "quality" transit stop/line
- Other

Data regarding riparian areas/watercourses in the City; any information on overall ecosystem quality/health, or any detailed mapping layers

Optional: Please provide any further comments you wish to share on community-wide emissions measurement and reporting here.

N/A

Provincial Policy Alignment - Mitigation

The CleanBC Roadmap to 2030 is B.C's plan to meet provincial emissions reduction targets to be 40% below 2007 levels for 2030 and set us on course to reach net-zero emissions by 2050.

One requirement of this Program is that you must report on a minimum of one project linked to objectives from the CleanBC Roadmap to 2030 and/or Climate Preparedness and Adaptation Strategy (CPAS). Funding does not need to come from this program. For questions 10-13, if your community reports one initiative related to one sector (e.g. buildings) you have satisfied this requirement. That said, please select all that apply.

Question 10: Please indicate all climate initiatives your local government or Nation had in-progress, ongoing or completed in the 2023 calendar year related to the buildings sector. This should not be limited to what your LGCAP funding supported.

- Corporate
- Community
- Not applicable

Corporate buildings policies, programs and actions.

- Highest efficiency standards for new space and water heating equipment.
- BC Energy Step Code adoption (Step 3 or higher).
- Zero Carbon Step Code adoption.
- Efficiency upgrades/retrofits.
- Requirement to use mass timber in buildings construction.
- Requirement to measure embodied carbon.
- Other.

Please enter the step for part 3 buildings (Energy Step Code).

Optional

Step 2

Please enter the step for part 9 buildings (Energy Step Code).

Optional

Step 3

Community-wide buildings policies, programs and actions.

- Topping up Provincial energy efficiency incentive programs.
- Highest efficiency standards for new space and water heating equipment.
- BC Energy Step Code adoption (Step 3 or higher).
- Zero Carbon Step Code adoption.
- Requirement to use mass timber in buildings construction.
- Requirement to measure embodied carbon.
- Other.

Please enter the step for part 3 buildings (Energy Step Code).

Optional

Step 2

Please enter the step for part 9 buildings (Energy Step Code).

Optional

Step 3

Please highlight a community project(s) that was in-progress, ongoing or completed in the 2023 calendar year related to buildings. Please enter NA if your community reported no buildings initiatives ongoing, completed or in-progress for 2023.

- Completed 30% design for the Abbotsford Recreation Centre (ARC) Heat Recovery & Optimization (HeRO) project. - Implementation of the Green Buildings Policy through the ongoing Abbotsford Police Department Addition (new construction) and ARC HeRO Project (retrofit project). - Developed a Residential Retrofit Program Framework to guide program design and support residents in reducing their carbon footprint through home decarbonization and energy efficiency improvements.

Question 11: Please indicate all climate initiatives your local government or Nation had in-progress, ongoing or completed in the 2023 calendar year related to the transportation sector. This should not be limited to what your LGCAP funding supported.

- Corporate
- Community
- Not applicable

Corporate transportation policies, programs and actions.

- Programs to increase high-occupancy (2 or more people) vehicle trips (i.e. carpooling).
- Established personal (passenger) transportation target goals, and measures to reach them, in annual reports – may include target goals for vehicle kilometre reduction, mode share for active transportation and zero-emission vehicles.
- Established commercial transportation target goals, and measures to reach them, in annual reports – may include target goals for vehicle kilometre reduction, mode share for energy efficient commercial transportation and zero-emission vehicles.
- Implemented zero-emission vehicle first procurement policy for all local government on and off-road vehicles purchases.
- Implemented a zero-emission vehicle preference or requirement for contracted work from a service provider.
- Active transportation infrastructure investments.
- Active transportation education and encouragement programs.
- Expanded micromobility access, bylaws and/or infrastructure (e.g. introduced or expanded bike/e-bike/e-scooter sharing programs, built new bike/scooter lanes, updated bylaws for use of bikes/scooters).
- Installation of secure bike parking (i.e. bike valet).
- Electric vehicle charging studies/planning.
- Electric vehicle charging infrastructure investments.
- Required new and/or existing gasoline and card lock fuel stations to include zero-emission vehicle infrastructure development.
- Not applicable.

■ Other.

- GHG saved due to EV chargers: City-owned electric chargers saved approximately 130 t CO2e in 2023. -Continued to implement the Green Fleet Strategy & increase use of sustainable fuels, including 24 heavy duty trucks & 7 garbage trucks running completely on renewable diesel. Renewable diesel makes up more than half the fuel consumed by the City's heavy duty trucks & garbage trucks, reducing fleet's carbon footprint by 1,430 tons since 2021, the same as taking 340 cars off the road for 1 year.

Community-wide transportation policies, programs and actions.

Programs to increase high-occupancy (2 or more people) vehicle trips (i.e. carpooling).

■ Improving or expanding public transportation.

■ Mode shift targets for passenger and/or commercial transportation (shifting from private vehicles to sustainable modes like walking, cycling and public transit) in Official Community Plan, Regional Growth Strategy or other guiding documents.

■ Established personal (passenger) transportation target goals, and measures to reach them, in annual reports – may include target goals for vehicle kilometre reduction, mode share for active transportation and zero-emission vehicles.

Established commercial transportation target goals, and measures to reach them, in annual reports – may include target goals for vehicle kilometre reduction, mode share for energy efficient commercial transportation and zero-emission vehicles.

Bylaws updated to prioritize energy efficient transportation hierarchy (i.e. pedestrians first).

Revising existing bylaws or implementing new ones to support active transportation.

■ Active transportation planning.

■ Active transportation infrastructure investments.

Active transportation education and encouragement programs.

■ Expanded micromobility access, bylaws and/or infrastructure (e.g. introduced or expanded bike/e-bike/e-scooter sharing programs, built new bike/scooter lanes, updated bylaws for use of bikes/scooters).

Bylaws that reduce or eliminate off street parking requirements.

Implement pedestrian plazas, car-free streets (temporary or permanent) or limited-access automobile streets.

Installation of public secure bike parking (i.e. bike valet).

- Neighbourhood or community-wide speed limit reductions.
- Electric vehicle charging studies/planning.
- Mandatory EV infrastructure in new construction.
- Established electric vehicle charging ready bylaws.
- Electric vehicle charging infrastructure investments.
- Streamlined hydrogen fueling station permitting process.
- Required new and/or existing gasoline and card lock fuel stations to include zero-emission vehicle infrastructure development.
- Required green roads certification for any new or significantly modified existing roads.
- Not applicable.
- Other.

Please highlight a community project(s) that was in-progress or completed in the 2023 calendar year related to transportation. Please enter NA if your community reported no transportation initiatives ongoing, completed or in-progress for 2023.

• Construction began of Montrose Avenue downtown Transit Exchange that will include 10 transit bays, bike lockers, and result in wider sidewalks, with additional street trees and furniture. • Construction of the Fraser Highway Improvement Project which will help to reduce traffic congestion and road safety on this important traffic corridor. • Completion of the Vye Road Overpass removed an at-grade railroad crossing which improves safety and efficiency for motorist, cyclists, and pedestrians. • Installed green-coloured cyclist conflict road markings at urban intersections • 1.8km bikeway linking the University of the Fraser Valley to downtown bus exchange on Montrose Ave enhanced with road markings and signage • Began construction of the Marshall Corridor Improvement Project, which transforms this collector road into a complete street, including separated bike lanes, sidewalks and upgraded transit infrastructure • Completed new sidewalk installations through the Walking Infrastructure Program at nine locations including Blueridge Drive and Mayfair Avenue. • Installed six new RRFB crosswalks at locations including Mill Lake Park, Townhill Park, Palfy Park, and Centennial Park Elementary School • Installed special crosswalk at Whatcom Road and Lower Sumas Mountain Road.

Question 12: Please indicate all climate initiatives your local government or Nation had in-progress, ongoing or completed in the 2023 calendar year related to community-wide and corporate action. This should not be limited to what your LGCAP funding supported.

- Corporate
- Community
- Not applicable

Corporate climate policies, programs and actions

- Circular economy or zero waste strategy.
- Sustainable procurement policy.
- Renewable energy investments (e.g. district energy, waste heat recovery, biomass).
- Green/blue carbon sequestration.
- Compliance carbon offset projects.
- Voluntary carbon offset projects.
- Not applicable.
- Other.

Community-wide climate policies, programs and actions.

- Complete, compact communities
- Organics diversion
- Circular economy or zero waste strategy
- Renewable energy investments (e.g. district energy, waste heat recovery, biomass)
- Green/blue carbon sequestration
- Not applicable
- Other

Complete, Compact Communities - Please select all that apply.
See Complete Communities Guide and Program for supports advancing identified community goals through the creation of more complete, compact and energy efficient communities.

- Rezoning
- Smaller lots
- Density bonuses
- Secondary suites and laneway homes
- Infill development
- Urban containment boundaries
- Official Community Plans
- Regional Growth Strategies
- Community Development Plans

Please highlight a community project(s) that was in-progress, ongoing or completed in the 2023 calendar year related to community-wide or corporate action. Please enter NA if your community reported no community-wide or corporate initiatives ongoing, completed or in-progress for 2023.

- Adopted the McKee Neighborhood Plan - Active infill development, supportive of rezonings, smaller lots, secondary suites, etc. - Completed a review and update of the Community Amenity Contributions and Density Bonus Program - Scoping & work planning for the Official Community Plan update - Completed two waste composition studies in summer and fall of 2023. The results help inform the City's waste education and outreach programming. Ongoing studies also provide an opportunity to identify long term trends and better understand overall solid waste composition and seasonal impacts - Developed a robust monitoring and enforcement program to address recycling contamination in the curbside collection program. There were over 28,000 touchpoints with residents including 16,000 postcards sent, 5,000 curbside audits completed, 1,100 "Star Recyclers" recognized, 800 warning letters issued, 200 Customer inquiries received, 100 bylaw tickets issued, and 70 campaigns/events. This amounts to a 173% increase in touchpoints compared to 2022 - Over 5000 curbside recycling audits were completed. The majority of residents (>80%) are doing a great job recycling. This includes 1,100 perfectly sorted recycling carts which were recognized with a "Star Recycler" designation, achieving an overall program diversion rate of 61.6% - Launched Contamination Remediation Plan including a comprehensive education and enforcement program aimed at reducing recycling contamination in the curbside collection program.

Provincial Policy Alignment - Resilience and Adaptation

The goal of climate adaptation is to reduce risk and vulnerability associated with climate change impacts. To manage climate impacts, local governments and Nations are integrating climate adaptation principles into decisions and everyday activities.

One requirement of this Program is that you must report on at least one or more project(s) linked to one or more objectives from the CleanBC Roadmap to 2030 and/or the Climate Preparedness and Adaptation Strategy (CPAS) in Questions 10-13. If your community reports one initiative related to one sector you have satisfied this requirement, but please select all that apply for Questions 10-13.

Question 13: Please indicate all initiatives your local government or Nation had completed, ongoing or in-progress in the 2023 calendar year to adapt to and build resilience to climate impacts. This should not be limited to what your LGCAP funding supported.

- Corporate
- Community
- Not applicable

Corporate resilience and adaptation policies, programs and actions.

- Undertaking or completing a risk assessment at the asset or project level.
- Undertaking or completing a Hazard Risk Vulnerability Analysis (HRVA) at the asset or project level.
- Addressing current and future climate risks through plans, adaptation measure implementation, programs, service delivery, asset management and/or other functions.
- Collaboration with other communities on resilience planning/initiatives.
- Monitoring climate risks or impacts (floods, wildfire, etc.).
- Providing training (adaptation and mitigation skills).
- Creation of policy/procedures to affect change (climate considerations into decision-making processes).
- Creating data systems to support climate action.
- Utilizing natural assets/nature-based solutions.
- Developing emergency/hazard response plans.
- Not applicable.
- Other.

Community-wide resilience and adaptation policies, programs and actions.

- Undertaking or completing a risk assessment at the community level.
- Undertaking or completing a Hazard Risk Vulnerability Analysis (HRVA) at the community level.
- Addressing current and future climate risks through plans, adaptation measure implementation, programs, service delivery, asset management and/or other functions.
- Collaboration with other communities on resilience planning/initiatives.
- Hydroclimatological data collection.
- Monitoring climate risks or impacts (floods, wildfire, etc.).
- Public engagement on climate risks and actions.
- Providing training (adaptation and mitigation skills).
- Creation of policy/procedures to affect change (climate considerations into decision-making processes).
- Creating data systems to support climate action.
- Utilizing natural assets/nature-based solutions.
- Developing emergency/hazard response plans.
- Not applicable.
- Other.

Please highlight one or more climate adaptation project(s) that were completed, ongoing or in-progress in the 2023 calendar year to reduce risk and increase resilience. Please enter NA if your community reported no community-wide or corporate initiatives ongoing, completed or in-progress for 2023.

Please note that highlights for resilience actions may be shared with the Ministry of Emergency Management and Climate Readiness (EMCR) for them to use on ClimateReadyBC as part of their work on sharing info on climate resilience in BC. EMCR may follow up for more details if needed.

- Initiated process to update the Tree Protection Bylaw. Conducted comprehensive review and engagement process in summer 2023 including community engagement data gathered through previous Urban Forest Strategy consultation, and best practice research from other municipalities. - Planted 6214 trees and shrubs citywide in 2023 with the help of 500 volunteer hours and \$18,000 in grants and donations - Developed an Asset Management Governance and Accountability Framework demonstrating the City's dedication to incorporating climate action into built and natural infrastructure planning and decision-making. - Submitted a \$1.6B Disaster Mitigation and Adaptation Funding application in July 2023 to pursue funding to advance three elements of "urgent works" (Barrowtown Pump Station Resiliency, Sumas River Conveyance System, and Habitat Enhancement/Flood Storage Area) identified through the Sumas River Watershed Flood Mitigation Collaborative Framework. - Continued updates of the City's Water Shortage Response Plan with changes in triggers for water restrictions that support resilience in water usage and resulted in water restrictions in place from May 1st to October 31st, 2023. The restrictions resulted in a slight downward trend in daily water demands amidst extended Stage 3 water restrictions due to worsening drought conditions. - Continued the Advanced Water Metering Infrastructure (AMI) program, alongside the bi-monthly billing initiative, which facilitated customer awareness of their water usage, leading to improved water management across the city. - Community Interactions: o The water conservation sprinkler patrols distributed more than 500 door hanger reminders and issued 35 warning letters. o Continued to work with residents and business owners to identify and resolve water leaks. In 2023, leak notifications were paused during the AMI replacement program, replaced by leak/high consumption letters, with approximately 750. o Provided 75 irrigation and landscape assessments and six rebates. o Handed out 55 indoor and outdoor water saving kits.

Question 14 a): Has a climate risk and vulnerability or similar assessment been undertaken for your local government or Nation?

Please select all that apply. In the textbox, please provide the link to the public assessment if available.

Yes at the community level

Yes at the asset or project level

No

If not, please select one or more options from the list.

- No, but we are currently undertaking one and it will be complete in the next two years.
- No, we are not intending to undertake due to lack of financial capacity.
- No, we are not intending to undertake due to lack of staff and technical capacity.
- No, we are waiting for direction from the Provincial Government before undertaking an assessment.

Question 14 b): Are you integrating climate risk into asset management, budgeting and climate action plans?

- Yes, in asset management
- Yes, in budgeting
- Yes, in climate action plans
- No

Question 15: What are the most significant climate hazards and impacts faced by your jurisdiction and what is the timeframe of their expected impact on your community?

For each selection, please indicate if the timeframe of their expected impact is short, medium, long or not sure. (short [current/by 2025]; medium [2026-2050]; long [beyond 2050])

- Extreme heat and heat stress

medium to short

- Extreme cold, snow and ice

short

- Water shortages

medium

- Wildfire

short

Wildfire smoke

short

Overland flooding

short

Coastal flooding, storm surge events and/or other coastal hazards

long

Wind, rain, and other storm events

short

Ecological impacts (examples of ecological impacts include biodiversity loss and erosion)

medium

Cultural impacts (examples of cultural impacts include threats to identities, languages, and livelihoods)

medium

Human health impacts

short

Power outages

short

Not applicable/no hazards

Not sure

Other

Question 16: What information do you need to know to be able to plan effectively for the future of your community, with respect to the hazards and impacts identified in Question 15? Please select one or more of what you consider the most valuable types of information for planning.

- Local knowledge
- Localized climate modelling and projected scenarios
- Assessment of potential community impacts
- Assessment of community vulnerabilities
- Risk assessment of hazards
- Mapping of climate change impacts and hazards
- Demographic information
- Projected development
- Adaptation planning information
- Technical expertise to implement solutions
- Community/stakeholder engagement and support
- Information on partnership opportunities
- Examples of actions taken by other communities
- Not sure
- Other

Optional: What resilience indicators are of most value to your local government or Nation?

• Degree of household/business/personal preparedness – less dependency on ESS resources due to preparedness and planning • Participation level of neighbourhood cornerstones such as schools, churches and community centres (private and municipally owned) in emergency preparedness - asset mapping, building their capacity to be a neighbourhood hub in the face of climate hazard and disaster, facility's resilience/emergency planning

Question 17: Based on the hazards and impacts you indicated as most significant in Question 15, which groups are most vulnerable to the impacts of those climate hazards and impacts?

- Low-income households
- Indigenous Peoples
- Racialized communities
- Newcomers to Canada (immigrants and refugees)
- People experiencing homelessness
- Seniors
- Women and girls
- Persons with disabilities
- LGBTQIA2S+: Lesbian, Gay, Bisexual, Transgender, Queer or Questioning, Intersex, Asexual, Two-Spirit, and additional sexual orientations and gender identities
- People living alone/isolated
- Not sure
- Other

Question 18: Of the hazards and impacts identified in Question 15, please specify the associated adaptation measures completed or in-progress in the 2023 calendar year, if any.

If entering a hazard under "Other", please also write the hazard in the "Adaption measure" textbox.

Hazard	Adaptation measure
Extreme heat and heat stress	Extreme Hot Weather Plan, Cooling Centres, Community Outreach, City Spray Parks, Urban Forest Strategy
Extreme cold, snow and ice	Extreme weather shelters, Community Outreach, Extreme weather alerts
Water shortages	AMWSC Water Shortage Response Plan, Drinking Water Resilience Project, AMWSC Water Efficiency Plan
Wildfire	Monitor fire risk level, Emergency Operations Centre training, Emergency Support Services training
Wildfire smoke	Monitor fire risk level, Emergency Operations Centre training, Emergency Support Services training
Overland flooding	Sumas Prairie Flood Mitigation, Updated Development Bylaw regarding infiltration requirement
Coastal flooding, storm surge events and/or other coastal hazards	N/A
Wind, rain, and other storm events	Repair & replacement of storm sewers & culverts, Enhanced Extreme Weather-Ready public education
Ecological impacts	Urban Forest Strategy, Mill Lake Park Master Plan
Human health impacts	Homelessness Action Plan
Cultural impacts	Culture Connect Strategy
Power outages	Emergency preparedness programming
Other	Monitor fire risk level, Emergency Operations Centre training, Emergency Support Services training

Equity

Taking an equity-informed approach to climate action is about enhancing climate resilience for everyone in B.C., regardless of where and how they live and requires a just approach that integrates equity considerations into climate planning and adaptation responses.

Question 19: How does your local government or Nation ensure equitable access to and distribution of climate action opportunities and benefits?

Please select all that apply.

- By collecting and analyzing disaggregated and/or spatial data on the impacts of climate policy and change.
- By engaging with equity seeking groups/frontline communities most impacted by climate policy and change.
- By designing and implementing climate actions that remove barriers to participation in planning and programs faced by equity seeking groups/frontline communities most impacted by climate change.
- There are no specific measures in place to ensure equitable access to and distribution of opportunities and benefits.
- Not sure how to integrate equity into our climate action work.
- Not sure if equity is being integrated into our climate action work.

Optional: Please highlight a climate initiative completed or in-progress in the 2023 calendar year that promotes equity and inclusion.

- Completed the City's residential retrofit strategy framework to advance decarbonization of existing single-family homes, and initiated program design including public engagement with key audiences. The project will also create value for Abbotsford residents in matters of housing and affordability with an equity lens applied.

LGCAP Year 2 Funding

The Program must be able to demonstrate the impact this funding has on greenhouse gas emissions reductions and resilience and adaptation in B.C. To substantiate the Program, we must develop a baseline understanding of where local governments and Nations are at with respect to climate action and track progress over time.

Please do your best to specify how much of your LGCAP funds was invested for each initiative undertaken without double counting.

Question 20: What did/will your local government or Nation spend its LGCAP funding on for year two of the Program (2023)? Please select all that apply and indicate the total dollar value associated with each initiative. For LGCAP 2023 funding, City of Abbotsford received 451082. Please ensure the amount(s) entered for Question 20 equal this amount in total.

Corporate

Community

Funds on hold

279909

Corporate Initiatives

Textbox format: no dollar sign and up to two decimal points (i.e. 2500 or 657.25). If selecting "Other", please write both the item and the amount of funding in the textbox.

Staffing

Energy study

Climate study

Traditional services emissions reporting

Asset management

Climate finance planning

Leveraging funds from other sources/ grant stacking

Buildings initiatives

Transportation initiatives

Community-wide initiatives

Resilience and adaptation initiatives

Other

Corporate buildings policies, programs and actions.

Textbox format: no dollar sign and up to two decimal points (i.e. 2500 or 657.25). If selecting "Other", please write both the item and the amount of funding in the textbox.

- Highest efficiency standards for new space and water heating equipment.
- BC Energy Step Code adoption (Step 3 or higher).
- Zero Carbon Step Code adoption.
- Efficiency upgrades/retrofits.

17508

- Requirement to use mass timber in buildings construction.
- Requirement to measure embodied carbon.
- Other.

Corporate Energy & Emissions Tracking Platform – 10980

Corporate transportation policies, programs and actions.

Textbox format: no dollar sign and up to two decimal points (i.e. 2500 or 657.25). If selecting "Other", please write both the item and the amount of funding in the textbox.

- Programs to increase high-occupancy (2 or more people) vehicle trips (i.e. carpooling).
- Established personal (passenger) transportation target goals, and measures to reach them, in annual reports – may include target goals for vehicle kilometre reduction, mode share for active transportation and zero-emission vehicles.
- Established commercial transportation target goals, and measures to reach them, in annual reports – may include target goals for vehicle kilometre reduction, mode share for energy efficient commercial transportation and zero-emission vehicles.
- Implemented zero-emission vehicle first procurement policy for all local government on and off-road vehicles purchases.
- Implemented a zero-emission vehicle preference or requirement for contracted work from a service provider.
- Active transportation infrastructure investments.
- Active transportation education and encouragement programs.

Expanded micromobility access, bylaws and/or infrastructure (e.g. introduced or expanded bike/e-bike/e-scooter sharing programs, built new bike/scooter lanes, updated bylaws for use of bikes/scooters).

Installation of secure bike parking (i.e. bike valet).

Electric vehicle charging studies/planning.

Electric vehicle charging infrastructure investments.

53585

Required new and/or existing gasoline and card lock fuel stations to include zero-emission vehicle infrastructure development.

Other.

EV Fleet Replacement - 89100

Funds on hold - How will funds be allocated?

Please indicate the project(s) funds have been allocated to.

JAMES Plant Biogas Upgrader Project 179909; Residential Retrofit Pilot Program 100000

No decision has been made.

Please highlight the initiative(s) your local government or Nation's LGCAP year two funding will support.

- Abbotsford Recreation Centre Heat Recovery & Optimization Project will integrate systems, redistribute heat and upgrade controls to save 70% of GHGs once completed - Investigating feasibility for an RNG project utilizing and upgrading waste biogas from the JAMES Wastewater Treatment Plant - Green Fleet Strategy Implementation through fleet decarbonization with the purchase of light duty truck EVs - Enhanced corporate GHG inventory accounting and analysis with more extensive and comprehensive account options via the online subscription platform.

Question 21 a): How much additional funding for climate action were you able to invest by leveraging your LGCAP funds? This could include matching grants as well as private investment.

Format: no dollar sign and up to two decimal places

9100000

Question 21 b): Please list the funding programs leveraged and associated funders (i.e. Investing in Canada Infrastructure Program, Canada/Province). Please enter "NA" if no funds were leveraged.

- Green and Inclusive Community Buildings grant, Canada - Investing in Canada Infrastructure Program (CleanBC Communities Fund), Canada/Province

Question 22: What is your internal decision criteria for spending LGCAP dollars?

The City's Climate Action Reserve Fund Management Policy guides LGCAP spending.

Question 23: Does your local government or Nation use a formal framework to apply a climate lens on infrastructure planning and decision-making?

This could include the Provincial preliminary GHG assessment guidance, the Federal climate lens guidance, or another climate lens framework.

Yes

No

Question 24: What is the value in the Program's continuity for your community?
Optional

Sustained and reliable provincial funding through the LGCAP is crucial in supporting the City to advance policies, projects, programs and initiatives that address the broad and urgent climate action portfolio and ultimately achieve our corporate and community climate goals. Contributing to consistent annual reporting along with local governments from across the Province allows the City to not only articulate and celebrate the substantial work underway by departments citywide to reduce GHGs and prepare Abbotsford for the impacts of climate change, but also to increase staff understanding of the various approaches, successes and opportunities pursued by other cities. Benchmarking our efforts and seeking areas to collaborate with local governments with similar challenges and opportunities is valuable to staff working across the city on portfolios that are directly and indirectly dealing with climate change.

Please note on posting the survey publicly:

All information from required questions must be included.

Optional questions and responses can be omitted.

The Province will use the information for internal purposes only.

When posting the survey publicly, the design / format of the form can be changed.

Local Government Climate Action Program Attestation Form

Instructions for the Attestor (CFO or equivalent staff person):
Complete and sign this form by filling in the fields below.

I, the Chief Financial Officer, or equivalent position, attest to the following:

That Local Government Climate Action Program funding has been, or will be, allocated to climate action.

That Local Government Climate Action Program funds for years 1 and 2 received in 2022 and 2023 will be spent by March 31, 2025.

That Local Government Climate Action Program funds for years 3-5 received in 2024 will be spent by March 31, 2028.

That a completed and signed version of this form and survey contents will be publicly posted by September 30, 2024.

Attested by (first name, last name)

Komal Basatia

Professional title

General Manager, Finance & Procurement Services

Local government or Modern Treaty Nation

City of Abbotsford & Procurement Services

Date

2024-07-29

Attestor signature

Please note: We did hear feedback to allow for file upload e-signatures and have looked into this. Unfortunately, uploaded files do not appear on the final report.

If you require a redo for the digitally-drawn signature, please click the trash can.

If that doesn't work, please submit your survey then contact us at

LGCAP@gov.bc.ca.

Signature captured

2024-07-29 09:14:00 Pacific Daylight Time