

# LGCAP Year 2 Survey

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

For example: Can include staff in engineering, emergency management, sustainability, transportation, waste management, etc. If a staff member is a climate action coordinator and works 100% on climate-related issues, add 1.0. 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.

1.0

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

Yes

No

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

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

Standalone adaptation plan

Standalone energy-related plan

Don't know

Please indicate the date the plan was adopted/approved.  
If you don't remember the month, you can enter "01" for January.

2022-08

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

<https://www.chilliwack.com/main/page.cfm?id=2024>

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

Yes

No

Question 4: Please select the top 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 local political support.

Lack of provincial or federal government support or collaboration.

Other.

#### Corporate Greenhouse Gas Emissions

Measuring corporate emissions is a Program requirement for all communities with a 2020 population of 15,000 and above. Corporate 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.

Question 5: For the 2022 calendar year, has your local government or Nation measured and reported associated corporate GHG emissions?

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

If your local government or Nation measured 2022 corporate GHG emissions, please report the number of corporate GHG emissions from services delivered directly by your local government (in tonnes of carbon dioxide equivalent).

4965

If your local government or Nation measured 2022 corporate GHG emissions, please report the number of corporate GHG emissions from contracted services (in tonnes of carbon dioxide equivalent).

418

If your local government or Nation measured 2022 corporate GHG emissions, please report the total number of corporate GHG emissions from both directly delivered and contracted services (in tonnes of carbon dioxide equivalent).

This would be the sum of the two questions above.

5383

Optional: Please indicate how many tonnes of CO<sub>2</sub>e are associated with facilities.

3419

### 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 2022 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 2022 Provincial Community Energy and Emissions Inventory data has not been released.
- No, community GHG emissions were not reported because the 2022 Provincial Community Energy and Emissions Inventory does not report transportation data.
- 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)

2018

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. every 5 years)?

Last reported in 2018; we are considering a 5-year reporting interval

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).

	<b>Reduction (format: e.g., 40%)</b>	<b>Baseline Year (format: 2007)</b>
<b>2030</b>	50%	2010
<b>2040</b>	N/A	N/A
<b>2050</b>	Carbon Neutral	2010

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, ...

Table above reflects Corporate Targets. Community Targets are: 40% reduction by 2030 and carbon neutral by 2050 (from 2007 baseline)

Question 8: The Province has also committed to introducing a target of net-zero emissions by 2050. Does your local government or Nation have a net-zero or carbon-neutral emissions target?

- Yes: Net-zero (Net-zero refers to a jurisdiction achieving a balance between greenhouse gas emissions produced and removed from the atmosphere (e.g. planting trees or using carbon capture technologies))
- Yes: Carbon neutral (Carbon neutral refers to a jurisdiction achieving a state of no net carbon dioxide emissions being released into the atmosphere (e.g. Reducing emissions as far as practical and purchasing offsets or other similar mechanisms))
- No

Question 9: If data was provided by the Province, which three supporting indicators would be most valuable to your local government or Nation to advance climate action?

- 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

#### 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 on course to reach net-zero emissions by 2050.

Question 10: Please indicate all climate initiatives your local government or Nation had in-progress or completed in the 2022 calendar year related to the buildings sector. The buildings and communities sectoral target for the province is 59% to 64% emissions reductions by 2030.

- Zero-carbon new construction (please enter date in pop-up textbox below)
- Highest efficiency standards for new space and water heating equipment
- Topping up Provincial energy efficiency programs
- Step Code adoption
- Zero Carbon Step Code
- Zero-carbon heating requirement
- Net zero buildings commitments
- Efficiency upgrades to public buildings
- Demand-side management
- Not applicable
- Other

Updated Community Climate Action Plan.

Optional: Please highlight a community project(s) that was in-progress or completed in the 2022 calendar year related to buildings.

Completed lighting and HVAC system improvements at municipal buildings.

Question 11: Please indicate all climate initiatives your local government or Nation had in-progress or completed in the 2022 calendar year related to the transportation sector. The transportation sectoral target for the province is 27% to 32% emissions reductions by 2030.

- Demand-side management to reduce distance travelled (single-occupancy vehicle commute reduction programs, parking disincentives)
- Improving or expanding public transportation
- Mode shift targets in Official Community Plan, Regional Growth Strategy or other guiding document
- Established personal transportation target goals, and measures to reach them, in annual reports – must include target goals for vehicle kilometre reduction, mode share for active transportation and zero-emission vehicles – and report on progress
- Established commercial transportation target goals, and measures to reach them, in annual reports – must include target goals for vehicle kilometre reduction, mode share for energy efficient commercial transportation and zero-emission vehicles – report on progress
- 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
- 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
- Electric vehicle charging studies/planning
- Established electric vehicle charging ready bylaws
- Electric vehicle charging infrastructure investments

- Streamlined hydrogen fuelling 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

Optional: Please highlight a community project(s) that was in-progress or completed in the 2022 calendar year related to transportation.

Completed an Active Transportation Plan - details available at <https://www.chilliwack.com/main/page.cfm?id=2970>

Question 12: Please indicate all climate initiatives your local government or Nation had in-progress or completed in the 2022 calendar year related to community-wide action.

- Complete, compact communities
- Organics diversion
- Circular economy or zero waste strategy
- Sustainable procurement policy
- Energy emission plans
- Renewable energy investments (e.g. district energy, waste heat recovery, biomass)
- Green/blue carbon sequestration
- Compliance carbon offset projects
- Voluntary carbon offset projects
- Bylaws updated to allow at least three units in all single-family zones
- Other

Landfill gas capture

- Not applicable

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

#### 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 adaptation principles into decisions and everyday activities. One requirement of this program is to report on projects linked to one or more objectives from the CleanBC Roadmap and/or the CPAS.

Question 13: Please indicate all initiatives your local government or Nation completed or had in-progress in the 2022 calendar year to adapt to and build resilience to climate impacts.

- Undertaking or completing a risk assessment or Hazard Risk Vulnerability Assessment (HRVA)
- 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
- Hydro climatological data collection
- Monitoring climate risks (floods, wildfire, etc.)

Public engagement on climate risks and actions

Providing training (adaptation and mitigation skills)

Creation of policy/procedures to affect change (putting 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

Optional: Please highlight one or more climate adaptation project(s) that were completed or in-progress in the 2022 calendar year to reduce risk and increase resilience.

Completed a Vedder River Flood Risk Assessment

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

Yes

No

Please provide the link to the public assessment if available.

Aspects of climate risk vulnerability have been assessed (some by outside agencies, such as Fraser Health) - water supply, flood, heat, air quality, but in separate documents.

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

For each selection, please then 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

short/medium/long

Extreme cold, snow and ice

Water shortages

short/medium/long

Wildfire

short/medium/long

Overland flooding

short/medium/long

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

Wind, rain, and other storm events

short/medium/long

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

short/medium/long

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

short/medium/long

Human health impacts

short/medium/long

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 impacts identified in Question 15? Please select one or more of what you consider the most valuable types of information for planning.

- Local observations and/or Indigenous 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

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

- 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

Not sure

Other

Question 18: Of the hazards identified in Question 15, please specify the associated adaptation measures completed or in-progress in the 2022 calendar year, if any. If entering a hazard under "Other", please also write the hazard in the "Adaption measure" textbox.

<b>Hazard</b>	<b>Adaptation measure</b>
<b>Extreme heat and heat stress</b>	2022 CAP includes developing a strategy to increase tree canopy; heat shelters and misting stations
<b>Extreme cold, snow and ice</b>	
<b>Water shortages</b>	Water restrictions; assessing alternate water sources
<b>Wildfire</b>	Firesmart and wildfire preparedness information
<b>Overland flooding</b>	West Dike Upgrades Project; Vedder River sediment management; Drainage infrastructure upgrades
<b>Coastal flooding, storm surge events and/or other coastal hazards</b>	
<b>Wind, rain, and other storm events</b>	
<b>Ecological impacts</b>	Habitat enhancement projects
<b>Human health impacts</b>	
<b>Cultural impacts</b>	
<b>Other</b>	

## 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 community 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 2022 calendar year that promotes equity and inclusion.

Cooling centers and misting stations

#### LGCAP Year 1 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 one of the Program (2022)? Please select all that apply and indicate the total dollar value associated with each initiative.

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

50000

- Climate study
- Energy study
- Asset management
- Risk and vulnerability assessment
- Emergency response planning
- Vulnerability and risk reduction strategy
- Climate finance planning
- Climate engagement
- Resilient infrastructure
- Green infrastructure
- Natural assets evaluation and accounting
- Buildings initiatives

107082

- Transportation initiatives

155000

- Community-wide initiatives
- Put in reserve for future project
- Corporate emissions inventory measurement and reporting
- Leveraging funds from other sources/ grant stacking
- Other

Buildings - Please select from the list.

- Zero-carbon new construction requirement
- Highest efficiency standards for new space and water heating equipment

Enhancing energy efficiency programs

Step code adoption

Carbon pollution standard

Zero-carbon heating requirement

Net zero buildings commitments

Efficiency upgrades to public buildings

Transportation - Please select from the list.

Demand-side management to reduce distance travelled (single-occupancy vehicle commute reduction programs, parking disincentives)

Encouraging "mode shifting" to more energy efficient forms of transport

Mode shift targets in Official Community Plan, Regional Growth Strategy or other guiding document

Zero Emission Vehicles fleet adoption

Active transportation plan or investments

Transit/pedestrian-oriented development regulation, multi-modal networks

Electric Vehicle charging infrastructure plans or number of public installations

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

Topping up provincial energy efficiency programs; Cycling/multi-use path contribution; Energy manager contribution; Adding a trial E-Bike to City fleet

Question 21: 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

50000

Question 22: Please estimate the total investment in climate mitigation your local government or Nation made in 2022, including from sources beyond your LGCAP funds. For guidance, this includes (but is not limited to): integrating climate change mitigation (i.e. GHG reduction) measures into policies, strategies and planning; improving education, raising awareness of climate change causes and solutions, and increasing human and institutional capacity with respect to climate change mitigation. Format: no dollar sign and up to two decimals. If no estimate is possible, please provide 0 as an answer.

2242000

Question 23: If estimated and available, what are the expected emissions reductions from these investments?  
Format: In tonnes CO2e

Not available

Question 24: Please estimate the total investment in climate adaptation and resilience your local government or Nation made in 2022, including from sources beyond your LGCAP funds. For guidance, this includes all actions that strengthen resilience and the ability to adapt to climate-induced impacts. Examples include (but are not limited to): addressing climate-related hazards; integrating adaptation 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 adaptation, and impact reduction and early warning systems. Format: no dollar sign and two decimal places. If no estimate is possible, please provide 0 as an answer.

1750000

Question 25: Does your community 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 26: What is the value in the Program's continuity for your community?

Optional Note on posting the survey publicly: - Optional questions and responses such as this one 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. - All information from required questions must be included.

The funding received through the LGCAP is essential for implementing mitigation and adaptation projects.

**Local Government Climate Action Program Attestation Form**

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 held in reserve will be spent by March 31, 2025.  
That a completed and signed version of this form and survey contents will be publicly posted by September 30, 2023.

Attested by (first name, last name)

Glen Savard

Professional title

Director of Finance

Local government or Modern Treaty Nation

City of Chilliwack

Date

2023-07-26

Attestor signature

