

# LGCAP Year 2 Survey – 2022 GHG Reporting

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## Introduction

Reaching net-zero emissions and adapting to a changing climate will require a whole-of-society approach. The new Local Government Climate Action Program (the Program) 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](#) and [Program Guide](#).

### **What is climate action?**

For the purposes of this program, a climate initiative or action is one that reduces greenhouse gas (GHG) emissions 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](#) (global 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: 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.

0.5
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Question 2: Does your local government or Nation have a climate action plan or other guiding document(s)?

Yes

If yes, please select the type of plan(s) from the list.

Standalone energy-related plan

If yes, please indicate the date the plan was adopted/approved.

If you don't remember the month, you can enter "01" for January.

CEEP – March 2020

If yes, please include a link to the document or webpage if available.

[https://www.salmonarm.ca/DocumentCenter/View/3025/CEEP-Final-Oct\\_2020?bidId=](https://www.salmonarm.ca/DocumentCenter/View/3025/CEEP-Final-Oct_2020?bidId=)

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

Yes

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

Lack of staff capacity or expertise.

Lack of financial resources.

Lack of provincial or federal government support or collaboration.

## Corporate Greenhouse Gas Emissions

Measuring corporate emissions is a Program requirement for all communities with a 2020 population of 15,000 and above ([see population statistics here](#)). 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.

Please see the following resources for guidance:

- [Scope Summary Document](#),
- [Corporate Inventory Reporting Tool](#),
- [Becoming Carbon Neutral Guidebook](#) (Scope),
- [Carbon Neutral Workbook](#) (Scope),
- [Guidance on Including Contracted Emissions in Corporate Inventories](#),
- [Contracted Emissions Calculator](#),
- [2022 BC Best Practices Methodology for Quantifying GHG Emissions](#), and
- [Emission Factors Catalogue](#).

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

Yes

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).

989.51 (in-house services)

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

1004.17 (including in-house and contracted services)

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

699.1 (including in-house and contracted services)

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).

979.02

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.

1968.53 (not including credit from organic diversion)

1565.53 (2022 Grand Total including credit from organic diversion)

Please provide the link to the public report if available.

Optional

<https://www.salmonarm.ca/321/Plans-Reports>

Optional: Please provide any further comments you wish to share on corporate emissions measurement and reporting here (e.g. system or approach used to measure corporate emissions).

1565.53 (2022 Grand Total including credit from organic diversion)
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## 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?

No

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

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.

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

No

For the 2022 calendar year, did your community use raw data from the Community Energy and Emissions Inventory initiative to calculate community-wide emissions?

No

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).

None

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

2011 Official Community Plan (OCP): <https://www.salmonarm.ca/DocumentCenter/View/52/OCP-Bylaw-No-4000?bidId=>

The City's current GHG reductions target, established in the 2011 OCP, is a 6% reduction from 2007 levels by 2020. The 2020 per capita GHG reduction, from the 2007 baseline, is 17.5%. Corporate emissions have been reduced by approximately 30% from 2012.

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?

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

## 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.

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 [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 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.

Step Code adoption

Efficiency upgrades to public buildings

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

Shaw Centre Energy Savings Plan (\$5,000)

Shaw Centre – Glycol Cooling Loop (\$60,000)

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.

Revising existing bylaws or implementing new ones to support active transportation

Active transportation planning

Active transportation infrastructure investments

Electric vehicle charging infrastructure investments

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

Connect Salmon Arm, the City's Active Transportation Network Plan was adopted in 2022

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

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

Density bonuses

Secondary suites and laneway homes

Infill development

Urban containment boundaries

Official Community Plans

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

Planning for a new OCP.

Adhered to OCP land use designations, Urban Containment Boundary.

## 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 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 [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 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
- Monitoring climate risks (floods, wildfire, etc.)
- Public engagement on climate risks and actions
- Utilizing natural assets/nature-based solutions
- Developing emergency/hazard response plans

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.

Wildfire Fuel Load Reduction – the City has engaged in multiple projects to reduce wildfire fuel load in key locations of the community, contributing to reduced risk and promoting “fire smart” principles.

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

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.

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

- Extreme cold, snow and ice - short
- Wildfire - short
- Wind, rain, and other storm events - short

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

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
- People experiencing homelessness
- Seniors

Persons with disabilities

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.

Hazard	Adaptation measure
<b>Extreme heat and heat stress</b>	Mapping to identify affected areas
<b>Extreme cold, snow and ice</b>	Increased service levels
<b>Wildfire</b>	Fuel Load mitigation projects
<b>Wind, rain, and other storm events</b>	Stormwater planning Infrastructure being replaced at more robust level

### 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.
- There are no specific measures in place to ensure equitable access to and distribution of opportunities and benefits.

Optional: Please highlight a climate initiative completed or in-progress in the 2022 calendar year that promotes equity and inclusion.

Equity mapping has been included in our latest planning initiative, the Active Transportation Plan 2022

### 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 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.

- Climate study
- Buildings initiatives
- Put in reserve for future project

Resilient Infrastructure - Please select from the list.

- Buildings
- Energy systems

Buildings - Please select from the list.

- Efficiency upgrades to public buildings

Reserve funding - How will funds be allocated?

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

Shaw Centre Energy Savings Plan (\$5,000)  
Shaw Centre – Glycol Cooling Loop (\$60,000)  
Additional to-be-determined projects

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

n/a

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.

55,084.11

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

Format: in tonnes CO2e

n/a

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.

1,931,140.22

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.

No

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

Optional

This program facilitates data collection and public reporting which may not otherwise be completed. It provides an opportunity to communicate changes in policy or available resources to local communities and helps fund projects that may not otherwise be completed.