

LGCAP Year 2 Survey

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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 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 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).

Instructions

*Please do not provide any personal information (e.g. email, phone number) in the survey.

Survey: Word Version

A survey template (i.e. a Word version) is available on the Local Government Climate Action Program webpage. The template can be used to gather information from staff across departments. Then simply cut and paste into the online version where you'll be submitting the survey.

Survey: Online Version

SimpleSurvey allows multiple users to access your survey, though two people cannot enter information at the same time.

For other users to contribute to your survey, simply share the unique link with your team members. Users must select "Save and continue later" when they are done updating the survey but not ready to submit.

Required fields are indicated with a red asterisk (*). You will not be able to submit the survey and attestation form without completing these fields.

Some fields have formatting considerations (i.e. numbers only). You will not be able to submit the survey and attestation form until all required fields are completed properly. The red text error message will indicate what is needed.

Attestation Form

The attestation form is filled in after survey questions are completed. It is the second page of the SimpleSurvey submission.

The attestation form is where 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.

Requirements

1. Reporting

Report on at least one project linked to objectives from the CleanBC Roadmap to 2030 and/or Climate Preparedness and Adaptation Strategy. If your community reports one initiative related to one sector (e.g. buildings) you have satisfied this requirement. Funding for the project(s) does not need to come from this program.

Attest that funds will be allocated to climate initiatives before submitting your survey.
For communities with populations of 15,000+, measuring and reporting local government or Nation's corporate emissions is required.

Optional open-ended questions asking for one or more initiatives related to climate action may be highlighted in the LGCAP Year 2 Summary Report or other Program materials to acknowledge innovative local climate solutions.

2. Deadline to submit the survey & attestation form

The deadline for submitting your survey and attestation form is 4 PM PDT on July 31, 2023.

3. Posting the survey & attestation form publicly

The design / format of the form can be changed however all information from required questions must be included.

Optional questions and answers can be omitted.

The deadline to post the survey and attestation form publicly is September 30, 2023.

Download a copy for your records!

Once submitted, you can download a copy of the completed survey and attestation form (PDF, Excel, and Word options). If you close this window before the download link appears, please reach out for a copy of your submission.

Support

If the survey is accidentally submitted, a submitted survey needs to be revised, or if you have any questions, please reach out to us at LGCAP@gov.bc.ca. We will be happy to provide assistance.

Thank you!

The LGCAP Team

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

Question 2: Does your local government or Nation have a 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 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 (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),
Contracted Services Emissions Guidance,
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
- 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).

650

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).

3950

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.

4600

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

440

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

4160

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)

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

- Yes
- 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).

	Reduction (format: e.g., 40%)	Baseline Year (format: 2007)
2030	40	
2040	60	
2050	80	

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, ...

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.

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 10-12, 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 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

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.

Integration of trails into flood protection infrastructure

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

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.

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
- 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

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

Yes

No

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

Medium

Water shortages

Medium

Wildfire

Short

Overland flooding

Short

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

Wind, rain, and other storm events

Short

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

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

Human health impacts

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.

Hazard	Adaptation measure
Extreme heat and heat stress	
Extreme cold, snow and ice	
Water shortages	Watering restrictions

Wildfire	Education for wildfire prevention and mitigation
Overland flooding	Construction of earth berm dikes, sheet pile walls, pump stations for storm water drainage
Coastal flooding, storm surge events and/or other coastal hazards	
Wind, rain, and other storm events	Construction of pump stations for storm water drainage
Ecological impacts	
Human health impacts	
Cultural impacts	
Other	

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.

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 (including funding from all sources).

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
- 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
- Transportation initiatives
- Community-wide initiatives
- Put in reserve for future project

70082.00

- Corporate emissions inventory measurement and reporting

Leveraging funds from other sources/ grant stacking

Other

Reserve funding - How will funds be allocated?

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

No decision has been made.

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

0

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.

0

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.

21300000

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

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 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)

Juliette Rhodes

Professional title

Chief Financial Officer

Local government or Modern Treaty Nation

Corporation of the City of Grand Forks

Date

2023-07-24

Attestor signature

Signature captured