

City of Terrace LGCAP 2024 Survey

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.

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.

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.

0.5

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.

0

Question 2 a): Does your local government or Nation have a community-wide 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)

2009-01

- Integrated climate plan (addressing adaptation and energy)
- Standalone mitigation plan
- Standalone adaptation plan
- Standalone energy-related plan
- Don't know

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

<https://www.terrace.ca/sites/default/files/docs/city-hall/terrace-2050-sustainability-strategy-oct-2009final.pdf>

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)

2023-12

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

<https://www.terrace.ca/sites/default/files/docs/business-development/2023-Climate-Action-Plan.pdf>

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.

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.

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.

1196

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.

179

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.

1375

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

LGCAP scope and boundaries for traditional services reporting

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

734

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)?

Reported: 2013 City of Terrace Community Energy & Emissions Plan. Measured: most recent Community Energy and Emissions (2021)

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

49949

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

42276

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

10487

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	
2040	0	
2050	100	2007

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: 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

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 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.

Generator Replacement for City's Sportsplex. Replacement is more resilient to emergency disruptions, and provides greater heating & cooling capability for community during extreme heat / cold events.

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.

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.

Completion of Xpilaxha Trail

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.

Curbside Organics Diversion

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.

NA

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.

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.

The City's Climate Action Plan addresses both climate adaptation and mitigation. This document was adopted by Council in December 2023, and proposes more than 30 adaptation and mitigation actions, including 7 priority adaptation actions proposed to be implemented in the next 1-2 years.

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

<https://www.terrace.ca/sites/default/files/docs/business-development/2023-Climate-Action-Plan.pdf>

- No

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

Short

Extreme cold, snow and ice

Short

Water shortages

Short

Wildfire

Medium

Wildfire smoke

Medium

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)

Short

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

Human health impacts

Medium

- Power outages
- 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

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	Cooling Stations
Extreme cold, snow and ice	Warming Centres
Water shortages	Watering Restrictions
Wildfire	Firesmart program
Wildfire smoke	
Overland flooding	Providing Sandbags, EMCR Support

Coastal flooding, storm surge events and/or other coastal hazards	
Wind, rain, and other storm events	Storm drainage maintenance and enhanced infrastructure
Ecological impacts	Erosion control measures: street reconstruction
Human health impacts	
Cultural impacts	
Power outages	
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 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.

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 Terrace received 121082. Please ensure the amount(s) entered for Question 20 equal this amount in total.

- Corporate
- Community
- Funds on hold

101842

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 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.
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- 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.

4240

- Electric vehicle charging infrastructure investments.

15000

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

Funds on hold - How will funds be allocated?

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

To be allocated to actions proposed in Climate Action Plan

- No decision has been made.

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

Year 2 funding was allocated towards amendments to the City's Green Fleet Plan to enable future EV pilot projects, and the installation of EV chargers to support RCMP fleet electrification efforts. Remaining funds will be allocated towards climate actions identified in the Climate Action Plan.

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

0

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.

NA

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

At director discretion.

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

Annual, guaranteed funding eases the impacts to staff capacity typically associated with obtaining climate funding from competitive grant sources. This helps to reduce the barriers associated with successfully planning and implementing actions aligned with provincial climate objectives at the municipal level.

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)

Khalie Genereaux

Professional title

Deputy Director of Finance

Local government or Modern Treaty Nation

City of Terrace

Date

2024-07-31

Signature captured

2024-07-31 12:24:00 Pacific Daylight Time