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LGCAP Year 2 Survey

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

1. 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.
 2. Attest that funds will be allocated to climate initiatives before submitting your survey.
 3. 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 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.

7

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

Yes

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

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

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

2020/01

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

www.saanich.ca/climateplan

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 jurisdiction.

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),
- [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

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).

4377

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).

293

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.

4670

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

2123

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

2547

Please provide the link to the public report if available.

Optional

<https://www.saanich.ca/assets/Community/Documents/Planning/sustainability/2022-Climate-Report-Card.pdf>

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).

Capital projects, police, sequestration lost due to land use change/deforestation, embodied emissions and consumption-based emissions should all be included in the future.

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?

In-progress

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).

2030

Reduction (format: e.g., 40%)
50%

Baseline Year (format: 2007)
2007

2050

Reduction (format: e.g., 40%)
net zero

Baseline Year (format: 2007)
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, ...
Also a 100% renewable energy target by 2050. NOTE: #20 answers include only Sustainability Division budget not actuals for 2022, rounded to nearest 1000. Other expenditures such as active transportation and stormwater adaptation are significant but not included in this report.

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))

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?

Walk score: Proximity to services

Proximity to transit: Persons, dwelling units and employment within walking distance of a "quality" transit stop/line

Other

vehicle kilometers travelled by fuel type, vehicle type and class and location of registration

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

Due to the time lag on data, we have our 2021 GPC Basic+ emissions inventory completed but will not have the 2022 inventory complete until late 2023 - perhaps the question could ask about the year behind (i.e. 2021 for the 2023 survey) to be realistic for the next survey and in order to collect data..

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)

Topping up Provincial energy efficiency programs

Step Code adoption

Zero Carbon Step Code

Efficiency upgrades to public buildings

Demand-side management

Other

municipal financing program (PACE), retrofit assistance service, communications campaigns about heat pumps

Please enter date effective for zero-carbon new construction requirement.

2023-11

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

The new Student Housing and Dining project at UVic is designed to meet LEED V4 Gold and Passive House standards. The building includes mass-timber and uses electric rather than natural gas powered commercial kitchen equipment.

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.

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.

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

Other

Please note that we have ticked the 'Established personal and commercial transportation goals/targets' section as we have and we include mode share and electric vehicle targets for each but we cannot at this stage include VKTs because we cannot access ICBC VKT data! We intend to include VKT targets in our updated Climate Plan and ATP assuming that ICBC/province will be providing VKT data imminently - we're dependent on this. OCP & ATP updates underway.

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

The District of Saanich launched an innovative, first of its kind in BC Community E-bike Incentive Pilot Program which provided rebates to residents for the purchase of an e-bike with larger incentives for lower income households. A total of 389 incentives were distributed, with at least 100 in each of three income categories. Saanich partnered with the Community Social Planning Council and researchers at UBC Research on Active Transportation (REACT) Lab to design and evaluate the pilot. Early results are very promising about the role incentives for e-bikes, and e-bikes themselves, can play in reducing personal vehicle travel and consequently GHGs. The pilot was instrumental in informing the subsequent Provincial E-bike Rebate Program that opened in 2023.

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

Sustainable procurement policy

Energy emission plans

Renewable energy investments (e.g. district energy, waste heat recovery, biomass)

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

Secondary suites and laneway homes

Infill development

Urban containment boundaries

Official Community Plans

Regional Growth Strategies

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

Most of Saanich's future growth is planned to occur in Centres and Villages, where complete communities supporting employment, shops, services, recreation, and public spaces are within walking distance. In addition, growth is planned along Corridors that link these Centres and Villages with each other and with regional destinations. This approach integrates land use and transportation planning, ensuring that planned density would be well served by Saanich's active transportation network and Regional transit service. <https://www.saanich.ca/EN/main/community/community-planning/centre-corridor-village-action-plans.html>

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
Monitoring climate risks (floods, wildfire, etc.)
Public engagement on climate risks and actions
Providing training (adaptation and mitigation skills)
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.

Saanich is collaborating with the CRD on two heat related projects: Heat Vulnerability Mapping and a Lived Experience of Extreme Heat

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

Yes

Please provide the link to the public assessment if available.

https://www.saanich.ca/assets/Community/Documents/Planning/sustainability/ResilientSaanich_RiskAssessmentReport.pdf

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
current

Overland flooding
medium

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

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

Human health impacts
current

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.

Assessment of community vulnerabilities

Adaptation planning information

Technical expertise to implement solutions

Information on partnership opportunities

Other

How to access sufficient funding, resources and staffing to implement the necessary work, grants that support pro-active action vs. reactive, cost of inaction /cost of doing nothing that is more relevant to BC and coastal community situations.

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

socially isolated people and people with existing chronic illnesses

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.

Extreme heat and heat stress

Adaptation measure

heat pumps, education about extreme heat, working with vulnerable groups to understand needs

Overland flooding

Adaptation measure

IDF curve updates, Integrated Stormwater Management Plans

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

Adaptation measure

Based upon sea level rise and flood inundation mapping updated in 2022 - no adaptive measures yet

Ecological impacts

Adaptation measure

biodiversity conservation strategy, natural asset valuation, acquiring new greenspaces

Human health impacts

Adaptation measure

heat pumps, education about extreme heat

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.

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

The Saanich Community E-bike Incentive Pilot Program - see more at saanich.ca/ebike

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

4000

Asset management

1000

Climate engagement

31000

Buildings initiatives

187000

Transportation initiatives

95000

Community-wide initiatives

35000

Corporate emissions inventory measurement and reporting

6000

Other

17000 (network memberships, zero waste initiatives)

Buildings - Please select from the list.

Highest efficiency standards for new space and water heating equipment
Carbon pollution standard
Zero-carbon heating requirement
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
Zero Emission Vehicles fleet adoption
Active transportation plan or investments
Electric Vehicle charging infrastructure plans or number of public installations

Community-Wide - Please select from the list.

Public awareness and education campaign

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

Corporate: transportation (multiple fleet EV chargers and a fleet electrification strategy) and buildings (facility energy audits, studies, training, upgrades, and CoP program). Community transportation (public EV chargers, top up MURB EV charging rebates, ZEV engagement, e-bike incentives), buildings (retrofit strategy, retrofit service, CleanBC top ups, communications and engagement programs, school programs, adaptation projects). Leveraged funds included in the sections above)

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

637000

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.

2712000

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.

0

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 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.

LGCAP extremely valuable/critical to have dedicated, consistent, annual funding for mitigation & adaptation to enable many projects & leverage external funding otherwise unattainable. Note - the \$ figures above relate to Sustainability Division work only, a considerable amount of our annual Saanich budget is spent on climate action, e.g. entire transportation capital budget is on active transportation, then there's asset management, natural area restoration, ISWMPs etc.

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:

1. That Local Government Climate Action Program funding has been, or will be, allocated to climate action.
2. That Local Government Climate Action Program funds held in reserve will be spent by March 31, 2025.
3. 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)

Paul Arslan

Professional title

Director of Finance

Local government or Modern Treaty Nation

District of Saanich

Date

2023-07-24

Attestor signature

Signature captured

A handwritten signature in black ink, appearing to read "Paul Bush". The signature is written in a cursive style with a long horizontal stroke at the end.