



**CLIMATE ACTION COMMITTEE MEETING
OF THE VILLAGE OF LIONS BAY
HELD ON MONDAY, JULY 24, 2023 AT 7:00 PM
COUNCIL CHAMBERS, 400 CENTRE ROAD, LIONS BAY
AND VIA ZOOM VIDEO CONFERENCE**

TO JOIN THE MEETING, CLICK HERE: <https://us02web.zoom.us/j/81410504248>
TO JOIN VIA PHONE, DIAL 778-907-2071 AND ENTER MEETING ID: 814 1050 4248

AGENDA

- 1. Call to Order**
- 2. Appointment of Recorder and round table introductions**
- 3. Approval of the Agenda**
THAT the agenda be approved as submitted.
- 4. Public Questions & Comments**
- 5. Approval of Minutes**
 - A. Climate Action Committee Meeting Minutes – June 26, 2023 (*Page 3*)
THAT the Climate Action Committee Meeting Minutes of June 26, 2023 be approved as circulated.
- 6. Business Arising from the Minutes**
- 7. Unfinished Business**
 - A. Terms of Reference (*Page 7*)
 - B. Disaster Mitigation Adaption Fund (*Page 12*)
 - C. LGCAP Grant Application
 - i. Request for CMTE Support
 - ii. Excel File New Application (*Page 13*)
 - iii. Last Year's Application (*Page 19*)
 - D. Village Survey
 - E. Climate Action Awareness

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- F. BC Buildings Step Code Requirement

- G. Neville Council Updates
 - i. Renewable Diesel for Yard Trucks
 - ii. Purchasing Policy

- H. Other Past CAC Initiatives
 - i. Climate Action Plan
 - ii. Natural Asset Inventory
 - iii. Climate Action Tool Kit
 - iv. OCP Amendment and Associated Targets
 - v. Transfer Station
 - vi. Solar Panel on Municipal Buildings
 - vii. EV Charger Initiative and Status
 - viii. Food Truck Power
 - ix. Beach Event Power
 - x. Baseline Village Data
 - xi. Village Actions to Date
 - xii. Communication/Education
 - xiii. Finance/Funding
 - xiv. Source Water Protection Plan
 - xv. Many Stakeholders
 - xvi. OCP Amendment and Associated Targets
 - xvii. Resident Survey

- 8. New Business**

- 9. Correspondence**

- 10. Public Questions & Comments**

- 11. Adjournment**

- 12. Next Meeting – TBD**



THE MUNICIPALITY OF THE VILLAGE OF LIONS BAY

**CLIMATE ACTION COMMITTEE MEETING
OF THE VILLAGE OF LIONS BAY
HELD ON MONDAY, JUNE 26, 2023 at 7:00 PM
VIA ZOOM VIDEO CONFERENCE**

MINUTES

In Attendance: Neville Abbott (Co-Chair), Marcus Reuter (Co-Chair), Clara George, Norm Barmeier, Greg Weary, John Robb

Apologies: Christina Lee

Staff: none

Public: none

1. Call to Order

NTA called the meeting to order at 7pm

2. Appointment of Recorder and Round Table Introduction

JR was appointed as the recorder.

3. Approval of the Agenda

The agenda was adopted with Item 8 to include the Hydrogen discussion materials from NB.

4. Public Questions & Comments

There were no questions or comments.

5. Approval of Minutes

The minutes of the June 12th meeting were approved as submitted.

6. Business Arising from the Minutes

In response to a question from NB, GW noted that his article in the Watershed published on Earth Day had elicited no direct reactions. All other items covered elsewhere.

7. Unfinished Business

- A. Terms of Reference – JR offered some suggested new language for the CAC to review.
Action: CAC members to review.

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- B. Disaster Mitigation Adaption Fund – NTA reported that Karl Buhr had been given the green light by the Council to spend time on submitting a proposal as per Juen 12th meeting discussion.
Action: CAC members to assist KB as requested.
- C. Village/Resident Survey – Discussion resumed on the questions developed by CL and CG. Much of the discussion centered around water security and management, the potential for metering and/or the use of grey water, as well as education on water use in general.
Action 1: CAC members to review and provide input.
Action 2: NB to give thought to what a proposal for Lions Bay water metering might look like.
- D. Climate Awareness & Strategy – nothing further to report.
- E. Worksyard Expanded Recycling Proposals – to be addressed when the Village issues an RFP for a new contract in the Fall.
- F. Renewable Diesel – to be held over by Council for a couple of meetings while Council reviews additional material from Karl Buhr.
- G. Climate Action Plan – NB reached out to Pam Rourke who did prior reporting. This needs to be rapidly put on Council staff’s radar since the timeline is tight and the Village stands to lose \$153K over 3 years unless reports are submitted.
Action: MR to put together a resolution and background info for next Council meeting.
- H. Clean BC Road Map – no discussion.
- I. Procurement Policy – not yet official policy.
- G. Watershed Access and Fire Risk in general – discussion with no specific actions. Some items will be picked up by the EP and the Infrastructure Committees.
Action: Nothing specific, but GW will keep pushing on this.

No specific discussions on the following:

- Natural Asset Inventory - review
- Climate Action Tool Kit - define
- OCP Amendment and associated targets – review/update
- Transfer Station – materials WCS won’t pick up - review
- Solar panel on Municipal buildings – budget produced - review
- EV charger initiative and status – resolution in place, grant application pending, no new grants available - review
- Food truck power – scope effort
- Beach Event power – scope effort
- Baseline Village data – Brightspot GHG report for municipal hall, need complete emissions profile for village. Do we need to go back to another consultant, or can we get input from public works? Request feedback from public works manager on baseline emissions data. - review
- Carib Report – no longer a requirement. - review
- Village actions to date – request staff report at March 17, 2023 RCM meeting ○ Recent equipment RFPs list R100 compatibility requirements
- Fleet replacement policy include electrification over ICE replacement.
- Get update on purchasing policy from staff

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- Budget in place for EV station opportunity
- Communication/Education – review
- Invite bird committee
- Invite hydro
- Subject matter experts – Anthony G could do presentation for CAC on source water protection plan.
- Finance/Funding
- OCP Amendment and Associated Targets – review

8. New Business

NB took the committee through a presentation on potential hydrogen options for the village. Following discussion, there was general agreement that there may be potential for viable pilot projects with the Village.

Action: NB to consider further.

9. Correspondence

N/A

10. Public Questions & Comments

N/A

11. Adjournment

NTA adjourned the meeting at 8:40pm(ish)

12. Next Meeting – ?????

Action description	Resource	Status
Review and suggest JR and any other edits to <u>Terms of Reference</u> prior to next meeting	All	Review by next meeting
<u>Disaster Mitigation Adaption Fund</u>	All	Assist KB as requested
<u>Village Survey</u> – review questions to be part of a questionnaire that will feed into the Climate Action Plan	All	Input by next meeting
<u>Water Metering</u>	NB to provide initial thought leadership	
<u>Climate Action Plann Reporting</u> – needs to be completed asap which will involve staff time	MR	To take to next Council meeting

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<p><u>Climate Action Awareness</u> – the CAC discussed that it needed to develop an awareness campaign around the climate-related issues that need to be tackled in the Village – cf BearSmart education</p>		
<p><u>Hydrogen Options</u> – pilot project opportunities</p>	<p>NB to provide thought leadership</p>	
<p><u>Prioritize past CAC Initiavies</u></p>	<p>All</p>	

DRAFT



THE MUNICIPALITY OF THE VILLAGE OF LIONS BAY

CLIMATE ACTION COMMITTEE

TERMS OF REFERENCE

Purpose

The Village of Lions Bay Climate Action Advisory Committee's mandate is to provide a technical and local perspective and advice to Council to aid in the advancement of targets, policies and actions for reducing Greenhouse Gas Emissions, and adapting to climate change, as noted in the Official Community Plan (OCP).

Establishment and Authority

Section 142 of the *Community Charter* provides the Council with the authority to establish Select Committees.

The Village of Lions Bay Climate Action Advisory Committee (the "Committee") was appointed as a Select Committee by a resolution of Council on January 19, 2021.

The Committee's role is advisory; it has no authority to approve or implement decisions. The Committee shall report directly to Council.

Composition

The Committee shall be comprised of two (2) members of Council and up to 7 members-at-large being residents or property owners of the Village of Lions Bay, as appointed by the Council.

Committee members will have demonstrated outstanding leadership and/or commitment within the environmental community and be committed to working in a collaborative manner for the betterment of the environment of the Village. Council will appoint members such that the Committee is balanced with individuals:

- Who have technical and non-technical qualifications of experience related to all manner of sustainability such as: local food security; greenhouse gas emission reduction; climate change mitigation and adaptation; solid waste management 'zero waste' interests; understanding biodiversity and eco-systems; forestry; protection of water; shoreline protection; sea level rise; green building strategies; alternative energy; and active transportation;
- Who have demonstrated interested and previous involvement in matters related to the mandate;

- From all parts of the community and made up of a diversity of ages, neighbourhood representation, and perspectives on social, economic, health and environmental issues; and
- Who work respectfully toward consensus with people expressing different views.

All Committee members shall serve with no remuneration.

Term

Members shall be appointed by Council resolution to a term expiring October 15, 2022.

If a committee member is continuously absent from committee meetings for a period of three (3) consecutive regularly scheduled meetings, unless the absence is because of illness or with the leave of the committee members, the member's appointment will be deemed vacant and a new volunteer will be appointed.

Committee Role and Responsibility

Within the scope of the Official Community Plan and Council's Strategic Plan, the Committee will consider innovative approaches that would offer local options for meeting the targets, policies and actions noted in the OCP's Greenhouse Gas Emission Reduction Strategy and to provide advice to Council on these matters. *In addition, it will act as a forum for information, ideas, and advice pursuant to climate change mitigation and resilience associated with expectation of impacts yet to be experienced due to climate change debt already incurred.*

Specific responsibilities of the Committee include, but are not limited to, the following:

- Provide recommendations on the implementation of the community-wide GHG Emissions Reduction Strategy, outlined in the OCP and, keeping within Council's strategic principles;
- Inspire and sustain community commitment to establishing and achieving the Village's community-wide GHG emissions reduction targets and climate action objectives;
- Identify and advise on ways to build local climate action awareness, *including water security and infrastructure needs arising from anticipate numbers of extreme weather events, and promote environmental* and promote environmental stewardship from within the community;
- Provide forums for dialogue and information-sharing related to climate action;
- Provide a local perspective on climate action while giving due consideration to the balance between social, environmental and economic aspects;
- Review, research, analyze and provide feedback on any other community-related climate action items as directed by Council, including strategic planning, bylaws and policy development and commitments under the BC Climate Action Charter.
- Assist in Climate Action Revenue Incentive Program (CARIP) Reporting
- Research, recommend and engage with Sustainability partners outside our community

Governance Role and Responsibility

...provide advice to Council on these matters

3rd bullet point

...local climate action awareness

Additional 'resource persons' (Village staff, representatives of key agencies, or subject experts) related to the committee mandate may be called on an as-needed basis to attend meetings from time to time, in an effort to assist the Committee in achieving their objectives.

Governance:

The Committee is a Select Committee of Council and shall comply with rules and provisions contained in these Terms of Reference, Council Procedure Bylaw, Provincial Legislation and Roberts Rules of Order. Council may provide supplemental direction from time to time.

All meetings shall be open to the public. Only in limited circumstances may a portion of a Committee meeting be closed to the public, as per the *Community Charter*.

A quorum will consist of 50% plus 1, rounded down.

The Committee will appoint a Chair and Vice Chair from amongst its members.

In the absence or unavailability of the Chair, the Vice Chair will take on the Chair's duties and responsibilities. In the absence of both, the Committee shall appoint a temporary Vice Chair from its members-at-large.

The Committee will set an annual regular meeting schedule.

Special meetings may be held outside the regular meeting schedule, at the Call of the Chair or upon the request of three Committee members through the City's Municipal Coordinator.

Committee decisions require a majority vote by the members present and can only be made within a meeting. A tie vote is not a majority. If a tie vote occurs, the motion fails.

Each member present at the time a vote is taken must vote, and if the member does not indicate how he or she votes, the member is deemed to have voted in the affirmative.

Minutes of the meeting must be recorded, and available for adoption by the Committee as soon as practical. Draft minutes may be circulated to Council members for information.

After adoption, minutes must be forwarded to the Municipal Coordinator who will include the adopted minutes on the Municipal website.

Committee recommendations should be accompanied by a report submitted to the Corporate Officer. The Corporate Officer shall determine if the report should be included on either a Council or Committee of the Whole meeting agenda. For matters considered urgent or of a minor nature, a staff report may not be required, at the discretion of the Corporate Officer.

Resources and Staff Support:

The Committee will be assigned administrative support including booking meetings, developing and distributing agendas and materials, preparing minutes and ensuring documents and materials are posted to the Village website.

At the discretion of the Chief Administrative Officer or at the direction of Council, the Committee will be provided with professional staff, communication and technical expertise support.

The Committee is not responsible for the implementation or management of any municipal functions or services.

Adopted	February 9, 2021
Amended	April 13, 2021
Amended	December 14, 2021

287	June 20, 2023	Update diesel reports with recent information and report back to Council	PWM, Karl Buhr	On-Going
289	July 4, 2023	First draft of the Local Government Climate Action Program Report for the Climate Action Committee's review	Controller, Joe Chirkoff	On-Going
<i>Next #</i> 290				

10. Reports

A. Staff

- i. PWM, Karl Buhr: Branch Trimming (*page 46*)
- ii. PWM, Karl Buhr: Disaster Mitigation and Adaptation Fund
Recommendation
THAT Council directs staff to submit an application by the July 19, 2023 deadline to the federal Infrastructure Canada Disaster Mitigation and Adaptation Fund, for 40 percent funding of the municipality's Bayview from Stewart to Mountain DWIP (Drainage & Water Improvement Project), CUBB (Centre-Upper Bayview-Bayview PI) Watermain & Drainage project, and LOD (Lower Oceanview Drainage) project, bundled as a master project registered with Infrastructure Canada as DMAF-0002042-Saving Surface-Source Supply (SSSS); AND FURTHER THAT Council declares support for the application and project, and commits the municipality to a 60 percent share of the estimated \$9,016,235 total cost of the project from 2024 through 2032 (if fully funded), as well as to cost overruns; AND FURTHER THAT Council directs the Corporate Officer to provide a certified copy of this resolution to the Public Works Manager for inclusion in the application.
- iii. PWM, Karl Buhr: Parking Situation, Summer 2023 (*page 47*)
Recommendation:
THAT Council receive this report.
- iv. PWM, Karl Buhr: Highway Safety and Noise, Summer 2023 (*page 50*)
Recommendation:
THAT Council request MOTI to update the 2017 speed study; and
THAT Council request MOTI to commission a noise study to be run on any non-rain day at Lions Bay; and
THAT Council resume advocating for an ASOD pilot at Lions Bay in concert with Squamish Council at the 2023 UBCM convention; and
THAT Council receive this report.
- v. PWM, Karl Buhr: Staircase
Recommendation:

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 Pr

The Survey

Comments

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 chan

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

For example: Can include staff in engineering, emergency management, sustainability, transportation, waste management, etc. If a staff member is a climate action coordinator and works 100% on climate-related issues, add 1.0. If a staff member works approximately 25% (please estimate) on climate-related issues, add 0.25. Working on climate-related issues does not need to be written into the staff member's job description to be counted here.

1.35

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

- Yes
- No

Same response as last year; I couldn't find a document on the server regarding a Climate Action Plan

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 not, please select all that apply.*

- No, due to lack of staff and technical capacity.
- No, due to lack of financial resources.
- No, due to lack of awareness regarding which GHG accounting tools are available.
- No, corporate emissions are measured but not reported.
- Measurement is in-progress.
- Corporate inventory is not developed annually.

Brightspot GHG report for muni hall

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).

Our community has less than 15,000 residents

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

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).*

n	(format: € Year (format: 2007))
2030	40 2007
2040	60 2007
2050	80 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: 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 re
 Yes: Carbon neutral (Carbon neutral refers to a jurisdiction achieving a state of no net carbon dioxide emissions being r
 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

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

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). 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 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.

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

For input

Solar Panels for muni buildings

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

Fire hall renovation in progress

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.

<input type="checkbox"/>	Demand-side management to reduce distance travelled (single-occupancy vehicle commute reduction programs, parkir
<input type="checkbox"/>	Improving or expanding public transportation
<input type="checkbox"/>	Mode shift targets in Official Community Plan, Regional Growth Strategy or other guiding document
<input type="checkbox"/>	Established personal transportation target goals, and measures to reach them, in annual reports – must include target j
<input type="checkbox"/>	Established commercial transportation target goals, and measures to reach them, in annual reports – must include targ

For input

- Implemented zero-emission vehicle first procurement policy for all local government on and off-road vehicles purchase
- 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 develop
- Required green roads certification for any new or significantly modified existing roads
- Not applicable
- Other

EV charger initiative, resolution in place

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

Renewable Diesel procurement for public works department

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

composting / recycling

renewable diesel

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

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 deliv
- 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

UBC Hydrology study

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.

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

- Yes
- No

Have we had a climate risk assessment?

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.
- No, we are not intending to undertake due to lack of financial capacity.
- No, we are not intending to undertake due to lack of staff and technical capacity.
- No, we are waiting for direction from the Provincial Government before undertaking an assessment.

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
long
- Extreme cold, snow and ice
long
- Water shortages
long
- Wildfire
long
- Overland flooding
- Coastal flooding, storm surge events and/or other coastal hazards
- Wind, rain, and other storm events
- 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

- 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 s
- Not sure
- Other
The identified hazards impact all residents of the Village

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 *Public awareness, Water restrictions, repair of pipes to mitigate water lost due to leaks*
- Wildfire *Firesmart initiative*
- Overland flooding
- Coastal flooding, storm surge events ;
- Wind, rain, and other storm events
- Ecological impacts
- Human health impacts
- Cultural impacts
- Other *Bear smart program*

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 considerati

Question 19: How does your community ensure equitable access to and distribution of climate action opportunities and benefits?*

Please select all that apply.

- By collecting and analyzing disaggregated and/or spatial data on the impacts of climate policy and change.
- By engaging with equity seeking groups/frontline communities most impacted by climate policy and change.
- By designing and implementing climate actions that remove barriers to participation in planning and programs faced by equity seeking groups/frontline communities most impacted by climate change.
- There are no specific measures in place to ensure equitable access to and distribution of opportunities and benefits.
- Not sure how to integrate equity into our climate action work.
- Not sure if equity is being integrated into our climate action work.

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

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 so
 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
133589
- 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
Firesmart, Bear smart initiatives
\$3,455
- Put in reserve for future project
- Corporate emissions inventory measurement and reporting

Leveraging funds from other sources/ grant stacking

Other
Invasive Species management
\$16,570

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

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
0.00

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.
153614

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

Format: in tonnes CO2e

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.
153614

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

[Procurement policy with a green lens in draft, 2023](#)

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.

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)*

Professional title*

Local government or Modern Treaty Nation*

Date*

Attestor signature*



Local Government Climate Action Program Survey Submission Report

Lions Bay

Report generated on Friday, July 15, 2022 10:04 PST

Question	Answer
1. Does your local government or Modern Treaty Nation have a climate action plan or strategy?	No, but we are intending to undertake one in the next two years
2. For the calendar year 2021, did your local government or Modern Treaty Nation measure and publicly disclose corporate greenhouse gas (GHG) emissions?	No, corporate GHG emissions are not currently being measured, but we are currently undertaking one and it will be completed in the next two years
3. For calendar year 2021, did your local government or Modern Treaty Nation measure and publicly disclose a community-wide emissions inventory?	No, but we are intending to undertake a community GHG inventory in the next two years
4. Is your local government or Modern Treaty Nation tracking progress on its community-wide GHG reduction target?	No
4.e. If no, select all that apply:	"No, but we are planning to introduce a new target in the next two years"
5. Describe up to four climate initiatives, and their outcomes, your local government or Modern Treaty Nation is currently undertaking for Buildings	N/A

6. Describe up to four climate initiatives, and their outcomes, your local government or Modern Treaty Nation is currently undertaking for Transportation	Lions Bay Connector Project Provides for a multi-use protected path connecting a local park to a Ride/Bus stop, promoting safe use of neighbourhood and transit connections.
7. Describe up to four climate initiatives, and their outcomes, your local government or Modern Treaty Nation is currently undertaking for Community	N/A
8. Describe up to four climate initiatives, and their outcomes, your local government or Modern Treaty Nation is currently undertaking for Climate Resilience	N/A
9. Which elements of your community's current official community plan (OCP) (or other relevant strategies, policies and/or plans) support the creation of more complete, compact communities?	OCP provides for an increase in density through secondary suites.
10. What actions has your local government or Modern Treaty Nation taken to increase community completeness and compactness since 2020 (e.g. urban containment boundary, increasing density by allowing secondary suites and laneway or carriage housing options)?	N/A
11. What data would be most valuable to your local government or Modern Treaty Nation in decision-making related to the creation of complete, compact communities?	N/A
12. From 2021 to now, has your local government or Modern Treaty Nation taken any action(s) to address climate impacts?	Formed a Climate Action Committee to provide a technical and local perspective and advice to Council to aid in the advancement of targets, policies and actions for reducing Greenhouse Gas Emissions, and adapting to climate change, as noted in the Official Community Plan (OCP). Part of My Sea To Sky's Climate Action Report Card project to build capacity for local governments to track and report community-wide GHG emissions and support evidence-based climate action planning.

13. Has a climate risk and vulnerability assessment (or similar assessment) been undertaken for your local government or Modern Treaty Nation?	No, but we are intending to undertake one in the next two years
14. What are the three most significant climate hazards faced by your jurisdiction	"Water shortage", "Wildfire", "Wind, rain, and other storm events", "Coastal flooding, storm surge events and/or other coastal hazards", "Extreme cold, snow and ice", "Ecological, cultural and/or human health impacts (examples of cultural impacts include threats to identities, languages, and livelihoods; examples of ecological impacts include biodiversity loss, erosion, invasive species, ecosystem changes)", "Extreme heat and heat stress", "Overland flooding"
15. Are you responding to this survey on behalf of a Modern Treaty Nation?	No
16. Based on the hazard you indicated as most significant in question 14, as a local government, which groups are most exposed/vulnerable to the impacts of that climate hazard?	"All apply as the hazards affect the entire community."
17. Based on the hazard you indicated as second most significant in question 14, as a local government, which groups are most exposed/vulnerable to the impacts of that climate hazard?	"All apply as the hazards affect the entire community."
18. Based on the hazard you indicated as third most significant in question 14, as a local government, which groups are most exposed/vulnerable to the impacts of that climate hazard?	"All apply as the hazards affect the entire community."
19. Select the top three factors your local government or Modern Treaty Nation needs most to increase the capacity to adapt to climate impacts and build community resilience.	"Increased funding", "More partnerships and collaboration across levels of government", "Political support and direction"
20. How does your local government or Modern Treaty Nation ensure equitable access to, and distribution of, climate action opportunities and benefits?	"There are no specific measures in place at this time to ensure equitable access to, and distribution of, opportunities and benefits"

21. Do the climate action plan(s) and priorities of your local government or Modern Treaty Nation align with the climate action plans and priorities of senior levels of government?	"Yes, we align climate action plan(s) and priorities with the federal 2030 Emissions Reduction Plan", "Yes, we align climate action plan(s) and priorities with the provincial CleanBC Roadmap to 2030", "Yes, we assess our plans and priorities for multilevel alignment"
22. Is your local government a signatory to the B.C. Climate Action Charter or a Modern Treaty Nation?	Yes
23. To demonstrate commitment to climate action, climate investments (i.e., matching funding or in-kind contributions) equivalent to 20% of the provincial funding received are required of local governments and Modern Treaty Nations. The intent is to show past, current, and future investments in climate action and create awareness and education.	"Staff time", "Climate or energy studies and/or assessments", "Climate or energy plans, policies and/or strategy development", "Climate resilient infrastructure and/or capital project(s)"
24. Please provide your (or survey primary contact's) first and last name.	Pamela Rooke
25. Please indicate your (or survey primary contact's) position with your local government or Modern Treaty Nation.	Chief Financial Officer
26. Please provide your (or survey primary contact's) business email address.	finance@lionsbay.ca
27. Please provide your (or survey primary contact's) business phone number.	6049219333



Local Government Climate Action Program Attestation Form

Instructions for the Attestor:

1. Complete and sign this form by filling in the fields below.
2. Email the completed and signed form to LGCAP@gov.bc.ca.

I, the Chief Financial Officer, or equivalent position, of the Village of Lions Bay (name of local government) confirm the following:

1. That Local Government Climate Action Program funding has been, or will be, allocated to climate action.
2. That if funds are held in reserve, they will be spent by the end of March 2025.
3. That a completed and signed version of this form will be submitted by email to the Climate Action Secretariat, Ministry of Environment and Climate Change Strategy by July 29, 2022.
 - a. If council approval is required, it will be submitted no later than September 30, 2022.
4. That a completed and signed version of this form will be publicly posted by September 30, 2022.
5. That a completed and exported version of the program survey (submitted online) will be publicly posted by September 30, 2022.

Attested to by me at (name of local government) the Village of Lions Bay
on (date) July 15 2022

Signature of Attestor: Pamela Rooke

Printed Name of Attestor: Pamela Rooke

Title or Profession of Attestor (i.e. Chief Financial Officer or equivalent position):
Chief Financial Officer

Telephone Number of Attestor: 604-921-9333

Email Address of Attestor: finance@lionsbay.ca

Ministry of Environment and Climate Change Strategy

Climate Partnerships and Engagement Branch

Climate Action Secretariat

Mailing Address:

PO Box 9486
Stn Prov Govt
Victoria BC V8W 9W6

Email: env.mail@gov.bc.ca

Website:

<http://www2.gov.bc.ca/gov/content/environment/climate-change>