



**CLIMATE ACTION COMMITTEE MEETING
OF THE VILLAGE OF LIONS BAY
HELD ON MONDAY, July 29, 2024, AT 6:00 PM
COUNCIL CHAMBERS, 400 CENTRE ROAD, LIONS BAY
AND VIA ZOOM VIDEO CONFERENCE**

TO JOIN THE MEETING, CLICK HERE: <https://us02web.zoom.us/j/2780145720>
TO JOIN VIA PHONE, DIAL 778-907-2071 AND ENTER MEETING ID: 278 014 5720

AGENDA

- 1. Call to Order**
- 2. Approval of the Agenda**
- 3. Public Questions & Comments**
- 4. Approval of Minutes**
 - A. Climate Action Committee Meeting Minutes – June 27, 2024 (*page 3*)
- 5. Business Arising from the Minutes**
 - A. Hall renovation next steps – scope of work for electrical upgrade (in progress) in order to meet green municipal fund spend requirements
 - B. Water metering recommendations – review revised draft from JR
 - C. Mini Recycling Depot update
 - D. LGCAP report update – final report received from Clara and passed to staff
 - i. LGCAP Year 2 Survey (*page 6*)
 - ii. LGCAP 2023 Survey DRAFT (*page 20*)
 - iii. 2023 Survey Responses (*page 35*)
 - E. BC Hydro solar upgrade program – up to \$10,000. Possible education campaign via the VU.
- 6. Unfinished Business**
 - A. BC Buildings Step Code Requirement.
 - B. Other Past CAC Initiatives stalled or yet to be resolved.
 - i. Climate Action Plan
 - ii. Natural Asset Inventory
 - iii. Climate Action Tool Kit
 - iv. OCP Amendment and Associated Targets
 - v. Solar Panel on Municipal Buildings

Agenda – Climate Action Committee Meeting – April 4, 2024

Village of Lions Bay

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- vi. EV Charger Initiative and Status
- vii. Food Truck Power
- viii. Beach Event Power
- ix. Baseline Village Data
- x. Village Actions to Date
- xi. Communication/Education
- xii. Finance/Funding
- xiii. Source Water Protection Plan

7. New Business

A. Community Wood Smoke Reduction Program 2024-2025 – Request for Proposals

- i. Program (*page 47*)
- ii. Proposal (*page 54*)
- iii. Criteria (*page 58*)

B. Idea Generation Engagement: Metro Vancouver’s Solid Waster Management Plan Update (*page 59*)

C. FoodCycler – home compost elimination options; make soil indoors and eliminate compost. Bear friendly and possible reduction is Waste collection fees. Educational option.

8. Recommendation to Council

9. Correspondence

- A. Climate Friendly Homes Tour (*page 64*)

10. Public Questions & Comments

11. Adjournment



**CLIMATE ACTION COMMITTEE MEETING
OF THE VILLAGE OF LIONS BAY
HELD ON THURSDAY, JUNE 27, 2024, AT 7:00 PM
COUNCIL CHAMBERS, 400 CENTRE ROAD, LIONS BAY
AND VIA ZOOM VIDEO CONFERENCE**

MINUTES

In Attendance: Councillor Neville Abbott
Committee Member John Robb
Committee Member Norm Barmeier
Committee Member Greg Weary

Absent with regret: Councillor Reuters
Committee Member Clara George
Committee Member Andrew Wray
Committee Member Greg Weary

Staff: None ~~Deputy Corporate Officer, Marina Blagodarov (Recorder)~~

1. Call to Order

The meeting was called to order at 7:14 PM

2. Approval of the Agenda

Moved/Seconded

THAT the agenda of June 27, 2024, Climate Action Committee be adopted as amended:

CARRIED

3. Public Questions & Comments

None.

4. Approval of Minutes

A. Climate Action Committee Meeting Minutes – May 27, 2024

Adopted without~~No~~ changes.

5. Business Arising from the Minutes:

Recap of issues brought to council including fireplace, next steps include understanding the fan option and working with staff to move this forward.

BC Hydro grant – bird friendly/tree canopy – only got \$250 not \$1,000. Penny will circulate email to garner feedback on what to spend that on.

Green Municipal Fund - How will we spend \$100,000 before March. Discussion on how to move electrical upgrade forward, formal RFP to get scope and budget for electrical work associated with hall heat pump project. CAC would like to see staff to engage with an engineer to provide a scoped RFP for the electrical upgrade. Design build was discussed, which would require a strong technical scope. Estimate this could be a \$20,000 effort.

Recommendation to council to ask staff to engage an engineer to develop an RFP for the required electrical improvements associated with the Village Hall heat pump upgrade (oil furnace replacement) project.

Action: Norm to develop a high level technical project scope that outlines proposed electrical upgrade strategy.

LGCAP report drafted by Clara was discussed, review input and decide how to provide balance of CAC input. Draft will be circulated between CAC members to get final input.

Discussed Metering report with focus on public consultation and pros and cons of tariffs, the goal is conservation during drought periods. Calgary is an example of community conservation when needed.

Leaks have been found and we've seen improvements, metering would help find and maintain system integrity by more easily finding new or property side leaks.

~~ALARPASAP~~, what is the function? It will only be used in the summer and shut down during the winter. 50,000 – 80,000 gpd~~m~~, and we use roughly 300,000. Discussion on logistics and characteristics of pipe ensued.

\$10,000 solar grant discussed.

6. Unfinished Business

A. None

7. New Business

A. None

8. Recommendation to Council

A. None

9. Correspondence

A. **None**

10. Public Questions & Comments

A. **None**

11. Adjournment

Moved/Seconded

THAT the Climate Action Committee meeting be adjourned.

CARRIED

Meeting adjourned at 8:22 pm

Chair

Corporate Officer

Date Adopted by Committee:	
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LGCAP Year 2 Survey		Joe	Clara	Neville	John		
<p>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).</p>							
<p>Instructions *Please do not provide any personal information (e.g. email, phone number) in the survey. Survey: Word Version A survey template (i.e. a Word version) is available on the Local Government Climate Action Program webpage. The template can be used to gather information from staff across departments. Then simply cut and paste into the online version where you'll be submitting the survey. Survey: Online Version SimpleSurvey allows multiple users to access your survey, though two people cannot enter information at the same time. For other users to contribute to your survey, simply share the unique link with your team members. Users must select "Save and continue later" when they are done updating the survey but not ready to submit. Required fields are indicated with a red asterisk (*). You will not be able to submit the survey and attestation form without completing these fields. Some fields have formatting considerations (i.e. numbers only). You will not be able to submit the survey and attestation form until all required fields are completed properly. The red text error message will indicate what is needed. Attestation Form The attestation form is filled in after survey questions are completed. It is the second page of the SimpleSurvey submission. The attestation form is where the Chief Financial Officer, or equivalent position, attest to the following: That Local Government Climate Action Program funding has been, or will be, allocated to climate action. That Local Government Climate Action Program funds held in reserve will be spent by March 31, 2025. That a completed and signed version of this form and survey contents will be publicly posted by September 30, 2023. Requirements 1. Reporting Report on at least one project linked to objectives from the CleanBC Roadmap to 2030 and/or Climate Preparedness and Adaptation Strategy. If your community reports one initiative related to one sector (e.g. buildings) you have satisfied this requirement. Attest that funds will be allocated to climate initiatives before submitting your survey. For communities with populations of 15,000+, measuring and reporting local government or Nation's corporate emissions is required. Optional open-ended questions asking for one or more initiatives related to climate action may be highlighted in the LGCAP Year 2 Summary Report or other Program materials to acknowledge innovative local climate solutions. 2. Deadline to submit the survey & attestation form The deadline for submitting your survey and attestation form is 4 PM PDT on July 31, 2023. 3. Posting the survey & attestation form publicly The design / format of the form can be changed however all information from required questions must be included. Optional questions and answers can be omitted. The deadline to post the survey and attestation form publicly is September 30, 2023. Download a copy for your records! Once submitted, you can download a copy of the completed survey and attestation form (PDF, Excel, and Word options). If you close this window before the download link appears, please reach out for a copy of your submission. Support If the survey is accidentally submitted, a submitted survey needs to be revised, or if you have any questions, please reach out to us at LGCAP@gov.bc.ca. We will be happy to provide assistance. Thank you! The LGCAP Team</p>							
<p>The Survey</p>		<p>Comments</p>					

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.									
	1.35								
Question 2: Does your local government or Nation have a climate action plan or other guiding document(s)? *									
<input type="radio"/>	Yes				Can we use parts of the LB OCP?	Updated 2022 RCS makes several climate action commitments	We don't have a CAP or a guiding document - suggest we answer this straight.		
<input checked="" type="radio"/>	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.*									
<input checked="" type="checkbox"/>	No, but we are currently undertaking one and it will be completed in the next two years.						This should be a CAC focus - quite apart from the need to meet this commitment.		
<input type="checkbox"/>	No, we are not intending to undertake one due to lack of financial capacity.								
<input type="checkbox"/>	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?*									
<input checked="" type="radio"/>	Yes					Declared April 13th 2021			
<input type="radio"/>	No								
Question 4: Please select the top 3 challenges impeding the advancement of climate action in your community.*									
<input type="checkbox"/>	Lack of jurisdiction.								
<input checked="" type="checkbox"/>	Lack of staff capacity or expertise.								
<input checked="" type="checkbox"/>	Lack of financial resources.								
<input checked="" type="checkbox"/>	Lack of data or information.				Do we really lack data? Should we check another box example Prov/Federal support? = Funding?	Lack of Jurisdiction - highway & crown lands	I agree with adding Lack of Jurisdiction & Lack of Provincial/Federal support in addition to the existing bozes ticked. It's a complex web of reasons.		
<input type="checkbox"/>	Lack of local political support.								
<input type="checkbox"/>	Lack of provincial or federal government support or collaboration.								
<input type="checkbox"/>	Other.								

<p>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.</p>									
<p>Question 5: For the 2022 calendar year, has your local government or Nation measured and reported associated corporate GHG emissions?*</p>									
<p><input type="checkbox"/> Yes</p>									
<p><input checked="" type="checkbox"/> No</p>									
<p><input type="checkbox"/> No, but for a past year. (Please enter most recent year completed: YYYY)</p>									
<p>Should we check this and add data from the latest CARP report?</p>									
<p>If not, please select all that apply.*</p>									
<p><input type="checkbox"/> No, due to lack of staff and technical capacity.</p>									
<p><input type="checkbox"/> No, due to lack of financial resources.</p>									
<p><input type="checkbox"/> No, due to lack of awareness regarding which GHG accounting tools are available.</p>									
<p><input type="checkbox"/> No, corporate emissions are measured but not reported.</p>									
<p><input checked="" type="checkbox"/> Measurement is in-progress.</p>									
<p><input type="checkbox"/> Corporate inventory is not developed annually.</p>									
<p>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).</p>									
<p><i>Our community has less than 15,000 residents</i></p>									
<p>Is this resident GHGs or Municipal GHGs?</p>									
<p>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.</p>									
<p>Question 6: For the 2022 calendar year, have community-wide GHG emissions been measured for your local government or Nation?*</p>									
<p><input type="checkbox"/> Yes</p>									

	<input type="checkbox"/>	In-progress											
	<input checked="" type="checkbox"/>	No											
Question 7: Currently, the Province's legislated GHG emission reduction targets are 40% by 2030, 60% by 2040 and 80% by 2050, relative to 2007. Please state your local government or Nation's target(s).*													
		Reduction	Baseline										
		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?*													
	<input checked="" type="checkbox"/>	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))							We do?				
	<input type="checkbox"/>	Yes: Carbon neutral (Carbon neutral refers to a jurisdiction achieving a state of no net carbon dioxide emissions being released into the atmosphere (e.g. Reducing emissions as far as practical and purchasing offsets or other similar mechanisms))											
	<input type="checkbox"/>	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?*													
	<input checked="" type="checkbox"/>	Housing type: Private dwellings by structural type							Don't we have this info?	In the housing needs report/2020 census results			
	<input checked="" type="checkbox"/>	Floor area: Average floor area by building category and era											
	<input checked="" type="checkbox"/>	Residential density: Population and dwelling units per "net" land area								Easy calculation			
	<input type="checkbox"/>	Commute by mode: Employed labour force by mode of commute											
	<input type="checkbox"/>	Greenspace: Land area that is parks and protected greenspace							Would suggest this metric which will help measure Carbon Sinks that will reduce GHGs.	green belt and parks	I think I agree with ticking this - can't hurt.		
	<input type="checkbox"/>	Walk score: Proximity to services											
	<input type="checkbox"/>	Proximity to transit: Persons, dwelling units and employment within walking distance of a "quality" transit stop/line											
	<input type="checkbox"/>	Other							Natural Carbon Sinks that are surrounding the village, but may not qualify as protected areas. These all count against GHG emissions to bring us to Net Zero.				

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 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								
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							Beach washroom upgrade	Is this really the best of the 2?
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 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,								
<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								
<input type="checkbox"/>	Established commercial transportation target goals, and measures to reach them, in annual reports – must include								
<input type="checkbox"/>	Implemented zero-emission vehicle first procurement policy for all local government on and off-road vehicles								
<input type="checkbox"/>	Implemented a zero-emission vehicle preference or requirement for contracted work from a service provider								
<input type="checkbox"/>	Bylaws updated to prioritize energy efficient transportation hierarchy (i.e. pedestrians first)								

<input type="checkbox"/> Revising existing bylaws or implementing new ones to support active transportation <input type="checkbox"/> Active transportation planning <input type="checkbox"/> Active transportation infrastructure investments <input type="checkbox"/> Electric vehicle charging studies/planning <input type="checkbox"/> Established electric vehicle charging ready bylaws <input checked="" type="checkbox"/> Electric vehicle charging infrastructure investments <input type="checkbox"/> Streamlined hydrogen fuelling station permitting process <input type="checkbox"/> Required new and/or existing gasoline and card lock fuel stations to include zero-emission vehicle infrastructure <input type="checkbox"/> Required green roads certification for any new or significantly modified existing roads <input type="checkbox"/> Not applicable <input type="checkbox"/> Other													
									Does the research for the grant apply? Or was that 2021?				
								EV charger initiative, resolution in place			a stretch...		
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								yes				
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.*													
	<input type="checkbox"/> Complete, compact communities												
	<input checked="" type="checkbox"/> Organics diversion				composting / recycling								
	<input type="checkbox"/> Circular economy or zero waste strategy												
	<input checked="" type="checkbox"/> Sustainable procurement policy				renewable diesel								
	<input type="checkbox"/> Energy emission plans												
	<input checked="" type="checkbox"/> Renewable energy investments (e.g. district energy, waste heat recovery, biomass)												
	<input type="checkbox"/> Green/blue carbon sequestration								Our green belt is protected and tree work on large trees on municipal land require permits by bylaw.				

<input type="checkbox"/>	Compliance carbon offset projects								
<input type="checkbox"/>	Voluntary carbon offset projects								
<input type="checkbox"/>	Bylaws updated to allow at least three units in all single-family zones								
<input type="checkbox"/>	Other								
<input type="checkbox"/>	Not applicable								
Optional: Please highlight a community project(s) that was in-progress or completed in the 2022 calendar year related to community-wide action.								this is optional, perhaps we choose not to opt-in	
						Bear Smart/ Bird / Native Gardens ?			
<p>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.</p>									
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. *									
<input type="checkbox"/>	Undertaking or completing a risk assessment or Hazard Risk Vulnerability Assessment (HRVA)								
<input type="checkbox"/>	Addressing current and future climate risks through plans, adaptation measure implementation, programs, service delivery, asset management and/or other functions.					Water restrictions?			
<input type="checkbox"/>	Collaboration with other communities on resilience planning/initiatives								
<input checked="" type="checkbox"/>	Hydro climatological data collection				UBC Hydrology study		Yes hydro study ongoing 5-10 year program	2022?	
<input type="checkbox"/>	Monitoring climate risks (floods, wildfire, etc.)							I think we should tick this....even if not active monitoring within CAC.	
<input checked="" type="checkbox"/>	Public engagement on climate risks and actions							????	
<input type="checkbox"/>	Providing training (adaptation and mitigation skills)								
<input type="checkbox"/>	Creation of policy/procedures to affect change (putting climate considerations into decision-making processes)								
<input type="checkbox"/>	Creating data systems to support climate action								
<input type="checkbox"/>	Utilizing natural assets/nature-based solutions								
<input checked="" type="checkbox"/>	Developing emergency/hazard response plans						EPC actions high priority for Council	can we not tick this? - a lot of work of developing emergency preparedness in 2022 with many of the risks - eg fire - enhanced	
<input type="checkbox"/>	Not applicable								

<input type="checkbox"/>	Other				Beach planning / climate consultation?			
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.								
						we might want to skip all of these optional questions.....		
Question 14: Has a climate risk and vulnerability or similar assessment been undertaken for your local government or Nation?*								
<input type="checkbox"/>	Yes							
<input checked="" type="checkbox"/>	No	Have we had a climate risk assessment?						
						we have completed a Hazard Risk Assessment - Corderillan report		
If not, please select one or more options from the list.*								
I thik we should be checking the first 3 boxes - these are the starting points for the CAP which we should be doing...								
<input type="checkbox"/>	No, but we are currently undertaking one and it will be complete in the next two years.							
<input checked="" type="checkbox"/>	No, we are not intending to undertake due to lack of financial capacity.							
<input type="checkbox"/>	No, we are not intending to undertake due to lack of staff and technical capacity.							
						Check this box as well?		
<input type="checkbox"/>	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 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])								
<input checked="" type="checkbox"/>	Extreme heat and heat stress							
	<i>long</i>					Short/ Medium		
<input checked="" type="checkbox"/>	Extreme cold, snow and ice							
	<i>long</i>							
<input checked="" type="checkbox"/>	Water shortages							
	<i>long</i>					Short/ Medium		Agree - short/medium
<input checked="" type="checkbox"/>	Wildfire							
	<i>long</i>					Short		Agree - short
<input type="checkbox"/>	Overland flooding							
<input type="checkbox"/>	Coastal flooding, storm surge events and/or other coastal hazards					Short/ Medium		Medium I'd say
						Short		
<input type="checkbox"/>	Wind, rain, and other storm events					Short		Agree - short

<input type="checkbox"/>	Ecological impacts (examples of ecological impacts include biodiversity loss and erosion)				Short/Medium (Ocean)		Medium		
<input type="checkbox"/>	Cultural impacts (examples of cultural impacts include threats to identities, languages, and livelihoods)								
<input type="checkbox"/>	Human health impacts								
<input type="checkbox"/>	Not applicable/no hazards								
<input type="checkbox"/>	Not sure								
<input type="checkbox"/>	Other								
Question 16: What information do you need to know to be able to plan effectively for the future of your community, with respect to the impacts identified in Question 15? Please select one or more of what you consider the most valuable types of information for planning.*									
<input type="checkbox"/>	Local observations and/or Indigenous knowledge				Needed - pls check		Agree - need local observations		
<input checked="" type="checkbox"/>	Localized climate modelling and projected scenarios						Not sure - localized as to Howe Sound would be useful though		
<input type="checkbox"/>	Assessment of potential community impacts				Needed - pls check		Agree		
<input checked="" type="checkbox"/>	Assessment of community vulnerabilities						Yes		
<input checked="" type="checkbox"/>	Risk assessment of hazards						Yes		
<input type="checkbox"/>	Mapping of climate change impacts and hazards				Needed - pls check		not sure I agree over the scale of LB		
<input type="checkbox"/>	Demographic information								
<input type="checkbox"/>	Projected development								
<input type="checkbox"/>	Adaptation planning information				Needed - pls check		Agree		
<input checked="" type="checkbox"/>	Technical expertise to implement solutions						Yes		
<input checked="" type="checkbox"/>	Community/stakeholder engagement and support						Preferably		
<input type="checkbox"/>	Information on partnership opportunities				Needed - pls check		Sure		
<input type="checkbox"/>	Examples of actions taken by other communities				Needed - pls check		Agree		
<input type="checkbox"/>	Not sure								
<input type="checkbox"/>	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?*									
<input type="checkbox"/>	Low-income households								
<input type="checkbox"/>	Indigenous Peoples								
<input type="checkbox"/>	Racialized communities								
<input type="checkbox"/>	Newcomers to Canada (immigrants and refugees)								
<input type="checkbox"/>	People experiencing homelessness								
<input type="checkbox"/>	Seniors								
<input type="checkbox"/>	Women and girls								
<input type="checkbox"/>	Persons with disabilities								
<input type="checkbox"/>	LGBTQIA2S+: Lesbian, Gay, Bisexual, Transgender, Queer or Questioning, Intersex, Asexual, Two-Spirit, and								
<input type="checkbox"/>	Not sure								
<input checked="" type="checkbox"/>	Other								
	<i>The</i>								

Question 18: Of the hazards identified in Question 15, please specify the associated adaptation measures completed or in-progress in the 2022. If entering a hazard under "Other", please also write the hazard in the "Adaption measure" textbox.																				
	Hazard																			
	Extreme heat and heat stress																			
	Extreme cold, snow and ice																			
	Water shortages																			
	Wildfire																			
	Overland																			
	Coastal																			
	Wind, rain, Ecological																			
	Human Cultural																			
	Other																			
	Equity																			
	Taking an equity-informed approach to climate action is about enhancing climate resilience for everyone in B.C., regardless of where and how they live and requires a just approach that integrates equity considerations into climate planning and adaptation responses.																			
	Question 19: How does your community ensure equitable access to and distribution of climate action opportunities and benefits?*																			
	Please select all that apply.																			
	<input type="checkbox"/>	By collecting and analyzing disaggregated and/or spatial data on the impacts of climate policy and change.																		
	<input type="checkbox"/>	By engaging with equity seeking groups/frontline communities most impacted by climate policy and change.																		

<input checked="" type="checkbox"/>	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.							
<input type="checkbox"/>	There are no specific measures in place to ensure equitable access to and distribution of opportunities and benefits.					this one	I think we should be ticking this.....and/or one of the 2 following options	
<input type="checkbox"/>	Not sure how to integrate equity into our climate action work.					this one		
<input type="checkbox"/>	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 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.								
<input checked="" type="checkbox"/>	Staffing							
	7000							
<input type="checkbox"/>	Climate study							
<input type="checkbox"/>	Energy study							
<input checked="" type="checkbox"/>	Asset management							
<input type="checkbox"/>	Risk and vulnerability assessment							
<input type="checkbox"/>	Emergency response planning				51082		Budget spent on EPC, EOC, ESS?	
					-16000			
<input type="checkbox"/>	Vulnerability and risk reduction strategy				-7000			
					-600			
<input type="checkbox"/>	Climate finance planning							
<input checked="" type="checkbox"/>	Climate engagement						Conservation groups (Bird Friendly, native plants)? VOLB official contributor/supporter of HSBRI (biosphere)	
<input type="checkbox"/>	Resilient infrastructure							

<input type="checkbox"/>	Green infrastructure								
<input type="checkbox"/>	Natural assets evaluation and accounting								
<input type="checkbox"/>	Buildings initiatives								
<input type="checkbox"/>	Transportation initiatives								
<input checked="" type="checkbox"/>	Community-wide initiatives								
	<i>Firesmart, Bear smart initiatives</i>							Bear Smart (?). Bird Friendly City designation, native plant garden, Butterflyway project	
	\$3,455								
<input type="checkbox"/>	Put in reserve for future project						Click this box: Renewable Diesel procurement, Water metering case studies	Yes, we need to tick this!	
<input type="checkbox"/>	Corporate emissions inventory measurement and reporting								
<input type="checkbox"/>	Leveraging funds from other sources/ grant stacking							We should tick this as well.	
<input checked="" type="checkbox"/>	Other								
	<i>Invasive Species</i>								
	\$16,570							Seems a stretch....	
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									
Format: no dollar sign and up to two decimal places									
	0.00								

<p>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.*</p>									
<p>Format: no dollar sign and up to two decimals If no estimate is possible, please provide 0 as an answer.</p>									
			153614			What does the \$ represent?	We could justify somewhere around 200-300 hours staff time	agree with Clara's question - but also how on earth we justify that spending in terms of tangible actions - need input from 2022 Council & CAC. I think we should put \$0	
<p>Question 23: If estimated and available, what are the expected emissions reductions from these investments? Format: in tonnes CO2e</p>									
<p>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</p>								As above, should put \$0	
<p>Format: no dollar sign and two decimal places If no estimate is possible, please provide 0 as an answer.</p>									
			153614						
<p>Question 25: Does your community or Nation use a formal framework to apply a climate lens on infrastructure planning and decision-making?*</p>									
<p>This could include the Provincial preliminary GHG assessment guidance, the Federal climate lens guidance, or another climate lens framework.</p>									
	()	Yes							
	(X)	No			Procurement policy with a green lens in draft, 2023		Proc policy green lens submitted to previous Council in 2022	No formal lens....	
<p>Question 26: What is the value in the Program's continuity for your community?</p>									
<p>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.</p>									

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Attested by (first name, last name)*												
Professional title*												
Local government or Modern Treaty Nation*												
Date*												
Attestor signature*												

<input checked="" type="checkbox"/>	Efficiency upgrades to public buildings	IN PROGRESS?	Yes, in progress		In progress.		Does talking about it count as progress?
<input type="checkbox"/>	Demand-side management						
<input type="checkbox"/>	Not applicable						
<input type="checkbox"/>	Other						
Optional: Please highlight a community project(s) that was in-progress or completed in the 2023 calendar year related to buildings.							
			design in 2023, construct in 2024				
Fire hall renovation in progress		2023?					
Question 11: Please indicate all climate initiatives your local government or Nation had in-progress or completed in the 2023 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, parking disincentives)						
<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 goals for vehicle kilometre reduction, mode share for active transportation and zero-emission vehicles – and report on progress						
<input type="checkbox"/>	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						
<input type="checkbox"/>	Implemented zero-emission vehicle first procurement policy for all local government on and off-road vehicles purchases.						
<input type="checkbox"/>	Implemented a zero-emission vehicle preference or requirement for contracted work from a service provider						
<input type="checkbox"/>	Bylaws updated to prioritize energy efficient transportation hierarchy (i.e. pedestrians first)						
<input type="checkbox"/>	Revising existing bylaws or implementing new ones to support active transportation						
<input type="checkbox"/>	Active transportation planning						
<input type="checkbox"/>	Active transportation infrastructure investments						
<input type="checkbox"/>	Electric vehicle charging studies/planning						
<input type="checkbox"/>	Established electric vehicle charging ready bylaws						
<input checked="" type="checkbox"/>	Electric vehicle charging infrastructure investments	NO	agree with CG				
<input type="checkbox"/>	Streamlined hydrogen fuelling station permitting process						
<input type="checkbox"/>	Required new and/or existing gasoline and card lock fuel stations to include zero-emission vehicle infrastructure development						

<input checked="" type="checkbox"/>	Public engagement on climate risks and actions						Water Restrictions/ Resident Survey	Yes	hmmm			
<input type="checkbox"/>	Providing training (adaptation and mitigation skills)											
<input type="checkbox"/>	Creation of policy/procedures to affect change (putting climate considerations into decision-making processes)						Alberta Creek Water Project					
<input type="checkbox"/>	Creating data systems to support climate action							MPAP registration.				
<input type="checkbox"/>	Utilizing natural assets/nature-based solutions											
<input checked="" type="checkbox"/>	Developing emergency/hazard response plans						Emergency Preparedness	Yes				
<input type="checkbox"/>	Not applicable											
<input type="checkbox"/>	Other						Beach planning / climate consultation?	Going off the rails				
Optional: Please highlight one or more climate adaptation project(s) that were completed or in-progress in the 2023 calendar year to reduce risk and increase resilience.												
												Alberta Creek Water,
Question 14: Has a climate risk and vulnerability or similar assessment been undertaken for your local government or Nation?*												
<input type="checkbox"/>	Yes							We have a geo hazard assessment but it is not a climate risk				
<input checked="" type="checkbox"/>	No						Yes		agree with Neville			Do we have a risk assessment?

If not, please select one or more options from the list.*								I thik we should be checking the first 3 boxes - these are the starting points for the CAP which we should be doing...			
	<input type="checkbox"/>	No, but we are currently undertaking one and it will be complete in the next two years.						Agree with comment above			
	<input checked="" type="checkbox"/>	No, we are not intending to undertake due to lack of financial capacity.				CHECK BOX	Agree with CG				
	<input type="checkbox"/>	No, we are not intending to undertake due to lack of staff and technical capacity.				CHECK BOX	Agree with CG				
	<input type="checkbox"/>	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])											
	<input checked="" type="checkbox"/>	Extreme heat and heat stress									
		<i>long</i>				SHORT	Agree with CG	medium			Snow pack melt resulting in drought
	<input checked="" type="checkbox"/>	Extreme cold, snow and ice									
		<i>long</i>				?	medium	medium			Do we have more snow
	<input checked="" type="checkbox"/>	Water shortages									
		<i>long</i>				SHORT	Agree with CG	short			2023, 2024
	<input checked="" type="checkbox"/>	Wildfire									
		<i>long</i>				SHORT	Agree with CG	short			2023
	<input type="checkbox"/>	Overland flooding									
								Long actually never	slides not short		
	<input type="checkbox"/>	Coastal flooding, storm surge events and/or other coastal hazards				Medium					Have we had any flooding?
						Short	Agree with short				
	<input type="checkbox"/>	Wind, rain, and other storm events				Short		short			Extreme storms, multiple power outages
								Agree with short			
	<input type="checkbox"/>	Ecological impacts (examples of ecological impacts include biodiversity loss and erosion)				Short/Medium (Ocean)		short			I'm sure we do / but I don't know them.

Question 24: Please estimate the total investment in climate adaptation and resilience your local government or Nation made in 2023, 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

where did this number come from?

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
(X) No

YES/ NO ? No we don't. 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.

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Attested by (first name, last name)*

Professional title*

Local government or Modern Treaty Nation*

Date*

Attestor signature*

LGCAP Year 3 Survey (2023)											SUGGESTED EDITS
<p>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).</p>											
<p>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</p>											
The Survey											
<p>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.</p>											
<p>Question 1: How many staff in full time equivalents (FTEs) are dedicated to working on climate action?*</p> <p>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.</p>											0.14
<p style="text-align: center;">0.014</p>											
<p>Question 2: Does your local government or Nation have a climate action plan or other guiding document(s)? *</p>											
<p><input type="checkbox"/> Yes</p>											
<p><input checked="" type="checkbox"/> No</p>											CHECK BOX
<p>If not, please select one or more options from the list.*</p>											
<p><input checked="" type="checkbox"/> No, but we are currently undertaking one and it will be completed in the next two years.</p>											CHECK BOX
<p><input type="checkbox"/> No, we are not intending to undertake one due to lack of financial capacity.</p>											
<p><input type="checkbox"/> No, we are not intending to undertake one due to lack of expertise or technical capacity.</p>											

Question 3: Has your local government or Nation declared a climate emergency?*											
<input checked="" type="checkbox"/>	Yes										CHECK BOX
<input type="checkbox"/>	No										
Question 4: Please select the top 3 challenges impeding the advancement of climate action in your community.*											
<input type="checkbox"/>	Lack of jurisdiction.										
<input checked="" type="checkbox"/>	Lack of staff capacity or expertise.										CHECK BOX
<input checked="" type="checkbox"/>	Lack of financial resources.										CHECK BOX
<input checked="" type="checkbox"/>	Lack of data or information.										CHECK BOX
<input type="checkbox"/>	Lack of local political support.										
<input type="checkbox"/>	Lack of provincial or federal government support or collaboration.										
<input type="checkbox"/>	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 2023 calendar year, has your local government or Nation measured and reported associated corporate GHG emissions?*											
<input type="checkbox"/>	Yes										
<input checked="" type="checkbox"/>	No										CHECK BOX
<input type="checkbox"/>	No, but for a past year. (Please enter most recent year completed: YYYY)										
If not, please select all that apply.*											
<input type="checkbox"/>	No, due to lack of staff and technical capacity.										
<input type="checkbox"/>	No, due to lack of financial resources.										
<input type="checkbox"/>	No, due to lack of awareness regarding which GHG accounting tools are available.										
<input type="checkbox"/>	No, corporate emissions are measured but not reported.										
<input type="checkbox"/>	Measurement is in-progress.										UNCHECK BX
<input type="checkbox"/>	Corporate inventory is not developed annually.										
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).											
<i>Our community has less than 15,000 residents</i>											NO

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 2023 calendar year related to the buildings sector.*
 The buildings and communities sectoral target for the province is 59% to 64% emissions reductions by 2030.

- Zero-carbon new construction (please enter date in pop-up textbox below)
- Highest efficiency standards for new space and water heating equipment **UNCHECK BX**
- Topping up Provincial energy efficiency programs
- Step Code adoption **CHECK BOX**
- Zero Carbon Step Code
- Zero-carbon heating requirement **UNCHECK BX**
- Net zero buildings commitments
- Efficiency upgrades to public buildings **CHECK BOX**
- Demand-side management
- Not applicable
- Other

Optional: Please highlight a community project(s) that was in-progress or completed in the 2023 calendar year related to buildings.

Fire hall **In progress**

Question 11: Please indicate all climate initiatives your local government or Nation had in-progress or completed in the 2023 calendar year related to the transportation sector.*
 The transportation sectoral target for the province is 27% to 32% emissions reductions by 2030.

- Demand-side management to reduce distance travelled (single-occupancy vehicle)
- Improving or expanding public transportation
- 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 goals for vehicle kilometre reduction, mode share for active transportation and zero-emission vehicles – and report on progress		
<input type="checkbox"/>	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		
<input type="checkbox"/>	Implemented zero-emission vehicle first procurement policy for all local government on and off-road vehicles purchases.		
<input type="checkbox"/>	Implemented a zero-emission vehicle preference or requirement for contracted work from a service provider		
<input type="checkbox"/>	Bylaws updated to prioritize energy efficient transportation hierarchy (i.e. pedestrians first)		
<input type="checkbox"/>	Revising existing bylaws or implementing new ones to support active transportation		
<input type="checkbox"/>	Active transportation planning		
<input type="checkbox"/>	Active transportation infrastructure investments		
<input type="checkbox"/>	Electric vehicle charging studies/planning		
<input type="checkbox"/>	Established electric vehicle charging ready bylaws		
<input type="checkbox"/>	Electric vehicle charging infrastructure investments		UNCHECK BX
<input type="checkbox"/>	Streamlined hydrogen fuelling station permitting process		
<input type="checkbox"/>	Required new and/or existing gasoline and card lock fuel stations to include zero-emission vehicle infrastructure development		
<input type="checkbox"/>	Required green roads certification for any new or significantly modified existing roads		
<input type="checkbox"/>	Not applicable		
<input checked="" type="checkbox"/>	Other, Purchased R100 Diesel to reduce emissions.		R100 Diesel
Optional: Please highlight a community project(s) that was in-progress or completed in the 2023 calendar year related to transportation.			
	Renewable		R100 Diesel
Question 12: Please indicate all climate initiatives your local government or Nation had in-progress or completed in the 2023 calendar year related to community-wide action.*			
<input type="checkbox"/>	Complete, compact communities		
<input checked="" type="checkbox"/>	Organics diversion		CHECK BOX
<input checked="" type="checkbox"/>	Circular economy or zero waste strategy		CHECK BOX
<input checked="" type="checkbox"/>	Sustainable procurement policy		CHECK BOX

		<i>The identified</i>																		
--	--	-----------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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		
Extreme cold, snow and ice		
Water	<i>Public awareness, Water restrictions, repair of pipes to</i>	CHECK BOX
Wildfire	<i>Firesmart initiative</i>	CHECK BOX
Overland		
Coastal		
Wind, rain, and other storm events		
Ecological		
Human health		
Cultural		
Other	<i>Bear smart program</i>	CHECK BOX

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.

<input type="checkbox"/>	By collecting and analyzing disaggregated and/or spatial data on the impacts of climate	
<input type="checkbox"/>	By engaging with equity seeking groups/frontline communities most impacted by climate	
<input type="checkbox"/>	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.	UNCHECK BX
<input type="checkbox"/>	There are no	
<input type="checkbox"/>	Not sure how to integrate equity into our climate action work.	
<input type="checkbox"/>	Not sure if equity is being integrated into our climate action work.	

Optional: Please highlight a climate initiative completed or in-progress in the 2023 calendar year that promotes equity and inclusion.

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 (including funding from all

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.											
<input type="checkbox"/>	Staffing										UNCHECK BX
<input type="checkbox"/>	Climate study										
<input type="checkbox"/>	Energy study										UNCHECK BX
<input type="checkbox"/>	Asset management										
<input type="checkbox"/>	Risk and vulnerability assessment										
<input type="checkbox"/>	Emergency response planning										
<input type="checkbox"/>	Vulnerability and risk reduction strategy										
<input type="checkbox"/>	Climate finance planning										
<input type="checkbox"/>	Climate engagement										UNCHECK BX
<input type="checkbox"/>	Resilient infrastructure										
<input type="checkbox"/>	Green infrastructure										
<input type="checkbox"/>	Natural assets evaluation and accounting										
<input type="checkbox"/>	Buildings initiatives										
<input type="checkbox"/>	Transportation initiatives										
<input type="checkbox"/>	Community-wide initiatives										UNCHECK BX
<input checked="" type="checkbox"/>	Put in reserve for future project										CHECK BOX
<input type="checkbox"/>	Corporate emissions inventory measurement and reporting										
<input type="checkbox"/>	Leveraging funds from other sources/ grant stacking										
<input type="checkbox"/>	Other										UNCHECK BX
Optional: Please highlight the initiative(s) your local government or Nation's LGCAP year one funding will support.											

<p>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</p>													
0.00													
<p>Question 22: Please estimate the total investment in climate mitigation your local government or Nation made in 2023,, 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.</p>													
[Redacted]													NEED \$ 2023
<p>Question 23: If estimated and available, what are the expected emissions reductions from these investments? Format: in tonnes CO2e</p>													
[Redacted]													
<p>Question 24: Please estimate the total investment in climate adaptation and resilience your local government or Nation made in 2023, 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.</p>													
[Redacted]													NEED \$ 2023
<p>Question 25: Does your community or Nation use a formal framework to apply a climate lens on infrastructure planning and decision-making?*</p>													
<p>This could include the Provincial preliminary GHG assessment guidance, the Federal climate lens guidance, or another climate lens framework.</p>													
<p>() Yes</p>													
<p>(X) No</p>													
<p>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.</p>													
<p>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.</p>													
<p>Attested by (first name, last name)*</p>													

Provincial Community Wood Smoke Reduction Program: 2023/2024 Program Guidance

The provincial Community Wood Smoke Reduction Program (CWSRP), previously known as the provincial Wood Stove Exchange Program (WSEP), will continue in 2023/2024 with a focus on achieving the program's three primary goals:

- Encourage the public to change out old, smoky wood stoves for cleaner heating options, including heat pumps, pellet stoves, and U.S. EPA or CSA emissions certified wood stoves.
- Raise awareness about good burning practices.
- Educate the public about wood smoke and its health effects.

In partnership with B.C. Lung, the Ministry of Environment and Climate Change Strategy has made the following changes to the program:

- Updated the incentive structure for 2023/2024 program to increase overall incentives per exchange, with the specific focuses on:
 - Further increased incentive in red-zone communities.
 - Provided greater incentives for cleanest options, such as heat pumps.
- Made changes to encourage and enable greater First Nations participation.
 - Further increased incentives for First Nations Communities.
 - Simplified application process for First Nations directly participating in the program.
 - Encouraged existing local programs to include First Nations communities within their program's geographic areas.
- Ended support for fossil fuel-fired replacement appliances since January 1, 2023 to align the CWSRP with the climate targets in the [Clean B.C. Roadmap to 2030](#).
- Introduced the option (with the local community to decide) of keeping an existing certified wood stove following the installation of a heat pump if specific requirements are met.

- Introduced a “bounty” option that provides funding for applicants to remove and recycle any existing, operational non-EPA or non-CSA-certified wood appliance without committing to a replacement appliance.
- Added the possibility of exchanging outdoor wood boilers.
- Developed educational material, including a program brochure, infographic, and door hanger for local programs. Material is available from B.C. Lung, and from the ministry website. Please speak to the program coordinator if you want to modify the material for your region.
- Distributed a participant survey to communities. Filling out the survey should be a requirement for each participant in the CWSRP. Results of the survey are to be submitted in the annual report.
- Introduced an online clean burning course for local programs.
- Offered support for citizen science projects in communities.

The changes listed above will remain in effect for the 2023/2024 program. Detailed information regarding eligible appliances for exchange, community funding application, and other related resources can be found on the ministry [web pages](#). Further details on the recent changes are provided below.

Any questions associated with the CWSRP should be directed to the program email (wsep@gov.bc.ca).

Updated Incentive Structure

Incentive structure for the 2023/2024 CWSRP:

An exchange from an uncertified wood stove to :	Incentive Amount ^{a,b,c} (\$)		
	First Nation Communities ^g	Red-Zone Communities	All Other B.C. Communities
EPA or CSA certified wood stove	1200	600	600
Pellet Stove	2000	1500	1000
Heat pump ^d	3000	2000	1500
Bounty Option ^e	300	300	300

Notes:

- a. The incentive for a new electric insert for all communities is \$400.
- b. The incentive can be combined with CleanBC and federal incentives where applicable.
- c. The maximum total rebate must be less than the cost of the appliance.
- d. For uncertified wood stove to heat pump exchanges, an additional \$300 incentive may be offered if the wood stove is removed and demolished.
- e. A \$300 incentive (Bounty option) is available for applicants to remove existing uncertified wood appliances without committing to a new heating appliance.
- f. OWB incentives for all communities:
 - OWB to new OWB that meets legislated setbacks and is CSA or EPA certified: \$600
 - OWB to certified pellet boiler that meets legislated setbacks: \$1000
 - OWB to indoor heating appliances: refer to the incentives in this table accordingly.
- g. Eligible First Nations communities include indigenous communities in British Columbia falling into one of the following categories:
 - A First Nation “band” as defined by the Indian Act (Canada);
 - A First Nation governing body, representing exclusively one or more First Nations;
 - Treaty First Nation governments and Nisga’a Government.

Definition of Red Zone Communities

Red Zone communities are those that have exceeded the Canadian Ambient Air Quality Standards (CAAQS) for PM_{2.5} in the current reporting period (2018-2020) or at least one of the reporting periods in the past 10 years. Details are available on the ministry [website](#).

Red Zone community incentive levels would be applicable for the following existing participants in 2024:

- **District of Vanderhoof**
- **Bulkley Valley and Lakes District**
- **Comox Valley Regional District**
- **Cowichan Valley Regional District**
- **City of Port Alberni**
- **Village of Valemount**

Existing participants and other communities or agencies interested in the program can contact the CWSRP for further information on the list of complete red-zone communities.

Guidance for Heat Pumps

The Ministry of Environment and Climate Change Strategy continues to encourage exchanges of uncertified wood stoves to electric heat pumps. Heat pumps must be an exchange option in every participating community.

Applicants installing a new heat pump will have the option to keep their existing wood stove if the following requirements are met:

1. The local community has chosen to adopt this option in some or all of their area (this must be in the application).
2. The existing wood stove is EPA or CSA emissions certified.
3. The applicant signs a clean burning pledge and commits to:
 - Apply clean burning practices.
 - Only use the wood stove under specific conditions (i.e., power outage and/or during cold weather when supplementary heat is required)
 - Provide the wood cord usage data to the local program for at least two years (before and after installation of the heat pump).
4. The applicant lives either in a First Nation community or an area designated by the local program that meets one or more of the following criteria:
 - A rural or remote area where power outages are frequent.
 - A cold climate area where a back up heating system is recommended in conjunction with a heat pump.
 - A priority area defined by the local program.

- A low-income community according to local social services or other vetted information sources such as the Canadian Index of Multiple Deprivation (CIMD) Index where supplemental wood heating is viewed as economically essential (Here is an [example](#) for McBride/Valemount CHSA).

If the local program wants to have option for participants to keep the existing wood stove, the information including the specific areas identified by the local communities must be outlined in the application.

Bounty for Removing an uncertified old wood stove with No Exchange

The CWSRP provides a \$300 incentive for applicants to remove existing uncertified wood appliances without committing to a new heating appliance. The incentive is per stove and limited to one stove per household. The removed wood appliance **must** be verified to be demolished or recycled to claim the bounty.

Communities must indicate in their application if they want to have the bounty option in the program.

First Nations Collaboration

B.C. ENV and B.C. Lung maintain an ongoing collaboration with First Nations housing managers, the First Nation Health Authority, and the Ministry of Indigenous Relations and Reconciliation to develop strategies promoting and implementing the program within First Nations communities.

To further support this initiative, a dedicated incentive category has been established specifically for First Nations communities, as indicated in the incentive table. First Nations may apply for funding directly from B.C. ENV and B.C. Lung throughout the year. Additionally, the program encourages the existing local CWSRP to include First Nations communities within their program's geographic area.

Outdoor Wood Boilers

The program permits the exchange of outdoor wood boilers (OWBs), subject to compliance with the B.C. Solid Fuel Burning Domestic Appliance Regulation (SFB DAR) and local government bylaws. The local communities retain the flexibility to determine the eligibility of OWB exchange.

Program Continuous Improvement and Education

Program Survey

Every community participating in the CWSRP is required to conduct a short survey. The purpose of this survey is to better understand who is taking part in the program and their motivations and expectations. B.C. ENV and B.C. Lung will use the survey results to guide potential future changes to the program.

Participating communities are required to ensure:

- Each person who exchanges an appliance and applies for the rebate completes the survey.
- Survey results are compiled into the annual report.

Peer to Peer Learning

To foster collaboration, peer-to-peer learning, and program enhancement, B.C. Lung and B.C. ENV will organize program coordinators' meetings or webinars at least twice a year. These events will serve as valuable platforms for program participants to engage with each other, exchange knowledge, and share best practices. It is mandatory for communities that receive funding from the program to actively participate in these events.

Educational Outreach Material

B.C. Lung and B.C. ENV have developed outreach material including a brochure, infographic, and door hanger. These materials are accessible on the Ministry and B.C. Lung webpages and hard copies can be provided upon request.

Provincial Pilot Education Project

In 2023/2024, participating communities still have the option to develop or use their own existing education program or to join the provincial pilot education project. Your proposal should indicate which option your community is choosing. The materials can currently be viewed here:

https://www.fraserbasin.bc.ca/WoodSmokeCourse/story_html5.html

B.C. ENV and B.C. Lung will use the local program feedback to improve the online education tool for all communities in B.C. after the pilot project is completed.

Citizen Science Projects

The CWSRP will collaborate with interested communities to facilitate citizen science projects within those communities. The output of these projects could be published data or reports, and the objective of these projects is to achieve the following goals:

- Identify hotspots within local areas where wood smoke is a significant concern.
- Increase public awareness regarding the health effects associated with wood smoke.
- Other projects contributing to knowledge of wood smoke in the community.

Communities that express interest in conducting citizen science projects should engage in discussions with B.C. ENV and B.C. Lung. A short, standalone proposal is required for communities that want funding for citizen science initiatives.

Provincial Community Wood Smoke Reduction Program: 2023/2024 Project Proposal Content

Communities or regions applying for funding for the first time are strongly advised to contact the program coordinator prior to completing and submitting their application.

Community Wood Smoke Reduction Program Coordinator – Lin Li Guo.

E-mail: wsep@gov.bc.ca

This information is for proposals prepared in 2023 and submitted in September 2023. Funding will be distributed to successful applicants in late 2023 to fund programs through 2024.

Note: Detailed program guidance is provided in a separate file. Compared to the 2022/2023 template, two new optional components are added:

- (1) The possibility of designate areas where wood stoves may be retained after installing a heat pump under the CWSRP; and**
- (2) The option to request funding to support citizen science in support of wood smoke reduction.**

The following components must be included in an application:

- **Program Title**
- **Summary**
Outline the key elements of the proposal in two or three paragraphs.
- **Program Team and Leader**
List the participating organizations (municipality, regional district, community group, airshed management committee, etc.), and their interest in delivering a community wood smoke reduction program. List staff members who will be involved in the program delivery and their relevant experience. The project leader must be identified, and their full contact information (mailing address, email, and phone) must be provided.
- **Program Partners**
List any community partners who are not an immediate part of the delivery team, and describe their roles and responsibilities (e.g., partnerships with local retailers, credit unions, newspapers/radio, fire department, etc.)
- **Problem/Issue Statement**
Provide a concise statement of the local or regional need for the program. Supporting evidence could include measurements showing poor air quality during the heating season, a description of local geography susceptible to inversions, the number of homes heating with wood, and the number of old technology stoves currently in use. Anecdotal evidence or strong support from residents for the program could also be included.

Note: A wood heat emission inventory is available on the B.C. Air website. The data on emissions, wood heating prevalence, and attitudes towards wood burning may be helpful to communities applying for funding. https://www2.gov.bc.ca/assets/gov/environment/air-land-water/air/reports-pub/wood_burning_appliances_report.pdf and https://www2.gov.bc.ca/assets/gov/environment/air-land-water/air/reports-pub/woodstove_inventory_final_report.pdf

- **Airshed Management Level**

Communities with established monitoring of PM_{2.5} levels are compared each year to the Canadian Ambient Air Quality Standards (CAAQS). The CAAQS air zone reports are available at: gov.bc.ca/airzonereports. The latest reports available summarize the 2018-2020 period. In the air zone reports, communities where measured levels of PM_{2.5} exceed the CAAQS will be assigned “red” management level and can thus be referred to as “Red Zone” communities.

Please indicate the following:

- 1) One or more communities exceeding (or recently exceeding) the CAAQS
- 2) Not exceeding the CAAQS
- 3) Monitoring not available or not reported (usually due to a short period of record)

- **Program Objectives**

The program objectives should clearly describe the number of old stoves targeted to be removed in 2023/2024, any other output (media materials, number of workshops, etc.), and awareness goals.

- **Other Community Actions to Address Wood Smoke**

Describe any other actions your community or region is taking to address wood smoke. (1) Does the community or region have or plan to develop clean air bylaws that address wood smoke? (2) Does the community or region have a bylaw that addresses what type of wood-burning appliances may be installed? (3) Does the community or region have an airshed management plan, or are they in the process of developing one? (4) Is the community or region taking any other actions? Provide links to bylaws or airshed management plans. (5) If the community or region is taking NO other actions to address wood smoke other than the community wood smoke reduction program, please note that.

- **Program Design and Schedule**

This section should outline the specific tasks which will be accomplished with the requested funds including public education on good burning practices and wood smoke health effects, participating in provincial surveys to increase the public awareness of the program. The program design and schedule can vary from community to community, such as planned community events, advertising and marketing strategies, and any other local community-based social marketing ideas. It should also describe how the program’s progress will be evaluated and how the overall objectives will be achieved. The proposal should include timelines for each task and a schedule for the whole project. The proposal should also outline any potential problems that may arise during the program and the suggested methods of resolution.

- **Continuous Improvement**

Provide plans for continuous improvement of the program, including program coordinators’ participation in meetings or webinars organized by B.C. Ministry of Environment and Climate Change Strategy (ENV) or B.C. Lung, supporting peer-to-peer learning.

- **Geographic Scope of Program**

Describe the area to which the program applies. This could be a single community, a group of

communities, or an entire regional district.

- **Appliance Eligibility (optional)**

Communities may restrict what replacement appliances are eligible beyond the default requirements of the program. This restriction could apply to the program’s entire area or to a defined sub-region. Typically, this restriction would take the form of allowing only the cleanest replacement appliances in certain areas.

- **Designated areas for keeping wood stoves following the installation of a heat pump (optional)**

List the designated areas for keeping old wood stoves following the installation of a heat pump, If the community or region decides to make this an option in their area or parts of their area.

- **Citizen science projects (optional)**

Communities that express interest in conducting citizen science projects should engage in discussions with the ministry and B.C. Lung and provide detailed information about the project plan. It is required to show how the citizen science project will be used to support wood smoke reductions.

- **Estimated Total Costs of the Program**

The proposal should outline the budget^{1,2} for the project. A sample budget form is below.

Project Costs		Proposed Funding Sources			Remaining from Previous years
Project Period: specify Mar-Apr, all year or other	2023/2024 Total	B.C. Lung/ENV	Other: cash	Other: in-kind	B.C. Lung/ENV grant 2007-2023 ³
Salaries ⁴ (part time)					
Landfill fee for remote areas ⁵					
Advertising and Promotion					
Production of Materials					
Burn It Smart Workshops and Education Delivery					
Incentives/bounties					
Citizen science project					

- **Funding Requested**

The proposal should list all financial and in-kind (such as staff time) contributions that are committed or under serious consideration by any agencies or other partners towards the

¹ Refer to the 2023/2024 program guidance for incentives per stove from provincial funds.

² The budget for Burn it Smart workshops and education delivery should usually be \$1000-\$1500.

³ For existing communities, report provincial funds remaining from previous years at the time of application (if any).

⁴ For 2023/2024, there will be very limited funding to support salaries – please only request if absolutely necessary.

Funding preference may be given to regions that can obtain in kind or other contributions to support salary.

⁵ Only remote areas can apply for landfill fees, and the landfill fees can be used to transport the old wood stove to landfills or recycle places and demolish the old wood stoves. The local program is recommended to collect the old wood stoves and remove them all at once with 100\$ per stove and a total budget of less than \$3000.

total costs of the program, and the amount requested from the B.C. Lung/ENV.

- **Funds Remaining from Previous Year(s)**

For previous participants please report the total B.C. Lung/ENV funds from previous years remain at the time of application (if any).

- **Report on Previous Funding**

For previous program participants report on the annual funding and number of exchanges that have occurred in each complete previous year of your participation in the provincial program.

- **Appendices**

Appendices to the proposal may contain letters of support or endorsement for the program, confirmation or commitment of funding for the program from other agencies or partners, and any other items in support of the proposal.

Community Criteria for Pursuing Local Community Wood Smoke Reduction Programs - 2023

1. Demonstrated High Local and/or Regional Need: (25%)

- Air quality data showing poor air quality during heating season
- Local geography susceptible to inversions (valleys, etc.)
- Moderate to high percentage of homes heating with wood (both primary and secondary)
- High number of old technology stoves currently in use
- Exceeding provincial or national air quality objectives for PM_{2.5} (including the CAAQS).

2. Monitoring Capacity and Potential: (10%)

- Have active local air quality monitoring stations (preferably PM_{2.5})
- Have past data showing poor air quality during heating seasons
- Can continue to monitor air quality to see results of program
- Ideally want roving PM_{2.5} monitors to identify and monitor neighbourhood hot-spots

3. Partnerships and Community Buy-in: (40%)

- Need local and regional retailers on-board, willing to participate and wanting to promote over and above program promotions (registration fee to be used for program promotions)
- Support from local municipalities and/or regional district, with willingness to consider providing assistance such as: waiving permit fees for program participants, storing old units at secure Works Yards until recycled, and/or additional incentives such as rebate dollars to encourage residents to upgrade
- Support from Treaty or Non-treaty First Nations.
- Overall ability to leverage additional incentives (and/or decrease identified barriers to change)
- Feasible old stove recycling component or plan
- Preference may be given to communities that add a financial incentive of their own to the provincial incentive
- Preference may be given to communities that provide in kind or cash support to operate the program
- Preference may be given to communities that have or are developing clean air bylaws or building bylaws that at a minimum allow only emission certified appliances to be installed.

4. Coordinator and Organizational Capacity: (25%)

- Community coordinator and organization (local non-profit, government, or airshed management/air quality group) willing to champion and deliver program
- Partnership among neighbouring communities to deliver the program together (i.e., coordination at regional district level)
- Organization and coordinator have good reputation and willing to work collaboratively
- Have past project delivery experience and capacity
- Familiar with wood heating, air quality and health
- Understanding of and/or willingness to embrace Community-Based Social Marketing principles
- Long-term program plan or vision to support continuous improvement.

Office of the Chair
Tel. 604-432-6215 or via Email
CAOAdministration@metrovancouver.org

July 22, 2024

File: PE-13-01

Mayor Ken Berry and Council
Village of Lions Bay
400 Centre Road PO Box 141
Lions Bay, BC V0N 2E0
VIA EMAIL: mayor.berry@lionsbay.ca

Dear Mayor Ken Berry and Council:

**Idea Generation Engagement:
Metro Vancouver's Solid Waste Management Plan Update**

Metro Vancouver is updating its solid waste management plan, a long-term strategic plan that guides our region's policies and collective actions over the next decade and beyond. At this time, Metro Vancouver is launching engagement on idea generation – developing a set of potential actions and strategies for inclusion in an updated plan. As a Metro Vancouver member jurisdiction, Village of Lions Bay is invited to provide input during all phases of the plan's development.

Metro Vancouver is a North American leader in waste reduction and recycling, with a 65% recycling rate that is approximately double the Canadian average. However, much work remains to be done. The potential actions and strategies discussed at this phase of developing an updated plan will foster innovative and collaborative solutions and combine the strengths and resources of multiple parties across the region. These ideas will be fundamental to developing a plan that enables our region to advance its zero waste and climate goals.

Background and Timeline

Regional districts are required by the Province to develop, and submit for approval, plans for the management of municipal solid waste and recyclable materials. Building on the strengths of the current *Integrated Solid Waste and Resource Management Plan*, Metro Vancouver will develop an updated plan that identifies opportunities to accelerate waste reduction and recycling, reduce greenhouse gas emissions, and promote a circular economy.

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A vision statement and guiding principles for the plan update (Attachment 1) were developed as a result of engagement in 2023, and will serve as a foundation for work in upcoming phases, including informing criteria that will be used to assess potential strategies and actions.



While the plan is being updated, work to advance waste reduction and recycling in the region will continue to progress.

Metro Vancouver is committed to actively engaging with governments – including First Nations and member jurisdictions – government agencies, waste and recycling industry, waste producers, businesses, communities of interest, and Metro Vancouver residents to guide updates to the plan over the next 2-3 years. An [Independent Consultation and Engagement Panel](#) supports the development and implementation of the engagement program. Two key advisory committees, the [Solid Waste Management Plan Public/Technical Advisory Committee](#) and the [Solid Waste and Recycling Industry Advisory Committee](#), provide ongoing advice and support.

The [engagement webpage](#) contains information on previous and current phases of engagement (visit metrovancover.org and search 'swmp').

Seeking Your Feedback – Idea Generation

The objective of the idea generation phase is to develop a set of potential actions and strategies and to identify priority goals for the updated solid waste management plan. These ideas will be analyzed in the next phase of engagement: options analysis. Metro Vancouver has developed a set of discussion questions to serve as a framework for gathering and analyzing feedback collected during this phase (Attachment 2).

Metro Vancouver will be creating opportunities to engage with member jurisdiction representatives on idea generation in the fall of 2024. In addition to receiving feedback through these organized channels, Metro Vancouver is happy to engage with Village of Lions Bay at its preference. Please submit any feedback on the idea generation phase by **December 13, 2024**.

If you have questions or comments about the review and update of Metro Vancouver's solid waste management plan, require additional information, or wish to schedule a meeting or presentation, please contact Paul Henderson, General Manager, Solid Waste Services, by phone at 604-432-6400 or by email at paul.henderson@metrovancover.org.

Thank you in advance for your consideration.

Yours sincerely,



Mike Hurley
Chair, Metro Vancouver Board

Sincerely,



Sarah Kirby-Yung
Chair, Zero Waste Committee
Metro Vancouver

MH/SK/PH/sl

Attachments:

1. Solid Waste Management Plan Vision and Guiding Principles
2. Idea Generation Issue/Opportunity Discussion Questions

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Solid Waste Management Plan

Vision and Guiding Principles

Vision:

A thriving region where nothing is wasted and resources are valued.

Guiding Principles:

1. Accountability from residents, businesses, and governments to prevent waste.
2. A solid waste and recycling system that is affordable, convenient, and consistent across the region.
3. A solid waste system that is resilient to climate change and future challenges.
4. Environmental stewardship and climate action.
5. Inclusive solid waste services and programs.
6. Innovation and collaboration to support a vibrant regional economy that keeps products and materials in circulation.
7. Transparency about what happens to garbage and recycling.

Solid Waste Management Plan

Idea Generation: Issue/Opportunity Discussion Questions

Since the Integrated Solid Waste and Resource Management Plan was approved in 2011, Metro Vancouver's waste generation rate has decreased 11%, while our recycling rate has increased from 57 to 65% – nearly twice the Canadian average recycling rate. As we update the plan, **what actions can build on our success to:**

1. Build confidence in recycling systems?
2. Develop more inclusive programs and services?
3. Enhance accountability for eliminating waste?
4. Improve infrastructure and systems for waste management across the region?
5. Increase participation and reduce contamination in organics and recycling programs?
6. Leverage knowledge and expertise through collaboration?
7. Rethink and prevent waste in the first place?



From: [Sally Childs](#)
To: [Lions Bay Reception](#)
Subject: Climate Friendly Homes Tour
Date: Wednesday, July 24, 2024 2:40:03 PM
Attachments: [Community_recruitment_letter_20240719.pdf](#)

You don't often get email from schilds@communityenergy.ca. [Learn why this is important](#)



The CEA is happy to announce we are pairing up with BC Hydro again for the 2024 Climate Friendly Homes Tour.

Last year's inaugural tour was a great success, and this year we are hoping to grow the program by including more communities across BC.

Please see the attached letter outlining the details of the tour and what your community can do to be a part of this great initiative.

We are holding weekly information sessions for 3 weeks starting on Friday the 2nd of August. Please register for the information session that suits you via the links below, if you'd like to find out more.

Register here:

[August 2nd. 1pm-2pm PST](#)

[August 9th. 1pm-2pm PST](#)

[August 16th. 1pm-2pm PST](#)

If none of these session times work please reach out to lmak@communityenergy.ca to schedule a time that works for you.

We look forward to hearing from you!



July 19 2024

Re: The Climate Friendly Homes Tour Oct 6, 2024– building capacity and stimulating change in your community

Buildings account for around 40-50% of the emissions in our communities in BC. To reach our commitments of being net zero by 2050, we need to rapidly decarbonize our homes.

The Climate Friendly Homes Tour is an initiative funded by BC Hydro and facilitated by Community Energy Association (CEA). The Tour will open the doors of climate-friendly homes to the public across BC. Visitors to homes will learn about the benefits of improving the energy efficiency and comfort of their home directly from homeowners, contractors and energy advisors, along with steps they can take to start their own journey towards a climate friendly home.

Some of the benefits of participating for your community include:

- Raising awareness of the opportunity to build more comfortable, energy efficient homes;
- Increased dialogue within the building community;
- Building Local Government’s reputation as proactive and addressing the climate emergency;
- Raising awareness of local construction policies;
- Building an engaged community of homeowners; and
- Signposting people to funding opportunities to help them improve their home while reducing energy use.

Participating communities in the 2024 Climate Friendly Homes Tour pay a nominal contribution towards the administration of the event. For communities with a population of under 75,000 the fee is \$1,000, for communities with a larger population the fee is \$2,000.

The costs cover the following expenses:

- Development of a customized community-specific webpage
- Creation of specific webpages for each participating household with interactive map locations
- Provision of marketing plan and assets to promote the event locally (prepared and supplied by CEA)
 - Social media content
 - Social media advertising
 - Press release
 - Lawn signs for participating homes
 - Guidance materials for visitors
 - Easy-to-follow Promotional Activity Plan
- Contribution towards stipend for local organization committee



To ensure the success of the local tour, communities are also asked to commit to a minimum of 20 hours staff time. This time covers attendance at meetings, liaison with the local organization committee, implementation of marketing activity and event support on the day of the tour.

Recruitment of homes to the tour is done through a collaborative effort on the part of CEA, local communities and local organization committees. In 2023, local organization committees consisted of existing community group. The tour budget includes a stipend to support local community groups. CEA will work closely with local communities to recruit and onboard organization committees.

We would love to have you onboard, please contact Lisa Mak, lmak@communityenergy.ca to arrange an initial meeting.

Yours sincerely

A handwritten signature in black ink, appearing to read "Jude Smith", with a large, sweeping flourish extending to the left.

Jude Smith

Project Manager

Community Energy Association