

## Local Government Climate Action Program 2021 Survey Questions

### 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.

#### **1. Does your local government or Modern Treaty Nation have a climate action plan or strategy?**

If yes

1.a. Indicate the date the plan was adopted.

1.b. Include a link to the document (URL) or webpage.

No options

- No, but we are currently undertaking one and it will be complete in the next year
- No, but we are intending to undertake one in the next two years
- No, and we are not intending to undertake due to lack of financial capacity
- No, and we are not intending to undertake due to lack of expertise/technical capacity

### Corporate GHG Emissions

GHG emissions produced from the local government or Modern Treaty Nation delivering “traditional services”, including fire protection, solid waste management, recreational / cultural services, road and traffic operations, water and wastewater management, and local government administration.

#### **2. For the calendar year 2021, did your local government or Modern Treaty Nation measure and publicly disclose corporate greenhouse gas (GHG) emissions?**

If yes

2.a. Include a link to the document (URL) or webpage where it is disclosed.

2.b. Report emissions based on Services Delivered Directly (in tCO<sub>2</sub>e).

2.c. Report emissions based on Contracted Services (in tCO<sub>2</sub>e).

Leave blank if data is not available or if it is not applicable.

2.d. Report emissions based on Total Corporate Emissions (in tCO<sub>2</sub>e).

Total = Please add Services Delivered Directly + Contracted Services (if applicable)

Nos

- No, corporate GHG emissions are measured, but not made public
- No, corporate GHG emissions are not currently being measured, but we are currently undertaking one and it will be complete in the next year
- No, corporate GHG emissions are not currently being measured, but we are currently undertaking one and it will be completed in the next two years
- No, and we are not intending to undertake due to lack of financial capacity
- No, and we are not intending to undertake due to lack of expertise/technical capacity

## Community Wide Emissions

B.C. Climate Action Charter signatories have committed to act and develop strategies to measure and report on their community GHG emissions generated from all GHG sources, sinks and reservoirs within their community boundary.

### **3. For calendar year 2021, did your local government or Modern Treaty Nation measure and publicly disclose a community-wide emissions inventory?**

Yes options Yes, we use data from the Community Energy and Emissions Inventory (CEEI)

3.d. Include a link to the document (URL) or webpage where it is disclosed.

3.e. What are your total community-wide emissions (in tCO<sub>2</sub>e)?

3.f. What are the sectoral emissions from energy use in buildings (in tCO<sub>2</sub>e)?

3.g. What are the sectoral emissions from energy use in transportation (in tCO<sub>2</sub>e)?

3.h. What are the sectoral emissions from methane at landfills (in tCO<sub>2</sub>e)?

3.i. What are the indirect emissions from electricity used in the community (in tCO<sub>2</sub>e)?

Emissions from electricity should be included in the above sectoral emissions.

3.j. What is the energy use from electricity (in kWh)?

Yes, we do our own community-wide emissions inventory

3.a. What year is the data from?

3.b. How frequently is data collected (i.e., every 5 years)?

3.c. What methodology is used (e.g. consumption based)?

3.d. Include a link to the document (URL) or webpage where it is disclosed.

3.e. What are your total community-wide emissions (in tCO<sub>2</sub>e)?

3.f. What are the sectoral emissions from energy use in buildings (in tCO<sub>2</sub>e)?

3.g. What are the sectoral emissions from energy use in transportation (in tCO<sub>2</sub>e)?

3.h. What are the sectoral emissions from methane at landfills (in tCO<sub>2</sub>e)?

3.i. What are the indirect emissions from electricity used in the community (in tCO<sub>2</sub>e)?

Emissions from electricity should be included in the above sectoral emissions.

3.j. What is the energy use from electricity (in kWh)?

Community GHG emissions are measured, but the inventory is not publicly disclosed

No, community GHG emissions are not measured, but an inventory is in development and will be complete in the next year

No, but we are intending to undertake a community GHG inventory in the next two years

No, and we are not intending to undertake due to lack of financial capacity

No, and we are not intending to undertake due to lack of expertise/technical capacity

Community GHG Emissions Reduction Targets

A local government or Modern Treaty Nation goal to reduce community GHG emissions by a specific amount and by a pre-determined date.

**4. Is your local government or Modern Treaty Nation tracking progress on its community-wide GHG reduction target?**

If yes

4.a. Please provide your reduction target(s).

4.b. Please provide the target year.

4.c. Please provide the baseline year.

4.d. Please provide the link(s) to the document(s) or website if available.

4.e. If no, select all that apply:

If No for a reason not listed, please specify in Other.

- No, but we are planning to introduce a new target in the next two years
- No, as our community emissions are not fully calculated
- No, due to a lack of resources

## Alignment with Clean BC Roadmap to 2030 and Climate Preparedness and Adaption Strategy (CPAS)

The Clean BC Roadmap to 2030 is B.C.'s plan to meet provincial Paris emissions reduction targets for 2030 and reach net zero by 2050. One requirement of this program is to report on projects linked to one or more objectives from the CleanBC and/or draft Climate Preparedness and Adaptation Strategy (CPAS). For the following 4 questions in this section, for 2021 and 2022, describe up to four climate initiatives<sup>1</sup> your local government or Modern Treaty Nation is currently undertaking along with the

outcomes (e.g., GHG reductions, increased energy efficiency, enhanced public awareness and support etc.).

<sup>1</sup>Climate initiatives are actions that reduce greenhouse gas (GHG) emissions and/or strengthen resilience and adaptive capacity to climate-induced impacts, including, but not limited to: climate-related hazards; integrating climate change measures into policies, strategies and planning; and improving education, awareness-raising and human and institutional capacity with respect to climate change mitigation, adaptation, impact reduction and early warning systems

### **5. Describe up to four climate initiatives, and their outcomes, your local government or Modern Treaty Nation is currently undertaking for Buildings**

- Key buildings actions in the CleanBC Roadmap to 2030 include zero-carbon new construction by 2030, highest efficiency standards for new space and water heating equipment and enhancing energy efficiency programs.

- Examples of buildings initiatives: Step code adoption, carbon pollution standard, energy efficient / demand side management programs, zero carbon heating requirement and net zero buildings commitments.

### **6. Describe up to four climate initiatives, and their outcomes, your local government or Modern Treaty Nation is currently undertaking for Transportation**

- Key transportation actions in the CleanBC Roadmap to 2030 include reducing distance travelled, encouraging "mode shifting" to more energy efficient forms of transport and accelerating the switch to Zero Emission Vehicles.

- Examples of Transportation initiatives: Active transportation plan or investments, secure bike parking, commute reduction programs, transit-/pedestrian-oriented development regulation, Electric Vehicle charging infrastructure plans or number of public installations, trip reduction programs, mode shift targets in OCP or RGS's.

### **7. Describe up to four climate initiatives, and their outcomes, your local government or Modern Treaty Nation is currently undertaking for Community**

- Key community actions in the CleanBC Roadmap to 2030 include supporting better land-use planning, supporting local climate action, and supporting natural asset infrastructure.

- Example of Community initiatives: Organics diversion, completed climate or energy emission plans, renewable energy investments, (e.g. waste heat recovery, biomass), or use of land-use planning tools such as zoning bylaws and official community plans.

### **8. Describe up to four climate initiatives, and their outcomes, your local government or Modern Treaty Nation is currently undertaking for Climate Resilience**

- Key climate resilience actions in the CleanBC Roadmap to 2030 include working to develop regionally specific adaptation and resilience strategies as part of B.C.'s Climate Preparedness and Adaptation Strategy; this includes supporting access to data needed for hazard and land-use risk reduction.

- Examples of Climate resilience initiatives: Assessment of current and future climate hazards or risks to the local government and plans to address those risks through local government planning, programming, service delivery, asset management and other functions.

## Community Land Use Planning

Complete, compact communities are characterized as those that avoid sprawling and car-dependent development; integrate a mix of housing, key services and amenities within a 20-minute walk and enable viable low carbon transportation options.

### **9. Which elements of your community's current official community plan (OCP) (or other relevant strategies, policies and/or plans) support the creation of more complete, compact communities?**

*If your local government or Modern Treaty Nation is not undertaking this, please explain why.*

### **10. What actions has your local government or Modern Treaty Nation taken to increase community completeness and compactness since 2020 (e.g. urban containment boundary, increasing density by allowing secondary suites and laneway or carriage housing options)?**

*If your local government or Modern Treaty Nation is not undertaking this, please explain why.*

### **11. What data would be most valuable to your local government or Modern Treaty Nation in decision-making related to the creation of complete, compact communities?**

*If your local government or Modern Treaty Nation is not undertaking this, please explain why.*

## Adaptation, Resilience and Equity

The goal of climate adaptation is to reduce risk and vulnerability associated with climate change. To manage climate impacts, local governments and Modern Treaty Nations are integrating adaptation principles into decisions and everyday activities, in addition to

undertaking mitigation activities. 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 adaptation responses.

**12. From 2021 to now, has your local government or Modern Treaty Nation taken any action(s) to address climate impacts?**

If yes, please provide a brief description of the action(s) including outcomes or projected outcomes (activities can be in the planning or implementation stage). If your local government or Modern Treaty Nation is not undertaking this, please explain why.

**13. Has a climate risk and vulnerability assessment (or similar assessment) been undertaken for your local government or Modern Treaty Nation?**

If yes 13.a. Please provide a link to the document (URL).

Nos

- No, but we are currently undertaking one and it will be complete in the next year
- No, but we are intending to undertake one in the next two years
- No, and we are not intending to undertake due to lack of financial capacity
- No, and we are not intending to undertake due to lack of expertise/technical capacity

**14. What are the three most significant climate hazards faced by your jurisdiction**

Please rank the following 8 options

Include list here? Or just see which answers are most frequent in data set?

- Extreme heat and heat stress
- Extreme cold, snow and ice
- Water shortage
- Wildfire
- Overland flooding
- Coastal flooding, storm surge events and/or other coastal hazards
- Wind, rain, and other storm events
- Ecological, cultural and/or human health impacts (examples of cultural impacts include threats to identities, languages, and livelihoods; examples of ecological impacts include biodiversity loss, erosion, in

**15. Are you responding to this survey on behalf of a Modern Treaty Nation?**

Yes

No

**16. Based on the hazard you indicated as most significant in question 14, as a local government, which groups are most exposed/vulnerable to the impacts of that climate hazard?**

- Select all that apply:
- Low-income households
- Indigenous peoples
- Racialized communities
- Newcomers to Canada (immigrants and refugees)
- People experiencing homelessness
- Seniors
- Women and girls

**17. Based on the hazard you indicated as second most significant in question 14, as a local government, which groups are most exposed/vulnerable to the impacts of that climate hazard?**

Select all that apply:

- Low-income households
- Indigenous peoples
- Racialized communities
- Newcomers to Canada (immigrants and refugees)
- People experiencing homelessness
- Seniors
- Women and girls

**18. Based on the hazard you indicated as third most significant in question 14, as a local government, which groups are most exposed/vulnerable to the impacts of that climate hazard?**

Select all that apply:

Low-income households

Indigenous peoples

Racialized communities

Newcomers to Canada (immigrants and refugees)

People experiencing homelessness

Seniors

Women and girls

**19. Select the top three factors your local government or Modern Treaty Nation needs most to increase the capacity to adapt to climate impacts and build community resilience.**

Increased funding

More community engagement and activation

More partnerships and collaboration across levels of government

Increased staff knowledge, expertise and data specific to climate adaptation

Increased staff capacity

Political support and direction

Do not know

**20. How does your local government or Modern Treaty Nation ensure equitable access to, and distribution of, climate action opportunities and benefits?**

Select all that apply:

By collecting and analyzing disaggregated and/or spatial data on the impact of climate actions

By engaging with equity seeking groups/frontline communities most impacted by climate change

By designing and implementing climate actions that target the barriers to access and resilience faced by the equity seeking groups/frontline communities most impacted by climate change

There are no specific measures in place at this time to ensure equitable access to, and distribution of, opportunities and benefits

Do not know how or if equity is being integrated into our climate action work

## Governance

Reducing GHG emissions and adapting to the impacts of climate change can be enhanced by collaboration across levels of governments.

**21. Do the climate action plan(s) and priorities of your local government or Modern Treaty Nation align with the climate action plans and priorities of senior levels of government?**

Select all that apply (If No for a reason not listed, please specify in Other):

Yes, we align climate action plan(s) and priorities with the federal 2030 Emissions Reduction Plan



Yes, we align climate action plan(s) and priorities with the provincial CleanBC Roadmap to 2030

Yes, we assess our plans and priorities for multilevel alignment

Yes, we collaborate with other communities to align with climate action plans and priorities of senior levels of government

No, there is no process currently for multilevel government collaboration and alignment of climate plans and implementation

No, we do not assess our climate plans and priorities to ensure they align with those of senior levels of government

No, our resource capacity doesn't permit us to collaborate or align more effectively with senior levels of government

Program Requirements

To be eligible for funding, applicants are required to be a signatory to the B.C. Climate Action Charter or a B.C. Modern Treaty Nation and demonstrate climate investment equivalent to 20% of the provincial funding received.

**22. Is your local government a signatory to the B.C. Climate Action Charter or a Modern Treaty Nation?**

Under the Charter, local government signatories commit to:

- Becoming carbon neutral in their corporate operations
- Measuring and reporting their community's greenhouse gas emissions
- Creating complete, compact, more energy efficient communities

Please note: Modern Treaty Nations are not required to be charter signatories; and for local governments, being a charter signatory is a requirement for funding.

Yes

No

**23. To demonstrate commitment to climate action, climate investments (i.e., matching funding or in-kind contributions) equivalent to 20% of the provincial funding received are required of local governments and Modern Treaty Nations. The intent is to show past, current, and future investments in climate action and create awareness and education.**

Our climate investments include (select all that apply):

- Staff time
- Climate or energy studies and/or assessments
- Climate or energy plans, policies and/or strategy development
- Climate resilient infrastructure and/or capital project(s)