



## Local Government Climate Action Program Survey Submission Report

### Port Moody

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Question	Answer
1. Does your local government or Modern Treaty Nation have a climate action plan or strategy?	Yes
1.a. Indicate the date the plan was adopted.	July 2020
1.b. Include a link to the document (URL) or webpage.	<a href="https://www.portmoody.ca/en/services/edocs.ashx?docnumber=511721">https://www.portmoody.ca/en/services/edocs.ashx?docnumber=511721</a>
2. For the calendar year 2021, did your local government or Modern Treaty Nation measure and publicly disclose corporate greenhouse gas (GHG) emissions?	We are measuring corporate GHG emissions for 2021 but have not disclosed yet. We intend to make publicly available by the end of 2022.
3. For calendar year 2021, did your local government or Modern Treaty Nation measure and publicly disclose a community-wide emissions inventory?	Yes, we use data from the CEEI but the latest available data set available is for the year of 2018
4. Is your local government or Modern Treaty Nation tracking progress on its community-wide GHG reduction target?	Yes

4.a. Please provide your reduction target(s).	40% reduction in emissions from 2007 levels by 2030 (over 50% reduction from current emission levels) and carbon neutrality from 2050
4.b. Please provide the target year.	2030 and 2050
4.c. Please provide the baseline year.	2007
4.d. Please provide the link(s) to the document(s) or website if available.	<a href="https://www.portmoody.ca/en/recreation-parks-and-environment/resources/Documents/Climate%20Action/Climate_Action_Plan_Implementation_2021_Annual_Report_-_Phase_One.pdf">https://www.portmoody.ca/en/recreation-parks-and-environment/resources/Documents/Climate%20Action/Climate_Action_Plan_Implementation_2021_Annual_Report_-_Phase_One.pdf</a>
5. Describe up to four climate initiatives, and their outcomes, your local government or Modern Treaty Nation is currently undertaking for Buildings	<p>1. Updated Sustainability Report Card: The Sustainability Report Card is a tool used to evaluate new development proposals, required as a part of many development application submissions. between 2020 and 2022, staff updated the report card to include the latest best practices (e.g. embodied emissions), integrate criteria with city priorities (e.g. affordable housing), integration with community priorities (e.g. tree protection), and update the format of the report card (enhance scoring and usability). The report card identifies performance measures in four sustainability categories:</p> <ul style="list-style-type: none"> <li>• cultural;</li> <li>• economic;</li> <li>• environmental; and</li> <li>• social.</li> </ul> <p>Applicants and staff work together throughout the development approvals process to complete the report card, offering several opportunities for applicants to revise report card commitments based on Council and staff feedback. Final report cards are included in application packages presented to Council and kept as record along with other application documents. The updated report card is also being monitored</p> <p>2. Developing a Climate Ready Homes and Buildings Plan: Through implementation of the City's 2020 Climate Action Plan, staff have been working to develop a Climate Ready Homes and Buildings Plan that will further the community's progress towards buildings that are low emissions and resilient to climate change. Since buildings are the second largest emissions source in the community, by addressing these emissions, Port Moody is ensuring a better future for the community and the world. The Plan outlines actions the City can take</p>

to make homes and buildings in Port Moody climate ready. A climate ready home or building is one that has been designed or modified to:

- meet low carbon and high energy-efficiency standards; and
- manage many of the risks that are linked to climate change such as heat-related illness, poor indoor air quality, and damage from flooding or windstorms.

Implementing the actions outlined in the Plan is expected to put the City on a trajectory to a net-zero emissions building stock by 2050, resulting in a 96% decrease in annual operational emissions by 2050, relative to both 2018 and the business-as-usual scenario. By 2030, the modelled actions will result in an estimated 33.5% reduction from baseline, and 46% reduction from the business-as-usual scenario. The Plan is completed and will be considered by Council on July 26, 2022.

3. Climate Audits on Civic Facilities: Staff have engaged a consulting firm to perform energy audits on the city's top emitting facilities and to undertake climate risk and vulnerability assessments of these facilities. This work will help to inform and prioritize upgrades to city facilities where feasible for projects that will build resilience and reduce risk to building occupants and services and reduce GHG emissions. As a part of this work the City will be monitoring facility energy and cost information on an ongoing basis and benchmarking energy and emissions performance against similar buildings in North America. The City was successful in receiving an FCM grant to support this project.

<p>6. Describe up to four climate initiatives, and their outcomes, your local government or Modern Treaty Nation is currently undertaking for Transportation</p>	<p>1. Transportation Assessments for New Developments: City staff are working with consultants to develop requirements and a process to ensure all new developments have appropriate transportation strategies in place. transportation measures are currently reviewed as part of the traffic impact assessment submitted through the development approvals process. This work will provide staff and development applicants with guidance on the City’s expectations for TDM and transportation strategies for new developments. Staff believe that in order to achieve targets in the Climate Action Plan and the Climate Emergency Declaration regarding sustainable transportation, this work is important. This work complements actions regarding updating the Master Transportation Plan and encouraging density and mixed use neighbourhoods around transportation hubs.</p> <p>2. Updating the Master Transportation Plan: The City is currently undertaking an update the Master Transportation Plan to focus actions on shifting modes to sustainable transportation options, reducing GHG emissions from transportation, and encouraging more use of transit. This work will match the goals of the 2020 Climate Action Plan by accelerating original MTP goals and targets by approximately 15 years in order to meet IPCC committed community GHG reduction targets.</p> <p>3. Zero Emissions Parks Vehicle: In 2021 the City procured a Might-E-Truck, an electric off-road vehicle. The vehicle operates for the Parks team and the City received an FCM grant to pilot the use of this off-road vehicle. The Might-E-Truck has received positive feedback from community members due to the reduced noise in parks, the reduced smell and better air quality from no tailpipe emissions. This pilot program has unlocked the potential for the City to pilot more zero emissions vehicles in the fleet, for example, staff are looking to pilot an electric garbage truck in the summer of 2022.</p> <p>4. Fleet Assessment: The City is conducting a utilization assessment of the City's fleet and identify opportunities to increase efficiency and reduce GHG emissions. The City is engaging a consultant to strategically identify opportunities to:</p> <ul style="list-style-type: none"> <li>- electrify fleet vehicles where possible;</li> <li>-utilize low carbon fuels where electrification is not feasible; and</li> <li>-implement behaviour change programs to improve the efficiency of the fleet.</li> </ul>
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<p>7. Describe up to four climate initiatives, and their outcomes, your local government or Modern Treaty Nation is currently undertaking for Community</p>	<p>1. Encouraging Complete Communities: City staff are continuing to encourage density and mixed-use neighbourhoods around transportation hubs through the Official Community Plan and development applications. This work involves developing and implementing policies and guidelines approved through the Official Community Plan that encourage density and mixed-use neighbourhoods around transportation hubs. This work will be included in the Official Community Plan update process that is already underway. In order to achieve targets in the Climate Action Plan and the Climate Emergency Declaration this action is vital as density is directly related to energy consumption and GHG emissions through its influence on transportation behaviour, space heating efficiency and construction efficiency. This work complements actions regarding updating the Master Transportation Plan, transportation assessment for new developments, and building emissions management strategies.</p> <p>2. Official Community Plan Update: The Official Community Plan (OCP) is our long-term vision for the City of Port Moody. This document provides the City with policies to guide land use, services, and the physical, social, and economic changes in our community. Port Moody 2050 is a one- to two-year process to gather public input and draft focused updates to the OCP that will shape how the community evolves over the next 30 years. the update focuses on our overall vision as well as specific areas of the city: the Moody Centre Transit-Oriented Development Area, the Oceanfront District, the Seaview neighbourhood, and Murray Street. Two community surveys have been conducted thus far, and staff are working with Simon Fraser Universities Action on Climate Change Team (ACT) to integrate a climate lens into the updated OCP. The climate lens will embed both mitigation and adaptation strategies, policies, and considerations throughout all chapters of the updated OCP.</p> <p>3. Developing a Coastal Flood Management Strategy: Staff are currently scoping and developing partnerships for the development of a comprehensive strategy to assess, prepare and respond to sea level rise impacts such as coastal flooding, squeeze, shoreline erosion and inundation. As coastal flooding events can have great influence over land use in the community, this work is important to best prepare for and reduce anticipated impacts along Port Moody's shore line. This action has the potential to have a high level of impact on increasing reliance to climate change impacts.</p>
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8. Describe up to four climate initiatives, and their outcomes, your local government or Modern Treaty Nation is currently undertaking for Climate Resilience

1. Developing an Extreme Weather Resilience Plan: Staff are working with a consultant to develop a plan that will ensure the community and City is prepared for and is able to respond to extreme weather events, which considers assessing civic facilities to provide relief, identifying and supporting vulnerable populations, and developing safety guidelines for City staff working outdoors in extreme weather events. The Plan will focus on supporting the most vulnerable populations and identify and improve the capacity of multi-purpose areas within civic facilities and parks that could be converted to cooling, warming, and emergency support centres when needed. As a part of this work, staff mapped key climate hazard, demographic and equity information to make data-driven decisions about priority actions and where to focus resources. The Plan is nearing completion.

2. Integrated Stormwater Management with a Climate Lens: Staff are working to incorporate climate change risks into integrated stormwater management planning, and include actions such as:

- Restore existing and create new green infrastructure on public and private lands to support managing storm water at its source through collection and infiltration to reduce the system demands and impacts of flooding;
- Incorporate updated rainfall projections (IDF curves) and sea level rise models into development and capital investment planning; and
- Asses and upgrade, where needed, infrastructure and associated maintenance procedures to ensure they are resilient to future hazards related to climate change.

This work is important to continue to increase the resilience of infrastructure to climate impacts. Climate projections indicate increased rainfall and it is essential to incorporate these projections in the stormwater management process in order to effectively prepare and protect infrastructure and the services they provide.

3. Urban Forest Management Strategy: Healthy urban forests help communities mitigate and adapt to the impacts of climate change. Staff are working with consultants to develop a strategy to improve the City's management of urban forest to ensure long-term resiliency and improve canopy cover throughout the community. This work is important in order to best manage the urban forest, increase resilience to future climate scenarios, and to meet commitments in the Climate Emergency Declaration and the goals in the Climate Action Plan. This action has a high potential to increase resilience to climate change impacts.

4. Natural Asset Management Plan: Staff are working to develop a natural assets management plan with consideration of a carbon budget. This work aims to incorporate natural assets into the City's overall asset management plan. Natural assets are ecosystem features that provide, or could be restored to provide, services to the city but historically have not been considered on equal footing or included in asset management plans.

<p>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?</p>	<p>Port Moody is currently updating our Official Community Plan The update includes a climate lens, however, the current 2014 OCP includes strategies that support complete, compact communities such as:</p> <ol style="list-style-type: none"> <li>1. The City will encourage the planning, design and construction of efficient neighbourhoods and buildings to minimize resource consumption, increase use of renewable resources, increase alternative modes of transportation, reduce greenhouse gas emissions and prepare for climate change. This includes, but is not limited to: <ul style="list-style-type: none"> <li>• Sustainable area and subdivision planning and design;</li> <li>• Informed site planning, including building orientation;</li> <li>• High performance building design;</li> <li>• Use of renewable energy sources;</li> <li>• Naturescape landscaping;</li> <li>• Transit-friendly access;</li> <li>• Incorporating car-free areas;</li> <li>• The provision of bicycling facilities (bike lanes, racks and storage);</li> <li>• Encouraging higher density mixed use commercial and residential development;</li> <li>• Encouraging a balance between jobs and the resident labour force; and</li> <li>• Encouraging transit-oriented development</li> </ul> </li> <li>2. The City will encourage sustainable project development by applying the Sustainability Checklist, including energy considerations, to assess the relative strengths of a development proposal from a sustainability perspective and encourage the most sustainable project possible.</li> <li>3. The City will review its development permit area guidelines to incorporate sustainable energy and climate change adaptation considerations.</li> </ol> <p>The 2020 Climate Action Plan includes the following actions that support complete, compact communities:</p> <ol style="list-style-type: none"> <li>1. Encourage density and mixed-use neighborhoods around transportation hubs through the Official Community Plan and development applications.</li> <li>2. Create and implement a policy to encourage development of complete, compact communities that enable the residents' easy access to daily needs.</li> <li>3. Require developers to include comprehensive transportation demand management (TDM) strategies in proposals for new large development projects.</li> </ol>
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<p>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)?</p>	<p>As mentioned in the Community section of this survey, staff are currently working on several initiatives that support community completeness and compactness:</p> <p>1. Encouraging Complete Communities: City staff are continuing to encourage density and mixed-use neighbourhoods around transportation hubs through the Official Community Plan and development applications. This work involves developing and implementing policies and guidelines approved through the Official Community Plan that encourage density and mixed-use neighbourhoods around transportation hubs. This work will be included in the Official Community Plan update process that is already underway. In order to achieve targets in the Climate Action Plan and the Climate Emergency Declaration this action is vital as density is directly related to energy consumption and GHG emissions through its influence on transportation behaviour, space heating efficiency and construction efficiency. This work complements actions regarding updating the Master Transportation Plan, transportation assessment for new developments, and building emissions management strategies.</p> <p>2. Official Community Plan Update: The Official Community Plan (OCP) is our long-term vision for the City of Port Moody. This document provides the City with policies to guide land use, services, and the physical, social, and economic changes in our community. Port Moody 2050 is a one- to two-year process to gather public input and draft focused updates to the OCP that will shape how the community evolves over the next 30 years. the update focuses on our overall vision as well as specific areas of the city: the Moody Centre Transit-Oriented Development Area, the Oceanfront District, the Seaview neighbourhood, and Murray Street. Two community surveys have been conducted thus far, and staff are working with Simon Fraser Universities Action on Climate Change Team (ACT) to integrate a climate lens into the updated OCP. The climate lens will embed both mitigation and adaptation strategies, policies, and considerations throughout all chapters of the updated OCP.</p> <p>Additionally, the City of Port Moody allows for new secondary suites and detached accessory dwelling units to be built in the community.</p>
<p>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?</p>	<p>Like many other BC communities, Port Moody would benefit from access to consistent and reliable community GHG emissions information. While buildings and solid waste information is accessible every few years from the Provincial CEEI, transportation data is not available for communities, leading to a reliance on estimates or expensive means of obtaining information. The full community emissions data set is essential to being able to track progress on community emissions reduction progress and to support whether the design and implementation of complete communities is in fact reducing emissions. It would also be helpful to release CEEI information annually for communities to track and monitor progress.</p>

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

1. Equitable Climate Ready Homes and Buildings Plan: To understand how climate change will impact homes and buildings in Port Moody, the City conducted a climate risk assessment to identify high-level vulnerability of different neighbourhood groupings. Outcomes from this assessment were used to identify the most significant climate risks facing buildings and neighbourhoods in Port Moody. These high-level results are intended to help prioritize the next steps, including neighbourhood-level engagement, follow-up assessments, and targeted policy action, and are not used to determine the likelihood of risk to a specific building or persons. A range of neighbourhood-scale criteria such as demographics, building type, and age were used as proxies for estimating the average risk to buildings in each neighbourhood.

This data provides important insights to ensure policies and programs to reduce GHG emissions and adapt to climate change do not exacerbate existing economic, social, or geographic disparities. However, it is also important to note that vulnerability is not contained within these neighbourhood boundaries. Port Moody residents throughout the community will experience increased susceptibility due to socio-economic factors, and creating a plan to target these individuals is also critical.

Fairness, equity, and affordability will be central considerations in the implementation of the Climate Ready Homes and Buildings Plan. While several actions explicitly target equity, others will need to incorporate equity through program design and implementation. For example, incentives can be income-tested, regulations can provide flexible compliance pathways for specific populations or building types, and education can target vulnerable communities.

2. Equitable Extreme weather Resilience Plan: There are two specific goals that this Plan is working towards:

-Ensure all members of the community have equal access to information, support, and resources related to preparing for climate change impacts.

-Ensure the City is ready to respond to climate-related hazards, such as flooding, wildfires, and extreme heat.

Community members are not impacted the same by extreme weather events. Marginalized groups may be disproportionately impacted and have less resources to support preparedness and adaptation. For example, some community members are more vulnerable to extreme heat such as seniors living alone, children, pregnant women, and those with pre-existing medical conditions. Long term preparedness can help minimize the consequences of extreme weather events exacerbated by climate change. The operation of critical government and business functions, facilities, and infrastructure, that are essential to the residents' human health and safety, and the City's economic viability need to be continuous and uninterrupted as a result of these changes in our climate.

	<p>5 extreme weather events and associated indicators along with 12 community lifelines and 8 demographic variables were selected to evaluate the City of Port Moody's vulnerability. Community lifelines were evaluated to understand climate impacts to critical infrastructure and services and demographic variables along with stakeholder input gave insight into those who may be most impacted by extreme weather events. The result of this work is a comprehensive list of equitable actions that achieve the two goals above.</p>
<p>13. Has a climate risk and vulnerability assessment (or similar assessment) been undertaken for your local government or Modern Treaty Nation?</p>	<p>Yes</p>
<p>13.a. Please provide a link to the document (URL).</p>	<p><a href="https://www.portmoody.ca/en/services/edocs.ashx?docnumber=511721">https://www.portmoody.ca/en/services/edocs.ashx?docnumber=511721</a></p>
<p>14. What are the three most significant climate hazards faced by your jurisdiction</p>	<p>"Extreme heat and heat stress", "Wildfire", "Overland flooding", "Wind, rain, and other storm events", "Coastal flooding, storm surge events and/or other coastal hazards", "Ecological, cultural and/or human health impacts (examples of cultural impacts include threats to identities, languages, and livelihoods; examples of ecological impacts include biodiversity loss, erosion, invasive species, ecosystem changes)", "Extreme cold, snow and ice", "Water shortage"</p>
<p>15. Are you responding to this survey on behalf of a Modern Treaty Nation?</p>	<p>No</p>
<p>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?</p>	<p>"Seniors"</p>
<p>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?</p>	<p>"Pre-existing and chronic health conditions"</p>

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?	"Low-income households"
19. Select the top three factors your local government or Modern Treaty Nation needs most to increase the capacity to adapt to climate impacts and build community resilience.	"Increased funding", "More partnerships and collaboration across levels of government", "Increased staff capacity"
20. How does your local government or Modern Treaty Nation ensure equitable access to, and distribution of, climate action opportunities and benefits?	"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"
21. Do the climate action plan(s) and priorities of your local government or Modern Treaty Nation align with the climate action plans and priorities of senior levels of government?	"Yes, we align climate action plan(s) and priorities with the federal 2030 Emissions Reduction Plan", "Yes, we align climate action plan(s) and priorities with the provincial CleanBC Roadmap to 2030", "Yes, we assess our plans and priorities for multilevel alignment", "Yes, we collaborate with other communities to align with climate action plans and priorities of senior levels of government"
22. Is your local government a signatory to the B.C. Climate Action Charter or a Modern Treaty Nation?	Yes
23. To demonstrate commitment to climate action, climate investments (i.e., matching funding or in-kind contributions) equivalent to 20% of the provincial funding received are required of local governments and Modern Treaty Nations. The intent is to show past, current, and future investments in climate action and create awareness and education.	"Staff time", "Climate or energy studies and/or assessments", "Climate or energy plans, policies and/or strategy development", "Climate resilient infrastructure and/or capital project(s)"
24. Please provide your (or survey primary contact's) first and last name.	Laura Sampliner

25. Please indicate your (or survey primary contact's) position with your local government or Modern Treaty Nation.	Senior Sustainability and Energy Coordinator
26. Please provide your (or survey primary contact's) business email address.	lsampliner@portmoody.ca
27. Please provide your (or survey primary contact's) business phone number.	7782222058



## Local Government Climate Action Program Attestation Form

**Instructions for the Attestor:**

1. Complete and sign this form by filling in the fields below.
2. Email the completed and signed form to [LGCAP@gov.bc.ca](mailto:LGCAP@gov.bc.ca).

I, the Chief Financial Officer, or equivalent position, of \_\_\_\_\_ City of Port Moody \_\_\_\_\_ (name of local government) confirm the following:

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

Attested to by me at (name of local government) \_\_\_\_\_ City of Port Moody \_\_\_\_\_  
on (date) July 19 \_\_\_\_\_ 2022 \_\_\_\_\_

Signature of Attestor: \_\_\_\_\_

Printed Name of Attestor: \_\_\_\_\_

Paul Rockwood

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

General Manager (CFO) of Finance and Technology

Telephone Number of Attestor: \_\_\_\_\_

604-469-4504

Email Address of Attestor: \_\_\_\_\_

[prockwood@portmoody.ca](mailto:prockwood@portmoody.ca)

**Ministry of Environment and  
Climate Change Strategy**

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