



## Local Government Climate Action Program Survey Submission Report

### Victoria

Report generated on Monday, July 18, 2022 09:12 PST

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.	2018
1.b. Include a link to the document (URL) or webpage.	<a href="https://www.victoria.ca/assets/Departments/Finance/Documents/2021-25%20Financial%20Plan%20DIGITAL.pdf">https://www.victoria.ca/assets/Departments/Finance/Documents/2021-25%20Financial%20Plan%20DIGITAL.pdf</a>
2. For the calendar year 2021, did your local government or Modern Treaty Nation measure and publicly disclose corporate greenhouse gas (GHG) emissions?	Yes
2.a. Include a link to the document (URL) or webpage where it is disclosed.	<a href="https://www.victoria.ca/assets/Departments/Sustainability/Documents/City%20of%20Victoria%20Climate%20Action%20Plan.pdf">https://www.victoria.ca/assets/Departments/Sustainability/Documents/City%20of%20Victoria%20Climate%20Action%20Plan.pdf</a>
2.b. Report emissions based on Services Delivered Directly (in tCO <sub>2</sub> e).	3066.74

2.c. Report emissions based on Contracted Services (in tCO2e).	2.26
2.d. Report emissions based on Total Corporate Emissions (in tCO2e).	3069
3. For calendar year 2021, did your local government or Modern Treaty Nation measure and publicly disclose a community-wide emissions inventory?	Yes, we do our own community-wide emissions inventory
3.a. What year is the data from?	2020
3.b. How frequently is data collected (i.e., every 5 years)?	annually
3.c. What methodology is used (e.g. consumption based)?	CEEI and GPC BASIC+ We complete inventories to both methods.
3.d. Include a link to the document (URL) or webpage where it is disclosed.	<a href="ps://www.crd.bc.ca/docs/default-source/climate-actionpdf/reports/2020-crd-ghgmembermunicipality.pdf?sfvrsn=2716ebcd_2">ps://www.crd.bc.ca/docs/default-source/climate-actionpdf/reports/2020-crd-ghgmembermunicipality.pdf?sfvrsn=2716ebcd_2</a>
3.e. What are your total community-wide emissions (in tCO2e)?	408761
3.f. What are the sectoral emissions from energy use in buildings (in tCO2e)?	200949

3.g. What are the sectoral emissions from energy use in transportation (in tCO <sub>2</sub> e)?	151288
3.h. What are the sectoral emissions from methane at landfills (in tCO <sub>2</sub> e)?	20533
3.i. What are the indirect emissions from electricity used in the community (in tCO <sub>2</sub> e)?	31696
3.j. What is the energy use from electricity (in kWh)?	790433132
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).	80% reduction in community GHG emissions by 2050 from a 2007 baseline. Transition to 100% renewable energy by 2050
4.b. Please provide the target year.	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.victoria.ca/assets/Departments/Sustainability/Documents/City%20of%20Victoria%20Climate%20Action%20Plan.pdf">https://www.victoria.ca/assets/Departments/Sustainability/Documents/City%20of%20Victoria%20Climate%20Action%20Plan.pdf</a>

<p>5. Describe up to four climate initiatives, and their outcomes, your local government or Modern Treaty Nation is currently undertaking for Buildings</p>	<p>1. Adoption of Step Code and Carbon Pollution Standard: Step Code was first adopted in Victoria on November 1, 2018, with higher Steps coming into effect on January 1, 2020. The current requirement is for high-rise, concrete residential and commercial buildings and small homes (garden suites) to reach Step 2, and single-family homes, duplexes, townhomes and mid-rise, wood frame residential buildings to reach Step 3. The City has also been engaging with industry on timelines for adopting the upper steps as well as targeting all buildings be “low-carbon” as per the new carbon pollution standard by 2025.</p> <p>2. Heat Pump incentive top-up for fuel switching: The City of Victoria offers \$2000 top up to the provincial incentives for residents who switch from oil or gas and install a heat pump. The Program has successfully helped close to 200 households install heat pump systems, making their homes climate friendly and more resilient to climate impacts such as heat waves and wildfire smoke.</p> <p>3. Regional Building Energy Retrofit Program: the City of Victoria has been collaborating with the CRD and local municipalities on the development of a regional building energy retrofit program which is anticipated to launch in fall of 2022. The program aims to support home and building owners across the region to undertake deep retrofit actions and achieve ghg reductions. This program will build off the existing regional program (Bring it Home for Climate) which offers virtual home energy check-ups, informational webinars, and other support.</p> <p>4. Climate Friendly Homes – The city of Victoria is developing campaign materials, educational tool-kits and training workshops to help residents better understand what they can do to their home climate friendly with a focus on electrification. This program aims to empower residents to share this information with their neighbors, with a focus on encouraging neighbor to neighbor conversations</p>
---	---

<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. Implementation of Go Victoria (the City’s Sustainable Mobility Strategy): GoVictoria represents a multi-year integrated mobility plan to strengthen transportation safety and performance. It includes key initiatives with specific targets, goals and strategies. The Key Initiatives include: adopt vision zero, transform public transit, accelerate accessible and active transportation, shift to zero emissions, rethink the curb, and harness data and technology. Each year, through the capital and operating budget process, the City is advancing projects, initiatives, bylaws and programs to support the Go Mobility vision to have clean, seamless mobility options for everyone.</p> <p>2. Installation of the All Ages and Abilities Cycling Network: The City is investing in infrastructure and programs focused on encouraging mode shift to walking, cycling, rolling, public transit and shared mobility. Capital investments such as the Transit Shelter Replacement Program, the All Ages and Abilities Cycling Network, Crosswalk Program, and various pathway and sidewalk projects are designed to improve safety and comfort. This includes establishing a minimum grid network of over 30km of cycling infrastructure: “the priority AAA bike network” and 240 new or upgraded crossings.</p> <p>3. Implementation of The City’s Electric Vehicle and E-Mobility Strategy: The City is investing \$8.5 million between 2022 and 2027 (this assumes an additional 50% grant funding from other levels of government) to install over 650 public charging stations with at least 30 Direct Current Fast Charging stations to build a public charging network to support the adoption of Electric Vehicles. This is anticipated to enable the City to meet our target of 30% of registered passenger vehicles are electric by 2030, reducing ghg emissions.</p> <p>4. Supporting the expansion of car share: The City is supporting the expansion of car share services, including one-way and two-way models, and currently working to provide EV charging options for car share companies.</p>
--	---

<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. Implementation of the City's Climate Leadership Plan (adopted in 2018). – the City’s comprehensive strategy to reduce greenhouse gas (GHG) emissions and adapt to the changing climate. The Climate Leadership Plan (CLP) aims to reduce community greenhouse gas emissions by 80 percent below 2007 levels and transition to 100% renewable energy by 2050. The 2020 CLP progress report shows that of the 85 actions identified in the CLP, 74 percent are either underway or in early stages, 18 percent have been completed, and 8 percent will be initiated in future years. A 2022 CLP progress report is currently under development.</p> <p>2. Complete Compact Communities - The OCP includes guidelines to support the development of complete villages and centres – with a variety commercial and community services – to ensure the majority of Victoria residents are within a 15-minute walk of their daily needs. The Official Community Plan further aims to ensure that sustainable transportation options are available to all. The downtown and the majority of villages and centres are located on or near existing or envisioned frequent transit routes and the plan aims to ensure that 99% of residents are within 400 metres of a bus stop by 2041</p> <p>3. Implementation of Zero Waste Victoria (adopted in 2020) - Zero Waste Victoria is the plan that will guide the city’s transition to a future where products and materials are avoided, reduced, and reused instead of disposed in the landfill. The City has recently launched its new curbside service for residential yard waste collection. This service change has resulted in a 49% increase in organics collected for composting, a 5% reduction in landfilled waste and a 27% decrease in the number of vehicles queuing for the Saturday drop-off at the Public Works Yard.</p> <p>4. Community Climate Change Adaptation Planning - The City is in the process of developing a Climate Change Adaptation Plan, which involves a Corporate Chapter with actions that the City can take to adapt to climate change, and a Community Chapter that is supported by organizations across the city taking their own adaptation actions. The actions in this plan are informed by a City-wide Hazard, Risk and Vulnerability Assessment, and both a Corporate and Community Climate Change Vulnerability and Risk Assessment. The outcome of this plan will be a wide range of actions that can be taken by both the City and community members to improve the community’s overall resilience to a changing climate.</p>
<p>8. Describe up to four climate initiatives, and their outcomes, your local government or Modern Treaty Nation is currently undertaking for Climate Resilience</p>	<p>1. Community Climate Change Adaptation Planning &amp; HRVA - The City is in the process of developing a Climate Change Adaptation Plan, which involves a Corporate Chapter with actions that the City can take to adapt to climate change, and a Community Chapter that is supported by organizations across the city taking their own adaptation actions. The actions in this plan are informed by a City-wide Hazard, Risk and Vulnerability Assessment, and both a Corporate and Community Climate Change Vulnerability and Risk Assessment. The outcome of this plan will be a wide range of actions that can be taken</p>

by both the City and community members to improve the community's overall resilience to a changing climate.

2. Neighbour Hubs - The City is building a collection of Neighbourhood Hubs – vibrant public spaces that foster community connection while providing emergency resources for neighbourhoods. Neighbour Hubs will act as outdoor community meet-up spots to swap ideas and share local news and information at any time, and especially during an emergency. There are currently three Neighbour Hubs in the City, with one more to be constructed in 2022. The plan is to eventually have one Hub in every neighbourhood. This is supported through the City's Connect and Prepare Program, which helps residents identify their neighbourhood's assets, skills, and challenges they may face based on their community's risks, and to develop solutions and actions that will be most valuable to their community to prepare for, respond to and recover from a major emergency. It seeks to identify and connect vulnerable residents with each other to increase disaster preparedness, and addresses multiple hazards such as extreme weather events, heat, earthquakes, tsunamis, etc.

3. Underground Infrastructure investment for tsunami, SLR and seismic resilience - the City is allocating \$53.8 million for 78 capital infrastructure projects over the next 10 years to help protect the health and resiliency of our community and the environment. The program is partially funded by a \$15.3 million grant provided through Infrastructure Canada's Disaster Mitigation and Adaptation Fund (DMAF). This will help keep our underground assets in good condition to minimize future infrastructure costs, serve our growing community and protect critical underground infrastructure from earthquakes and climate change events like sea level rise and extreme storms. This work will be undertaken as part of a comprehensive program of seismic and climate resiliency work.

4. Hazard and Vulnerability Mapping Projects - The City is participating in a variety of mapping projects to inform future planning to improve resilience to climate events. The City recently participated in the Capital Regional District's Coastal Flood Inundation Mapping Project, which has produced detailed sea level rise and tsunami hazard maps for the City and region. This modelling will help inform future actions around Flood Construction Levels for the City. The City is also working regionally to produce a detailed heat vulnerability map to better understand what vulnerability and exposure to heat looks like in the community, in order to inform targeted action to support vulnerable populations. In addition, the City is currently working on a carbon sequestration study to better understand the value that the urban forest provides to the community, both in terms of carbon sequestration and improving resiliency to climate impacts. This project will support decision-making by providing a holistic understanding of the multiple benefits and concrete values of the urban forest, enabling the City to make better-informed decisions to balance the growing pressures of development, densification, and preserving the urban forest.

<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>The Growth Management Framework in Victoria's Official Community Plan is predicated on the development of compact, complete, and connected communities that support both livability and GHG emission reduction. The Framework targets 50% of growth to the downtown core area and an additional 40% of growth to the city's network of connected urban villages and town centres. The OCP includes guidelines to support the development of complete villages and centres – with a variety commercial and community services – to ensure the majority of Victoria residents are within a 15-minute walk of their daily needs. The Official Community Plan further aims to ensure that sustainable transportation options are available to all. The downtown and the majority of villages and centres are located on or near existing or envisioned frequent transit routes and the plan aims to ensure that 99% of residents are within 400 metres of a bus stop by 2041. It further supports cycling and the city's growing network of All Ages and Abilities cycling routes.</p>
<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>In 2012, the City adopted an updated Official Community Plan which included a Growth Management Framework and land use policies which seek to accommodate 90% of added housing within 400m of the downtown core area, town centres and large urban villages; to accommodate centres and villages which provide for goods and services for daily living; and to provide most residents with access to frequent transit, parks and amenities within 400m of home.</p> <p>In 2021, the City of Victoria undertook two studies which informed the Housing Futures Report, to determine how much housing would be needed within the city; if the current Official Community Plan provided enough land use capacity to meet the projected housing need; and how that housing might be likely to be located given the City's strategic goals established in the Official Community Plan.</p> <p>The city has been undertaking a number of initiatives to support the objectives of the Official Community Plan with regard to compact and connected communities. This includes downtown and local area planning which furthers the OCP; implementation of the Go Victoria Sustainable Mobility strategy; and implementation of 44 actions in the Victoria Housing Strategy which seek to provide diverse housing opportunities for people with different incomes, family types, and lifestyles.</p> <p>The City continues to make intentional decisions to reconcile mobility networks and accelerate walkable and bikeable neighbourhoods that are supported by local, frequent and rapid bus services and shared mobility options.</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>Fine grained travel pattern data is very desirable. We have regional O&amp;D surveys done every five years and limited VKT Data. Having more frequently collected and better-quality data that is down to the block level would significantly improve the foundation of policy and planning related to the creation of complete compact communities.</p> <p>Resourcing additional capacity for regional / local data collection and/or making big changes to collect or access provincial data to share with local governments and modern treaty nations are possible routes to the provision of better data.</p>
<p>12. From 2021 to now, has your local government or Modern Treaty Nation taken any action(s) to address climate impacts?</p>	<p>The City has been engaging with a diverse, cross-sectoral Climate Adaptation Working Group made up of organizations in the community to inform the Community Chapter of the City’s Climate Change Adaptation Plan. In June 2021 the City of Victoria experienced extreme heat which resulted in 18 deaths in the City of Victoria. Following the heat dome, a survey was sent to this group to get a better understanding of the impacts experienced in the community, ideas for action, and support needed in the future.</p> <p>The City has been very active in heat response planning and has been working regionally to better understand the impact that extreme heat has on vulnerable populations in order to better prepare and respond to future events. The City is currently seeking funding to produce a heat vulnerability mapping dashboard that examines how a variety of heath, demographic, and topographical indicators impact vulnerability and exposure to heat. The outcomes of this project will directly inform future extreme heat response. The City also recently created an Extreme Heat Response Plan, which clearly outlines the roles and responsibilities for responding to these events in the future.</p> <p>The City has also participated in a variety of peer initiatives that support action at the intersection of climate, equity, and reconciliation. The City recently launched an internal Climate and Equity Community of Practice that brings staff together across departments to explore the intersections of climate and equity in their work, and to support collaboration and deepen understanding of opportunities for action.</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://pub-victoria.escribemeetings.com/filestream.ashx?DocumentId=77641">https://pub-victoria.escribemeetings.com/filestream.ashx?DocumentId=77641</a></p>

14. What are the three most significant climate hazards faced by your jurisdiction	"Extreme heat and heat stress", "Wind, rain, and other storm events", "Coastal flooding, storm surge events and/or other coastal hazards", "Overland flooding", "Wildfire", "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)", "Water shortage", "Extreme cold, snow and ice"
15. Are you responding to this survey on behalf of a Modern Treaty Nation?	No
16. Based on the hazard you indicated as most significant in question 14, as a local government, which groups are most exposed/vulnerable to the impacts of that climate hazard?	"Low-income households", "People experiencing homelessness", "Seniors"
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?	"People with accessibility/mobility issues", "Low-income households", "People experiencing homelessness"
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?	"Indigenous peoples"
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.	"More partnerships and collaboration across levels of government", "Increased staff knowledge, expertise and data specific to climate adaptation", "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.	"incentives", "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 Berndt
25. Please indicate your (or survey primary contact's) position with your local government or Modern Treaty Nation.	Manager, Energy and Climate Action
26. Please provide your (or survey primary contact's) business email address.	lberndt@victoria.ca
27. Please provide your (or survey primary contact's) business phone number.	2364645840



## 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 Victoria (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 March 31, 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 Victoria  
on (date) June 22, 2022

Signature of Attestor:

*Susanne Thompson*

Printed Name of Attestor:

Susanne Thompson

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

Deputy City Manager and Chief Financial Officer

Telephone Number of Attestor:

250-385-5711

Email Address of Attestor:

sthompson@victoria.ca