



Local Government Climate Action Program Survey Submission Report

Nanaimo

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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.	Monday July 4, 2022. The City's Climate Action Plan is integrated within City Plan. City Plan supersedes the City's existing Climate Change Resiliency Strategy (2020), Community Sustainability Action Plan (2012) and the Transportation Master Plan (2014).
1.b. Include a link to the document (URL) or webpage.	https://ehq-production-canada.s3.ca-central-1.amazonaws.com/805bbdc7426038f749f9f02315b991ab8baddabc/original/1654803032/d22167cc4697c8abcd4a670cb595b944_City_Plan_Bylaw_2022_No._6600_-_Bylaw_Only.pdf?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIAIBJCUKDD4ZO4WUUA%2F20220616%2Fca-central-1%2Fs3%2Faws4_request&X-Amz-Date=20220616T200828Z&X-Amz-Expires=300&X-Amz-SignedHeaders=host&X-Amz-Signature=584295c8a59df7b7eebd359d5b55fb743359926f8da50b79f732896160a5c1f6
2. For the calendar year 2021, did your local government or Modern Treaty Nation measure and publicly disclose corporate greenhouse gas (GHG) emissions?	No, corporate GHG emissions are not currently being measured, but we are currently undertaking one and it will be complete in the next year
3. For calendar year 2021, did your local government or Modern Treaty Nation measure and publicly disclose a community-wide emissions inventory?	Community GHG emissions are measured, but the inventory is not publicly disclosed

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).	Between 50% and 58% below 2010 levels by 2030, and between 94% and 107% below 2010 levels by 2050.
4.b. Please provide the target year.	Between 50% and 58% below 2010 levels by 2030, and between 94% and 107% below 2010 levels by 2050.
4.c. Please provide the baseline year.	2010
4.d. Please provide the link(s) to the document(s) or website if available.	https://www.nanaimo.ca/green-initiatives/climate-action#:~:text=In%20April%202019%2C%20recognizing%20the,by%202030%2C%20and%20between%2094%25
5. Describe up to four climate initiatives, and their outcomes, your local government or Modern Treaty Nation is currently undertaking for Buildings	<p>Initiative: BC Step Code Rezoning Policy- In 2021 the City adopted the BC Step Code Rezoning policy which requires new development to exceed Provincial building code energy efficiency standards or include a low carbon energy system that does not exceed a greenhouse gas intensity limit of 3kg/m²/year. The City is currently working towards accelerating the City's BC Step Code policy including implementing a low carbon energy system (LCES) building policy. The LCES policy will be guided by anticipated Provincial BC Building Code updates in December 2022. Staff expect to bring a report to the City's Environment Committee as early as 2022-JUL-27 regarding LCES and Step Code acceleration options.</p> <p>Outcomes: Buildings and Infrastructure account for 31% of the City's total community emissions (2017). By regulating Greenhouse Gas intensity (GHGi) in buildings the City can reduce building emissions in new buildings far beyond what would be achieved solely through Step Code compliance. A recent study by AES engineering shows that a typical Step 4 Part 9 building heated by natural gas has a GHGi of approximately 8 kg/m²; whereas even a similar Step 2 building heated by any electric technology has a GHGi of less than 2 kg/m². By regulating GHGi and GHG emissions in buildings the City expects to reduce about 2.4% of the reductions needed to achieve the City's 2050 target.</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>Initiative: Electric Vehicle Strategy- The City of Nanaimo plans to begin work on an E-Mobility strategy in 2023. The E-Mobility strategy will build upon the work already done in the City’s parking bylaw which requires at least 25% of all required parking spaces for multiple family housing to have access to a Level 2 Electric Vehicle Charge Receptacle and all remaining spaces to be provided with an electrical outlet box wired with a separate branch circuit capable of supplying electricity to support the installation of a Level 2 charger. The E-mobility strategy will help the City identify opportunities to provide electric vehicle (EV) charging capacity on City owned property and streets and to incentivise and/or regulate charging spaces on privately owned land, as well as to support the wider adoption of e-bikes.</p> <p>Outcomes: The intent of the strategy will be to increase the number of EV charging stations in the City and ultimately increase EV and e-bike ownership and usage. Full adoption of light-duty EVs is estimated to reduce 33% of the reductions needed to achieve the City’s 2050 target.</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>Initiative: City Plan Nanaimo Reimagined: Since the fall of 2019, the City of Nanaimo has been working towards a comprehensive update of strategic planning policy documents through the Reimagine Nanaimo process. The City Plan integrates and serves as the City’s Official Community Plan; Parks, Recreation, and Culture Plan; Transportation Plan; Active Mobility Plan; Climate Action and Resiliency Plan; and Accessibility and Inclusion Plan.</p> <p>Outcomes: Council adopted City Plan Bylaw 2022 No. 6600 on Monday, July 4, 2022. Staff will continue to refine the Action Plan and Implementation Strategy which will accompany City Plan and be presented to Nanaimo Council in the winter following Council elections.</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>Initiative: Extreme Weather Strategy: The City's Climate Change Resiliency Strategy (2020) recognizes the impact of extreme heat on vulnerable population groups and includes the development of an Extreme Heat Response Strategy that includes information on cooling spaces that can serve community members during heat wave as a priority action. Following the June 2021 British Columbia heat dome, the BC Corners service issued a report noted heat related deaths occurred more frequently among those who lived in "socially or materially deprived neighbourhoods than the general population". The report noted these neighbourhoods also generally had less tree cover and other shading than other neighbourhoods. In response to this report and as an update to the City's Extreme Weather Strategy the City is seeking funding to map heat-sensitive populations within the City. This data will help the City identify the locations, types of dwelling and the distribution of the populations that are most vulnerable to a future heat event and where the City needs to invest further mitigation resources.</p> <p>Outcomes: The City has since developed a draft Extreme Weather Strategy which is currently a working draft and will continue to be refined in 2022 and 2023.</p>
<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>Section D.2 of the City's OCP- City Plan Nanaimo Reimagined adopted on July 4, 2022 focuses on Growth Management. City Plan also includes a Urban Containment Boundary (UCB) to focus growth and development to defined areas. The City will not extend services to areas outside the UCB, except for health or environmental reasons. The City of Nanaimo is within the jurisdictional boundary of the Regional District of Nanaimo (RDN) and its Regional Growth Strategy (RGS) Bylaw No. 1615 as adopted on November 22, 2011. The City of Nanaimo is recognized as a primary urban centre with the boundary aligning with the Growth Containment Boundary (GCB) within the RGS; as such the RGS encourages growth within City boundaries and discourages density outside the City boundary. A Regional Contact Statement is included within Section A1.3 of City Plan.</p> <p>Land Use is addressed in Section D4 of City Plan. The land use plan builds from the City's previous OCP and continues to focus density in Centres and Corridors.</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>As noted above in 2019 the City began work on City Plan Nanaimo Reimagined, a comprehensive Official Community update which also integrates the Parks, Recreation, and Culture Plan; Transportation Plan; Active Mobility Plan; Climate Action and Resiliency Plan; and Accessibility and Inclusion Plan. On Monday, July 4, 2022 Council adopted City Plan Bylaw 2022 No. 6600. City Plan includes new land use direction and policy to increase community completeness and compactness. Land Use is addressed in Section D4 of City Plan. The land use plan builds from the City's previous OCP and continues to focus density in Centres and Corridors.</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>	<ul style="list-style-type: none"> • Transportation modal split • Density- number of units per hectare • Vehicle kilometres driver per resident (VKT) per day
<p>12. From 2021 to now, has your local government or Modern Treaty Nation taken any action(s) to address climate impacts?</p>	<p>Yes. Nanaimo's new Official Community Plan- City Plan Nanaimo Reimagined Plan (adopted on 2022-JUL-04) includes a new development permit area (DPA) established to avoid and mitigate the impacts of sea level rise. The Sea Level Rise DPA was a recommendation of the City's 2020 Climate Resiliency Strategy and was informed by the City of Nanaimo's 2018 Sea Level Rise Study. This study was used to establish the flood construction level to establish the minimum elevation to which buildings or infrastructure may be constructed. This includes the cumulative impacts of high tide, storm surge, and wind and wave effects, in addition to flood analysis. The objective of the DPA is to protect property and development from the impacts of sea level rise on lands at risk of flooding, erosion, and slope failure due to sea level rise and storm surge. All lands within the mapped DPA area will require further localized study by a professional engineer and may be subject to setbacks from the ocean boundary and an increased minimum flood construction level.</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>	<ul style="list-style-type: none"> • https://www.nanaimo.ca/docs/social-culture-environment/sustainability/climate-change-resilience-strategy-(2020).pdf
<p>14. What are the three most significant climate hazards faced by your jurisdiction</p>	<p>"Extreme heat and heat stress", "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, invasive species, ecosystem changes)", "Extreme cold, snow and ice", "Water shortage", "Overland flooding", "Wildfire"</p>
<p>15. Are you responding to this survey on behalf of a Modern Treaty Nation?</p>	<p>No</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?	"Low-income households", "Indigenous peoples", "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?	"Low-income households", "Indigenous peoples", "People experiencing homelessness", "Seniors"
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", "Indigenous peoples", "People experiencing homelessness", "Seniors"
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 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?	"The City's 2050 GHG reduction target of 94% to 107% by 2050 exceeds Federal and Provincial targets. The municipal is based on a 2010 baseline.", "Yes, we align climate action plan(s) and priorities with the federal 2030 Emissions Reduction Plan", "Yes, we align climate action plan(s) and priorities with the provincial CleanBC Roadmap to 2030", "Yes, we assess our plans and priorities for multilevel alignment"
22. Is your local government a signatory to the B.C. Climate Action Charter or a Modern Treaty Nation?	Yes

<p>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.</p>	<p>"Annual contribution to our Climate Action Reserve Fund", "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)"</p>
<p>24. Please provide your (or survey primary contact's) first and last name.</p>	<p>Ting Pan</p>
<p>25. Please indicate your (or survey primary contact's) position with your local government or Modern Treaty Nation.</p>	<p>Manager, Sustainability</p>
<p>26. Please provide your (or survey primary contact's) business email address.</p>	<p>Ting.Pan@nanaimo.ca</p>
<p>27. Please provide your (or survey primary contact's) business phone number.</p>	<p>2507554457</p>



Local Government Climate Action Program Attestation Form

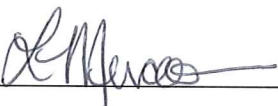
Instructions for the Attestor:

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

I, the Chief Financial Officer, or equivalent position, of City of Nanaimo (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 Nanaimo
on (date) JULY 21 2022

Signature of Attestor: 

Printed Name of Attestor:
LAURA MERCER

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

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Climate Change Strategy

Climate Partnerships and
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