



Local Government Climate Action Program Survey Submission Report

Nanaimo Regional District

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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.	November 23, 2021
1.b. Include a link to the document (URL) or webpage.	https://www.rdn.bc.ca/sites/default/files/inline-files/CATAC%20Final%20Report%20%281%29.pdf
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 measured, but not made public
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).	80% below 2007 baseline 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.	https://www.rdn.bc.ca/cms/wpattachments/wpID1436atID9178.pdf
5. Describe up to four climate initiatives, and their outcomes, your local government or Modern Treaty Nation is currently undertaking for Buildings	<p>We are incentivizing uptake of energy efficient buildings through our Green Building Incentive program, which provides incentives for residents who building new efficient homes, use low carbon local resources, install heat pumps or renovate their homes for energy efficiency. In 2021, the program supported 82 residents in taking action on home energy efficiency and clean technology.</p> <p>In fall 2021 the RDN delivered a fall outreach series for residents to connect them with resources and guidance on climate-adaptive home renovations and energy efficient new home builds using low embodied carbon materials. Over 100 residents participated in the outreach series and we extended participation to other regional districts in our vicinity.</p> <p>The RDN published our Sustainable Site Planning Guide in Spring 2021. The guide helps residents plan and site their new buildings in a way that minimizes risk exposure to climate and was promoted to residents through the fall webinar series and through traditional and social media.</p> <p>The RDN completed our Corporate Carbon Neutral 2032 Plan in spring 2021, the plan identifies actions to reduce reliance on offsets and achieve sustained corporate carbon neutrality through emission reductions. Key facility projects were identified in 2021 and work on implementation will proceed in following years.</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>The Regional District of Nanaimo is lead for the Mid-Island Electric Vehicle Charging Station project which will install 28 EV charging stations across the mid-Vancouver Island area. The RDN is sponsoring 10 of these stations. Work on project coordination with the 11 other local government partners proceeded in 2021, preparing for installations 2022-2023.</p> <p>In 2021, the Regional District of Nanaimo supported 15 residents in installing home electric vehicle charging stations by providing incentives through our green building incentive program. We also delivered a fall webinar on EVs in the mid-Island area to help connect residents with information on rebates and practicalities of EV ownership as part of our climate action outreach fall series.</p> <p>The RDN expanded transit routes and service hours in 2021 and conducted engagement to get public input on a revised Transit Redevelopment Strategy. New offerings included the start of a new inter-regional transit route that connects the Cowichan Valley Regional District with the Nanaimo Regional District, addressing one of the existing barriers to car-free interregional travel. These actions directly improve resident options for low emission, car-free travel.</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>In 2021, the Regional District of Nanaimo's household organic waste program diverted 4590 tonnes of household organic waste from landfill, reducing waste emissions by 2471 tCO₂e.</p> <p>The Regional District's Climate Action Technical Advisory Committee (CATAC) completed their final report, which was approved by the RDN Board in November 2021. The CATAC Final Report identifies the top three actions on climate adaptation and mitigation to focus on over the next three years. The RDN Board funded all three actions in the 2022 budget. This plan is focused on actions that address community climate adaptation and resilience.</p> <p>The Regional District of Nanaimo has partnered with the City of Nanaimo to start a community volunteer program that supports residents in taking community climate action, with funding from ICLEI Canada. The program is under development and is intended to launch in Fall of 2022.</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>The RDN published its coastal flood hazard atlas in October of 2021. This map atlas shows projected coastal inundation risk for all properties within the RDN, with the exception of City of Nanaimo properties. These maps give coastal residents the information they need to make informed decisions about climate risk mitigation. The results will be considered as part of a proposed update to the RDN's Floodplain Management Bylaw.</p> <p>The RDN also continued work on flood plain mapping of three of its highest risk rivers to ensure that residents have the information they require to make informed risk management decisions. When complete, revised flood plain maps will be made available to the public. The information collected through these studies will inform a proposed update of the RDN's Floodplain Management Bylaw, making it more reflective of current and anticipated climate risks.</p> <p>The RDN continues to assess and address risk posed by wildfire and extreme weather events through its emergency service programming, including active FireSmart programming and the development of new community evacuation plans.</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"> • Flat rate costs to local government servicing of development at different densities (e.g. SFD, townhouse, duplex, 4-6 plex, 4-6 storey apartment, 6+ storey apartment) – this would include cost per sq.ft. of roads, potable water, sanitary sewer and storm sewer • GHG emission averages for those types of development • Densities required to make transit viable (again, averages would be used or several case studies) <p>In general - data that allows modeling of GHG impacts associated with different development patterns and policies</p> <p>Improved CEEI data and provision of consistent platform/methodology to easily quantify (estimate) community emissions, including clear documentation of methodology/data derivation and a quantification of likely error around those estimates.</p> <p>Regional transportation models that can be used to test impacts of different development patterns and technology uptake (e.g. electric vehicle uptake).</p> <p>Case studies of successful densification and complete communities created within rural settings.</p> <p>Regular collection of land use change data (e.g. remote sensing/LIDAR) so we can estimate land use change over time on a regular basis, including changes to carbon sequestration.</p>

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

The RDN has or is:

- initiated a natural asset inventory, condition assessment and condition assessment to better understand the current state of our natural assets. The inventory will be used to help develop policy to better protect natural assets that buffer against the effects of climate change.

- completed flood plain mapping of 3 major rivers in our area and are preparing the information for public release. The RDN has also published updated coastal inundation maps with revised flood construction levels. This data will help ensure residents, staff, and elected officials can make informed decisions that reduce exposure to climate-related hazards. The RDN will use this information to update the floodplain bylaw that regulates flood construction levels.

- completed outreach and education to residents around water conservation and water-wise landscaping, FireSmart programming, climate-adapted homes, and sustainable site planning.

- updating the Regional Growth Strategy (RGS). The purpose of the review is to improve select policy areas (such as housing, transit and climate action) and to update information used to monitor the RGS and demographic changes since the strategy was last updated in 2011. The updated strategy, is anticipated to be completed in 2023 and will be called Shaping Our Future: 2040. Shaping Our Future: 2040 will represent the collective vision for how our region will change and grow to accommodate an estimated 193,000 people and 80,598 jobs over the next 20 years.

- adopted the new Regional Strategy for Rainwater Management to provide a collaborative framework to coordinate actions across jurisdictions to effectively use rain as a resource, promote the maintenance of natural hydrologic function and protect the quality of water. This is a regulatory commitment for the RDN, under the Liquid Waste Management Plan. The RDN's Drinking Water and Watershed Protection (DWWP) program provides the implementation mechanism for strategy and other rainwater related commitments.

- approved a new 10-year plan for the DWWP program following a successful first 10-year plan.

- developed a Transit Redevelopment Strategy to a more direct, frequent, and easy to use system over the next five years.

- consulting on two bylaws set out out in the RDN Solid Waste Management Plan that aim to build the business of diversion in the Commercial and Institutional sectors and ensure all residents have the ability to recycle and compost their waste:

1. Mandatory Waste Source Separation – All businesses, multi-family buildings and institutions will be required to have a system to separate their waste into organics, recycling and garbage containers for collection. Collection can be done by an RDN Licensed Hauler, or businesses could make their own arrangements.

2. Waste Hauler Licensing – Businesses that haul waste for profit – usually the same companies who pick up waste from commercial buildings – will be required to obtain a license. These Licensed Haulers would help ensure their commercial customers have systems in place for separating and collecting organics, recycling and garbage. The bylaw would provide an opportunity to give licensed haulers a

	<p>discounted tipping rate at the landfill for waste that does not contain any recyclable or compostable materials. The discounted tipping rate for waste haulers is to encourage the flow of waste from generators to the waste industry rather than directly to the landfill.</p> <p>The bylaw will also allow the introduction of a disposal levy for waste landfilled or incinerated in or out of region. The levy will not be applied to material that is recycled or composted. The purpose is to encourage industry's focus on waste reduction by making it more profitable to divert than dispose. This model will also provide reliable tracking of waste diversion/disposal and has the economic benefit of growing the local waste industry.</p>
13. Has a climate risk and vulnerability assessment (or similar assessment) been undertaken for your local government or Modern Treaty Nation?	The RDN has completed a Hazard Risk & Vulnerability Assessment for the region that includes climate change.
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", "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", "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.	"provincial regulation that requires climate risk be mitigated in critical public infrastructure when it is constructed or renewed", "Increased funding", "More community engagement and activation", "Political support and direction"
20. How does your local government or Modern Treaty Nation ensure equitable access to, and distribution of, climate action opportunities and benefits?	"ongoing research into methods that are both successful and feasible", "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?	"We align priorities with federal/provincial priorities where resources and our regional context allow", "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.	Jessica Beaubier
25. Please indicate your (or survey primary contact's) position with your local government or Modern Treaty Nation.	Climate Change and Resilience Coordinator



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 Regional District 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) Regional District of Nanaimo
on (date) July 27 20 22

Signature of Attestor:

Tiffany Moore

Printed Name of Attestor:

Tiffany Moore

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

Acting Director of Finance

Telephone Number of Attestor:

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Climate Partnerships and
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