



Local Government Climate Action Program Survey Submission Report

North Saanich

Report generated on Friday, July 15, 2022 12:33 PST

| Question | Answer |
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| 1. Does your local government or Modern Treaty Nation have a climate action plan or strategy? | A Climate Change Select Committee (CCSC) was established in December 2019 to provide recommendations to the North Saanich Council on how the District could most effectively focus action to address climate change. We are in the process of a comprehensive OCP review which includes application of a climate lens and will include adaptation and mitigation policy measures. It will also include a review of energy and GHG profile, modelling of recommended preliminary GHG reduction strategies, and recommended GHG targets based on modelling. A climate action plan is anticipated to follow the OCP review in 2024. |
| 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 completed in the next two years |
| 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? | The Capital Regional District (CRD) prepared data for community wide emissions (conducted through the regional energy and emissions inventory) in 2021. The data used 2007 as the base year and 2020 as the report year for energy and GHG emissions inventory. |
| 3.b. How frequently is data collected (i.e., every 5 years)? | 2 years as per the CRD Climate Action Strategy (2021) |

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| 3.c. What methodology is used (e.g. consumption based)? | The Global Protocol for Community-Scale Greenhouse Gas Emission Inventories (the GPC Protocol) was used and included two established levels of reporting BASIC and BASIC + |
| 3.d. Include a link to the document (URL) or webpage where it is disclosed. | https://www.crd.bc.ca/docs/default-source/climate-action-pdf/reports/2020-crd-ghgmembermunicipality.pdf?sfvrsn=2716ebcd_2 |
| 3.e. What are your total community-wide emissions (in tCO ₂ e)? | 54424 |
| 3.f. What are the sectoral emissions from energy use in buildings (in tCO ₂ e)? | 16090 |
| 3.g. What are the sectoral emissions from energy use in transportation (in tCO ₂ e)? | 28680 |
| 3.h. What are the sectoral emissions from methane at landfills (in tCO ₂ e)? | 1681 |
| 3.i. What are the indirect emissions from electricity used in the community (in tCO ₂ e)? | 5995 |
| 3.j. What is the energy use from electricity (in kWh)? | 342777.8 |
| 4. Is your local government or Modern Treaty Nation tracking progress on its community-wide GHG reduction target? | Yes |

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| 4.a. Please provide your reduction target(s). | Reduce community greenhouse gas emissions from 2007 levels: a) 8.5 % by 2015; b) 25 % by 2020; and c) 45 % by 2040 |
| 4.b. Please provide the target year. | 2040 |
| 4.c. Please provide the baseline year. | 2007 |
| 4.d. Please provide the link(s) to the document(s) or website if available. | Section 18.7 of the OCP: https://northsaanich.ca/wp-content/uploads/1130-Official-Community-Plan-Bylaw-2007-CONSOLIDATED-September-2021.pdf As part of the OCP review we have completed initial modeling and projections to inform the development of targets: https://www.connectnorthsaanich.ca/15055/widgets/61172/documents/45840 |
| 5. Describe up to four climate initiatives, and their outcomes, your local government or Modern Treaty Nation is currently undertaking for Buildings | <p>1. In the fall of 2018 District of North Saanich Council adopted an amendment to the District’s building bylaw which introduced the implementation of the Provincial Energy Step Code Regulations. We are currently at Level 1 for all buildings. As of January 1, 2020 we increased to Level 3 for all buildings with the exception of guest cottages, which remained at Level 2.</p> <p>2. The District is offering the rebate top-up for heat pump installation through the CleanBC Better Homes and Home Renovation Rebate Program. The program focuses on switching from fossil fuel heating systems to high-efficiency air-source heat pumps. To date the District has allocated \$32,000 over the life of the program.</p> |

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| <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. The North Saanich Active Transportation Plan was approved by North Saanich Council in May 2021. This high-level plan, developed through two rounds of public engagement, provides guidance to staff for advancing active transportation initiatives. The Active Transportation Plan will help inform the OCP review.</p> <p>2. The District has replaced three aging fleet vehicles with electric vehicles. In addition, an electric vehicle charging station has been installed for public use at the Municipal Hall. On June 20, 2022 Council supported the CRD led Regional Public Electric Vehicle Network project grant application to the Investing in Canada Infrastructure Program CleanBC Communities Fund grant program to authorize two level 2 public EV charging stations.</p> <p>3. District staff were part of the working group for the BC Transit Peninsula Local Area Plan. The purpose of the Peninsula Local Area Transit Plan is to guide future decision-making for transit on the Peninsula and Build on the Victoria Region Transit Future Plan (TFP) and the goals of the Capital Regional District's Regional Growth Strategy (RGS). Coordinate future transit and land use, aligning with the concurrent updates of the Sidney, Central Saanich, and North Saanich Official Community Plans and BC Transit's RapidBus Implementation Strategy</p> |
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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> | <ol style="list-style-type: none"> 1. North Saanich initiated a comprehensive OCP review in 2020. It describes the long-term vision and the objectives and policies that will guide decisions on land use, infrastructure investment, and mitigating and adapting to climate change. The OCP will set out new GHG reduction targets and a high level road map to achieving those targets, The plan is anticipated to be adopted in late 2023. 2. Climate Change Select Committee (CCSC) was established in December 2019 to provide recommendations to the North Saanich Council on how the District could most effectively focus action to address climate change. Actions that were immediately implemented from the 2020 CCSC report include creating a new staff position for a Senior Planner - Planning Policy and Climate Change and applying a climate lens to all staff reports to inform Council decision making. 3. In 2021 the District Zoning was amended by Bylaw 1510 amend the definition of floor area so that exterior insulation is not included in the calculations of floor area while having no direct loss on the useable and saleable square footage. This was to support better efficiencies being obtained through the use of exterior insultation which is installed outbound of the exterior extremities of the structural components which do not have the same thermal resistance as the insulation. 4. The District is preparing to embark on a Parks Master Plan starting in 2022 and slated for completion in 2023. The Parks Master Plan will guide the future planning, design, protection and maintenance of new and existing park infrastructure and amenities in both the natural and built environments. |
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| <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. The Community Wildfire Protection Plan (CWPP) was adopted by Council in October 2021. The CWPP provides a framework that can be used to review and assess areas of identified high fire risk within North Saanich. The information contained in this report will guide the improvement and/or development of emergency plans, emergency response, evacuation plans, communication and education programs (including FireSmart), bylaw development in areas of fire risk, and the management of potentially hazardous forest lands adjacent to the community.</p> <p>2. The District of North Saanich has undertaken significant work and study since 2016 regarding sea level rise. The CRD also completed flood inundation mapping project. In May 2022 Council directed staff to incorporate these studies and works into the OCP review.</p> <p>3. The District of North Saanich participates in the CRD Climate Action Service (CAS). The CAS provides local governments with support for planning and implementation of climate action plans and programs, enables and amplifies action and creates awareness through partnerships and regional collaboration, provides climate related scientific information, data and indicators.</p> <p>4. The District of North Saanich is in the process of developing a Drainage Master Plan and Tseycum Creek Stormwater Management Plan. The Drainage Master Plan will serve as a guide how we plan, operate, and maintain our drainage infrastructure in the coming years as our climate changes. The plan will identify levels of service, system deficiencies, and priorities for potential upgrades. The Tseycum Creek Integrated Stormwater Management Plan (ISMP) will help us better understand our watershed and the relationship between drainage servicing, land use, and the environment. The plan will provide recommendations for improving how we manage our stormwater through planning, infrastructure improvements, and best practices. The plans will be our road map for infrastructure planning and investment to control flooding and erosion, protect our health and environment, and work with community members towards a sustainable future.</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>A key target in the RGS is to accommodate a minimum of 95% of the region's new dwelling units within the Urban Containment Policy Area, however the District is located entirely outside of the Urban Containment Policy Area [as designated on Map 3a: Growth Management Concept Plan of the 2018 RGS], however the RCS acknowledges that Area 1 (McTavish) and Area 2 (Tsehum) are "outside of the RGS" (Map 3a: Growth Management Concept Plan of the RGS and not designated as one of the four land use designations) as these areas were still under policy development relating to affordable housing policy during the completion and adoption of the RGS in early 2018. Council identified in their strategic plan, which is also reflected in the scope of the OCP review (March 2020 Staff Report) that there will be a review</p> |

of these boundaries and area planning.

The District encourages densification in the Multi-Family Affordable Housing Residential designation within Area 1 and Area 2 which are within 400m of a public transit route, near employment centres, or sub regional node [OCP Section 6.0 Residential; Policy 6.9].

The District's policies encourage public transit as an alternative means of transportation by encouraging upgraded transportation between residential neighbourhoods, major employment centres, public facilities located in Sidney and downtown Victoria, and the development of park and ride sites at appropriate locations [OCP Section 18.3 Transportation; Policies 18.3.3].

The District provides a system of roads (arterial, collector and local) and pathways (bicycle and pedestrian) and continues to strive towards providing efficient linkages between residential areas and the Patricia Bay Highway to provide further access to the sub-regional node in Sidney, other nodes within the region and the metropolitan centre within Victoria identified within the RGS [OCP Section 18.3 Transportation; Schedule D Transportation and Cycling Network].

The commitment to the multimodal network within the District is demonstrated by the completion of 16.5km of bicycle pathways, lanes, routes, which is consistent with the bikeway network identified within the CRD Pedestrian and Cycling Masterplan (2011). The District's OCP also proposes additional recreational bike routes to further extend the transportation and cycling network [OCP Schedule D Transportation and Cycling Network].

The North Saanich Servicing Area (NSSA) includes lands currently being serviced by sewer and those that could be considered to be serviced by sewer. The NSSA includes select residential, commercial and industrial lots [OCP Figure 2: Regional Context Statement Map]. The District will not further extend sewer services outside of the NSSA, except to address pressing public health concerns, to provide fire safety, or to service agriculture, which is consistent with the RGS [OCP Section 11, Roads and Servicing; Policy

11.3].

The District has completed a Sanitary Sewer Master and Asset Renewal Plan (2017) and a Water System Master Plan (2016). These plans looked at existing conditions, modelled performance based on growth and suggested future upgrades with timelines and estimated costs. These plans are consistent with the RGS in that they consider lifecycle costs and consider the long term availability of the service.

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)?

As part of the OCP review (initiated in 2020 and currently in process) there are policies directions that are exploring:

- residential infill as a way of adding houses in established neighbourhoods to avoid residential sprawl and preserve natural areas and rural landscapes. The types of housing being considered for residential infill are small lot subdivisions, duplexes, triplexes, cottages, carriage houses and cluster housing
- a village concept for the McTavish area to add a mixed use component, provide new and enhances walking and cycling connections and incorporate townhomes and low rise apartments
- consider more broadly permitting the use of cottages in the backyard of single family lots on smaller lots
- and more broadly GHG reductions targets, energy efficient buildings, EV charging stations, sustainable transportation, and waste management.

We are in the process of exploring a series of land use scenarios that provide a range of key features including more diverse housing options in areas that are well served by transit, infrastructure, jobs, and amenities as well as the protection of the rural and agricultural lands to limit new housing growth in these areas.

As we proceed with the OCP review and develop a draft land use designation map for the OCP, we will need to determine the rationale, context, and drivers as to whether these areas (Area 1 and Area 2 that are currently outside of the RGS UCPA) should be included within the Urban Containment Policy Area (UCPA) or outside of the Urban Containment Policy Area (aka. Urban Containment Boundary). The OCP provides an opportunity to analyze this trend and to determine whether we wish to continue seeing high levels of growth outside of the UCPA and to consider a policy correction through growth management policy tools.

We will need to balance the trade-offs amongst all RGS objectives to determine the relationship. For example in relation to the targets and indicators in the RGS, if Area 1 (McTavish) were to be included within the UCPA, potentially along with some additional land base we would need to understand the relationship of the inclusion to the principles and policies set out in: 1.2 (Protect the Integrity of Rural Communities), 2.2 (Manage Regional Infrastructure Services Sustainably), 4.1 (Improve Multi-Modal Connectivity and Mobility), 5.1 (Realize the Region's Economic Potential), 6.1 (Foster a Resilient Food and Agriculture System) and 7.1 (Significantly Reduce Community-Based Greenhouse Gas Emissions) of the RGS.

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| <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>Standard methodology and dedicated funding to report on mode share and VKT; standardized data collection / database to replace outdated Stats Canada forms to report on new dwelling units at the granularity of information requested through the housing needs reports (i.e., space in the form to collect information about affordability and number of bedrooms).</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>1. The Community Wildfire Protection Plan (CWPP) was adopted by Council in October 2021. The CWPP provides a framework that can be used to review and assess areas of identified high fire risk within North Saanich. The information contained in this report will guide the improvement and/or development of emergency plans, emergency response, evacuation plans, communication and education programs (including FireSmart), bylaw development in areas of fire risk, and the management of potentially hazardous forest lands adjacent to the community.</p> <p>2. The District of North Saanich has undertaken significant work and study since 2016 regarding sea level rise. The CRD also completed flood inundation mapping project. In May 2022 Council directed staff to incorporate these studies and works into the OCP review.</p> <p>3. The District of North Saanich participates in the CRD Climate Action Service (CAS). The CAS provides local governments with support for planning and implementation of climate action plans and programs, enables and amplifies action and creates awareness through partnerships and regional collaboration, provides climate related scientific information, data and indicators.</p> <p>4. The District of North Saanich is in the process of developing a Drainage Master Plan and Tseycum Creek Stormwater Management Plan. The Drainage Master Plan will serve as a guide how we plan, operate, and maintain our drainage infrastructure in the coming years as our climate changes. The plan will identify levels of service, system deficiencies, and priorities for potential upgrades. The Tseycum Creek Integrated Stormwater Management Plan (ISMP) will help us better understand our watershed and the relationship between drainage servicing, land use, and the environment. The plan will provide recommendations for improving how we manage our stormwater through planning, infrastructure improvements, and best practices. The plans will be our road map for infrastructure planning and investment to control flooding and erosion, protect our health and environment, and work with community members towards a sustainable future.</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>No, but we recently sent a letter of support to the Capital Regional District for a grant application for Regional Heat Vulnerability Mapping to UBCM-CEMP</p> |

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| 14. What are the three most significant climate hazards faced by your jurisdiction | "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)", "Coastal flooding, storm surge events and/or other coastal hazards", "Extreme heat and heat stress", "Wildfire", "Water shortage", "Extreme cold, snow and ice", "Overland flooding" |
| 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? | "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" |
| 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. | "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? | "There are no specific measures in place at this time to ensure equitable access to, and distribution of, opportunities and benefits" |
| 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 collaborate with other communities to align with climate action plans and priorities of senior levels of government" |

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| 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. | Carly Rimell |
| 25. Please indicate your (or survey primary contact's) position with your local government or Modern Treaty Nation. | Senior Planner - Planning Policy and Climate Change |
| 26. Please provide your (or survey primary contact's) business email address. | crimell@northsaanich.ca |
| 27. Please provide your (or survey primary contact's) business phone number. | 2506555477 |



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 _____ (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) _____
on (date) _____ 20_____

Signature of Attestor:

Printed Name of Attestor:

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

Telephone Number of Attestor:

Email Address of Attestor:

**Ministry of Environment and
Climate Change Strategy**

Climate Partnerships and
Engagement Branch

Climate Action Secretariat

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