



Local Government Climate Action Program Survey Submission Report

Telkwa

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Question	Answer
1. Does your local government or Modern Treaty Nation have a climate action plan or strategy?	No, and we are not intending to undertake due to lack of financial capacity
2. For the calendar year 2021, did your local government or Modern Treaty Nation measure and publicly disclose corporate greenhouse gas (GHG) emissions?	No, and we are not intending to undertake due to lack of financial capacity
3. For calendar year 2021, did your local government or Modern Treaty Nation measure and publicly disclose a community-wide emissions inventory?	No, and we are not intending to undertake due to lack of financial capacity
4. Is your local government or Modern Treaty Nation tracking progress on its community-wide GHG reduction target?	No
4.e. If no, select all that apply:	"No, as our community emissions are not fully calculated", "No, due to a lack of resources"

<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. The Village of Telkwa (the "Village") applied for the CleanBC Communities Fund in May 2022 under the "Increased Energy Efficient of Buildings" funding stream to convert an old, municipal-owned Fire Hall building into a more energy-efficient, useable, and accessible multi-purpose community space. A preliminary GHG Assessment has been provided in May 2022 for this building, based on existing data for the current high-energy consumption and building design. The proposed energy-efficient upgrades to the building, including replacement of the existing gas heating system with mini-split heat pumps, reflect that GHG emissions will be reduced once the project is complete. CleanBC Communities Fund announcement is anticipated in 2023 and should the Village of Telkwa's application be successful, the project will commence in 2023, with an anticipated completion date in 2025.</p> <p>2. The Village has partnered with Northern Development Initiative Trust (NDIT) to introduce a "Dollars to Door" Housing Incentive Program that will enhance and support economic development by incentivizing private sector housing developments within the Village of Telkwa municipal boundaries as well as support climate initiatives. The eligibility criteria of the Program include a condition that developers must ensure that all newly created units meet or exceed the performance requirements of the BC Energy STEP Code. Further, applications submitted for the Program are evaluated and receive ratings, via the use of a point system, for undertaking a commitment to achieve BC Energy STEP Code requirements in the "Assessment Criteria" stage of the process. Applications are eligible to receive higher assessment ratings depending on the STEP Level that they are committed to achieving.</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. Active Transportation: The Village submitted an application through UBCM's Strategic Priorities Fund Capital Infrastructure Stream in June 2022 to construct a new active transportation pathway from Eddy Park in downtown Telkwa, alongside Highway 16 to the Village's northern boundary, connecting to Phase 3 of Regional District Bulkley-Nechako's (RDBN) Cycle 16 project (www.cycle16.ca), linking the communities of Telkwa to the neighbouring Town of Smithers.</p> <p>2. The Village's Active Transportation Network Plan (ATNP) will be finalized in Fall 2022, through funding received at the end of 2021 from the Ministry of Transportation and Infrastructure. The Village's ATNP will align with the Province's active transportation policies by creating a local plan that addresses community challenges and provides solutions for supporting residents in choosing active modes of travel more often.</p> <p>3. The Village of Telkwa has provided an area dedicated to free parking as an incentive to support "Park and Ride" activities and promote "mode shifting" for increased carpooling, transit usage, cycling, etc.</p> <p>4. The Village received funding from Northern Development Initiative Trust and RDBN in 2022 to undertake riverside accessibility and cycling improvements in downtown Telkwa along the riverside Eddy Park to the boat launch. The project includes installation of secure bicycle rack holders in Eddy Park, Library Park, Riverside Park and by the well-used Dockrill outdoor rink, which is used throughout the year for various sporting activities. The project will be completed by Fall 2022.</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. The Village's updated Zoning Bylaw was adopted on March 22, 2022. The Zoning Bylaw was updated to ensure the Bylaw allows the Village to efficiently and effectively manage land use, has a practical approach to land-use management, reflects current zoning practices and legislative requirements, and facilitates growth and development as envisioned and in keeping with the Official Community Plan and Integrated Community Sustainability Plan.</p> <p>2. An example of a Community initiative completed in the past by the Village of Telkwa is the revitalization of a vacant building, retrofit/conversion, and installation of the Biomass District Heating System, which converts wood waste to rural heat for heating the now Municipal Office, leased office spaces, the local elementary school, a restaurant/pub, and five single-family residential homes. More recently, the Village has continued to assess, update, and improve upon the System to help ensure higher efficiency long term.</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>Ongoing work has been done and continues to be done by the Village in terms of Climate Resilience. Given that the Village has approximately a 92% residential tax base, it has been predominantly reliant on grant funding in order to undertake these initiatives. The Village has worked independently as well as in collaboration with the neighbouring community of Smithers and the Regional District of Bulkley-Nechako (RDBN) with respect to improved planning, programming, service delivery, etc.</p> <p>1) The Village applied for, and successfully obtained, grant funding to undertake assessment and planning in areas such as: Structural Flood Mitigation, Asset Management, Evacuation Route Planning, Emergency Social Services, Fire Protection, Emergency Planning, etc. This provided valuable information to the Village and assisted Council with Strategic Planning. As a result of findings obtained and guiding documents developed, Council was better able to make informed decisions and provide direction to staff in terms of Strategic Priorities and in seeking additional funding for undertaking flagged priority projects according to evidence-based risk reduction needs specific to Telkwa and the region.</p> <p>2) The Village has partnered with the Town of Smithers with regard to Emergency Support Services and collaborated with them and the RDBN in areas such as: Emergency Management, Regional Evacuation Route Planning, Fire Protection, development/implementation of a regional Emergency Alert System, etc.</p> <p>3) Village staff has taken training/workshops in Climate/Emergency Preparedness/Management/Adaptation, Asset Management, etc. in order to be better informed, better prepared, and to provide better service delivery should an emergency arise.</p> <p>4) Emergency Preparedness materials, information and kits have also been provided on the Village website, on social media, and at in-person events to educate/assist the public with climate preparedness/strategies and reduce risks of hazards.</p>
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<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. As per the OCP:</p> <p>1. Section 5.2 Climate Change and Energy: The Village will pursue climate change adaption measures to ensure long-term decisions are congruent to climate change trends and patterns, including encouraging compact development to save on transportation and energy costs. Plan: The Village's Zoning Bylaw was updated in 2022 to ensure the Bylaw allows the Village to efficiently and effectively manage land use.</p> <p>2. Section 6 Strategic Sustainability Action Plan: Travel to the neighbouring Town of Smithers for services/transportation needs to be strategically reduced. The Action Plan includes active transportation as a measure for implementing community sustainability by promoting cycling, walking and other modes of active transportation. Plan: i) The Village has applied for funding to construct a new active transportation pathway from Eddy Park in downtown Telkwa, alongside Highway 16 to the Village's northern boundary, connecting to Phase 3 of Regional District Bulkley-Nechako's (RDBN) Cycle 16 project (www.cycle16.ca), linking the communities of Telkwa to neighbouring Town of Smithers. ii) The Village's ATNP will align with the Province's active transportation polices by creating a local plan that addresses community challenges and provides solutions for supporting residents in choosing active modes of travel more often.</p> <p>B. As per the Village's Parks Master Plan: A variety of active transportation-related improvements were identified for Telkwa Parks, including better trail connectivity, improved pedestrian and cycling infrastructure and "park and walk" facilities.</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>The Village's Zoning Bylaw was updated in 2022 to ensure the Bylaw allows the Village to efficiently and effectively manage land use. The Village undertook a comprehensive review of its Zoning Bylaw with the overall purpose of facilitating a more diverse presence of small business owners and opening opportunities for commercial, industrial, and residential uses in areas under-utilized or previously inaccessible due to infrastructure constraints. The updated 2022 Zoning Bylaw accommodates increased housing density and infill development by supporting multi-family dwelling options and allowing two accessory (or secondary) suites (an increase from the previous Zoning Bylaw) per lot to a single detached (principal) dwelling. The minimum lot size in residential zones was also reduced in an effort to boost increased density for new developments and reduce sprawl, as typically Telkwa's lot sizes are larger in size. Mixed-use options have been increased, such as permitting residential dwelling units over commercial units.</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>	<ol style="list-style-type: none"> 1. Housing data in relation to non-metropolitan areas, more specifically per community, rather than per region. 2. Traffic counters on Highway 16 from both directions (east and west) of the Village of Telkwa providing data on the number of vehicles and active transportation users. 3. A dashboard providing analytics on why people travel between communities (specifically between neighbouring communities of Smithers and Houston), enabling the communities to compare travel patterns or understand the reasons for travel (for example, accessing amenities, health, work). This data will provide a baseline to improve facilities or amenities within the community.
<p>12. From 2021 to now, has your local government or Modern Treaty Nation taken any action(s) to address climate impacts?</p>	<ol style="list-style-type: none"> 1. In 2018-19 the Village hired a consultant to conduct a Flood Mitigation study. The resulting Flood Mitigation Planning report identified mitigation works required to protect the community from flooding at the modelled river levels and indicated that both the Eddy Park and Riverside Park Dikes were not sufficient for a 200-year flood event and recommended that they be built up. Subsequently in Fall 2021, the Dike was raised by an average of 0.5 to 1 metre in most areas. This project will be completed by the end of summer 2022. 2. In furtherance of the Flood Mitigation Planning report, a Floodplain Management Bylaw was adopted at the end of 2020 in order to establish Floodplain Management procedures and regulations for structures in flood-prone areas. The 2020 Floodplain Management Bylaw continues to be utilized to inform developers, Building Inspectors, Village Council and staff of flood mitigation requirements and to help reduce flood risks. 3. The Village submitted an application through UBCM's Strategic Priorities Fund Capital Infrastructure Stream in June 2022 to construct a new active transportation pathway from Eddy Park in downtown Telkwa, alongside Highway 16 to the Village's northern boundary, connecting to Phase 3 of Regional District Bulkley-Nechako's (RDBN) Cycle 16 project (www.cycle16.ca), linking the communities of Telkwa to neighbouring Town of Smithers. The addition of an active transportation pathway between Smithers and Telkwa will reduce the number of vehicles travelling between the two communities, thereby reducing the GHG emissions and noise pollution. 4. The Village's Active Transportation Network Plan (ATNP) will be finalized in Fall 2022, through funding received at the end of 2021 from the Ministry of Transportation and Infrastructure. The Village's ATNP will align with the Province's active transportation policies by creating a local plan that addresses community challenges and provides solutions for supporting residents in choosing active modes of travel more often, thereby reducing GHG emissions and noise pollution.
<p>13. Has a climate risk and vulnerability assessment (or similar assessment) been undertaken for your local government or Modern Treaty Nation?</p>	<p>The Village of Telkwa Flood Mitigation Planning Report included a full assessment, analysis and mapping in relation to flooding risk and vulnerability.</p>

14. What are the three most significant climate hazards faced by your jurisdiction	"Overland flooding", "Wildfire", "Extreme cold, snow and ice", "Wind, rain, and other storm events", "Water shortage", "Extreme heat and heat stress", "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"
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?	"Residents living on the flood plain", "Low-income households", "Indigenous peoples", "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?	"Residents living in rural areas", "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", "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?	"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 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
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 resilient infrastructure and/or capital project(s)"
24. Please provide your (or survey primary contact's) first and last name.	Debbie Joujan
25. Please indicate your (or survey primary contact's) position with your local government or Modern Treaty Nation.	Chief Administrative Officer
26. Please provide your (or survey primary contact's) business email address.	debbiejoujan@telkwa.ca
27. Please provide your (or survey primary contact's) business phone number.	2508465212