



## Local Government Climate Action Program Survey Submission Report

### Mission

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Question	Answer
1. Does your local government or Modern Treaty Nation have a climate action plan or strategy?	Yes, it was approved by Mission City Council on July 18, 2022. It is called the City of Mission Environmental Charter 2022-2027 - A Climate and Environmental Action Plan.
2. For the calendar year 2021, did your local government or Modern Treaty Nation measure and publicly disclose corporate greenhouse gas (GHG) emissions?	No, for 2021 corporate GHG emissions were measured, but not made public due to the ending of the provincial Climate Action Rebate Incentive Program which required measurement and reporting to the Province.
3. For calendar year 2021, did your local government or Modern Treaty Nation measure and publicly disclose a community-wide emissions inventory?	Yes, we did our own community-wide emissions inventory and publicly disclosed it in the City of Mission Environmental Charter 2022-2027 – A Climate and Environmental Action Plan, which is posted on the City's website.
3.a. What year is the data from?	It was a combination of 2018 data for buildings and 2020 data for vehicles provided by SFU and projected to 2021. Solid Waste (landfill) was based on engineering consultant modelling.
3.b. How frequently is data collected (i.e., every 5 years)?	A consultant produced a 2012 CEEP and a 2022 inhouse one was produced in 2022, with the help of an SFU professor, however, we would like the Province to provide this information annually to help guide local government understanding and planning.
3.c. What methodology is used (e.g. consumption based)?	Vehicles was based on consumption, Buildings was based on number of vehicle types, and Solid Waste was based on historical waste input.

3.d. Include a link to the document (URL) or webpage where it is disclosed.	Agenda Item 6d on City website address: <a href="https://publication.escribemeetings.com/Meeting.aspx?Id=4595b7ff-a510-4689-b27d-3d70f6a38367&amp;Agenda=Agenda&amp;lang=English">https://publication.escribemeetings.com/Meeting.aspx?Id=4595b7ff-a510-4689-b27d-3d70f6a38367&amp;Agenda=Agenda&amp;lang=English</a>
3.e. What are your total community-wide emissions (in tCO <sub>2</sub> e)?	240,175
3.f. What are the sectoral emissions from energy use in buildings (in tCO <sub>2</sub> e)?	74,103
3.g. What are the sectoral emissions from energy use in transportation (in tCO <sub>2</sub> e)?	142,193
3.h. What are the sectoral emissions from methane at landfills (in tCO <sub>2</sub> e)?	23,879
3.i. What are the indirect emissions from electricity used in the community (in tCO <sub>2</sub> e)?	10,941
3.j. What is the energy use from electricity (in kWh)?	308,765,759
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).	90%

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.	Agenda Item 6d on City website address: <a href="https://publication.escibemeetings.com/Meeting.aspx?Id=4595b7ff-a510-4689-b27d-3d70f6a38367&amp;Agenda=Agenda&amp;lang=English">https://publication.escibemeetings.com/Meeting.aspx?Id=4595b7ff-a510-4689-b27d-3d70f6a38367&amp;Agenda=Agenda&amp;lang=English</a>
5. Describe up to four climate initiatives, and their outcomes, your local government or Modern Treaty Nation is currently undertaking for Buildings	<p>Environmental Charter 2022-2027 Buildings and Land Use Actions:</p> <ul style="list-style-type: none"> <li>-Action B5 - Prepare a report to advance the adoption of the BC Energy Step Code to Step Code 3 if the Province does not require before 2023</li> <li>-Action B2 - Incentivize the design of buildings to LEED or equivalent green building guidelines to maximize energy efficiency, and where possible, provide energy for the grid (net zero buildings), as per OCP</li> <li>-Action B4 - Incentivize the installation of heating and power systems that utilize renewable energy sources, such as solar panels, geothermal systems and district heating, as per OCP</li> <li>-Action B7 - Conduct a corporate energy study to determine the current energy demands of municipal buildings are assessed a minimum of every 10 years.</li> </ul>
6. Describe up to four climate initiatives, and their outcomes, your local government or Modern Treaty Nation is currently undertaking for Transportation	<p>Environmental Charter 2022-2027 Transportation Actions:</p> <ul style="list-style-type: none"> <li>-Action T5 - Develop Anti-Idling Bylaw and enhanced corporate fleet program</li> <li>-Action T4 - Promote Federal, Provincial, and Scrap-It BC Electric Vehicle rebates, including for electric cars, trucks, and bikes</li> <li>-Action T7 - Develop Green Fleet Strategy for 2023 to 2030 for City fleet vehicles to plan for all light duty vehicles to be zero emissions by 2030</li> <li>-Action T9 - Work with BC Hydro and other available partner to develop support for EV charging and power management best practices for multi-family properties in Mission</li> </ul>

7. Describe up to four climate initiatives, and their outcomes, your local government or Modern Treaty Nation is currently undertaking for Community	<p>Environmental Charter 2022-2027:</p> <ul style="list-style-type: none"> <li>-Action T1 - Accelerate Complete Street Planning through Transportation Master Planning, and OCP/neighbourhood planning to develop a network of multi-use paths, sidewalks, bike paths, and nature trails, to connect all neighbourhoods</li> <li>-Action T3 - Amend Zoning Bylaw to require all new single-family houses to be EV ready (currently limited to MF and ICI)</li> <li>-Action E3 - Develop and implement a land clearing management bylaw to prevent the uncontrolled cutting of trees on a large-scale</li> <li>-Action E10 - Develop a natural asset management plan to protect and value Mission's natural assets, particularly wetlands, watercourses, and forests</li> </ul>
8. Describe up to four climate initiatives, and their outcomes, your local government or Modern Treaty Nation is currently undertaking for Climate Resilience	<p>Environmental Charter 2022-2027</p> <ul style="list-style-type: none"> <li>-Action L12 - Conduct a climate change risk assessment to predict and prepare for future hazards and develop climate adaptation plan</li> <li>-Action N4 - Develop plan to accelerate installation of water meters in all homes currently without water meters, synchronized with related projects where appropriate to optimize value</li> <li>-Action N8 - Confirm location of shallow aquifers supplying drinking water in rural areas and implement a protection program and signage</li> <li>-Action E6 - Develop and implement a streamside protection bylaw to further protections provided by provincial riparian area regulations</li> </ul>
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>The 2017 OCP and the Environmental Charter 2022-2027 were both developed with complete and compact communities as a central theme. The OCP specifically mentions complete and compact communities as a guiding principle and states "Environmental, economic and social principles will be best achieved if Mission is a compact, complete community that meets the everyday needs of residents in an efficient manner." The subsequent local area plans developed or under development under the OCP have reflected this objective.</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>The City of Mission has an Urban Containment Boundary and has policies to encourage multi-family development over single-family development, with commercial nodes and active transportation, including density bonusing. Laneway and carriage housing are allowed in single family developments. Secondary suites are currently common in the City, with a secondary suite policy currently under development. In addition, the City's downtown urban core encourages higher density development with only one parking space required per unit, which encourages the use of transit.</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>Incentives and policies that successfully achieved more complete, compact communities, and the reduction in GHG emissions achieved.</p>

12. From 2021 to now, has your local government or Modern Treaty Nation taken any action(s) to address climate impacts?	Development planning and approvals have emphasized, and in some cases achieved, higher density developments with emphasis on complete communities with greater protection of green spaces. In addition, the first phase of the 7th Avenue Greenway Project, was approved in December 2021.
13. Has a climate risk and vulnerability assessment (or similar assessment) been undertaken for your local government or Modern Treaty Nation?	No, but the City is intending to undertake one in the next two years
14. What are the three most significant climate hazards faced by your jurisdiction	Wildfires, extreme heat and heat stress, water shortage, erosion/landslides
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?	Rural residents
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, 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?	Rural residents
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.	<ul style="list-style-type: none"> <li>• Increased funding</li> <li>• Increased staff knowledge, expertise and data specific to climate adaptation</li> <li>• Increased staff capacity</li> </ul>

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?	<ul style="list-style-type: none"> <li>• Yes, the City's plans align climate action plan(s) and priorities with the federal 2030 Emissions Reduction Plan</li> <li>• Yes, we align climate action plan(s) and priorities with the provincial CleanBC Roadmap to 2030,</li> <li>• Yes, we assess our plans and priorities for multilevel alignment</li> </ul>
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.	The City has committed past staff time and funding, and will commit future staff time and funding, under the City's Environmental Charter 2022-2027 for GHG reduction activities including energy studies and/or assessments, climate or energy plans, policies and/or strategy development, and climate resilient infrastructure and/or capital projects.
24. Please provide your (or survey primary contact's) first and last name.	Barry Azevedo
25. Please indicate your (or survey primary contact's) position with your local government or Modern Treaty Nation.	Manager of Environmental Services
26. Please provide your (or survey primary contact's) business email address.	<a href="mailto:bazevedo@mission.ca">bazevedo@mission.ca</a>

27. Please provide your (or survey primary contact's) business phone number.

604-820-3737