



Local Government Climate Action Program Survey Submission Report

Delta

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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.	A Climate Change Initiative was completed in 2007. A Community Energy and Emissions Plan (CEEP) was completed in 2013 and is currently being updated. Delta also has a 2019 Flood Management Strategy.
1.b. Include a link to the document (URL) or webpage.	https://delta.civicweb.net/filepro/documents/41048/?preview=41092 https://delta.civicweb.net/filepro/documents/96106/?preview=96213 https://delta.civicweb.net/filepro/documents/190127/?preview=190140
2. For the calendar year 2021, did your local government or Modern Treaty Nation measure and publicly disclose corporate greenhouse gas (GHG) emissions?	Yes
2.a. Include a link to the document (URL) or webpage where it is disclosed.	https://delta.civicweb.net/document/212509/
2.b. Report emissions based on Services Delivered Directly (in tCO ₂ e).	5960

2.c. Report emissions based on Contracted Services (in tCO2e).	1936
2.d. Report emissions based on Total Corporate Emissions (in tCO2e).	7896
3. For calendar year 2021, did your local government or Modern Treaty Nation measure and publicly disclose a community-wide emissions inventory?	No, community GHG emissions are not measured, but an inventory is in development and will be complete in the next year
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).	45%
4.b. Please provide the target year.	2030
4.c. Please provide the baseline year.	2007
4.d. Please provide the link(s) to the document(s) or website if available.	https://delta.civicweb.net/filepro/documents/37999/?preview=39377

<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>BC Energy Step Code</p> <ul style="list-style-type: none"> - Council endorsed the BC Energy Step Code implementation plan at the November 22, 2021 Regular Council Meeting - Delta submitted initial notification to consult to the Energy Step Code council - A Let's Talk Delta project webpage was developed to raise awareness and included a survey to engage and understand the needs of the Builders and Development community - An Energy Step Code Webinar for the Building community is scheduled for late June <p>Energy Efficient/Demand Side Management Programs</p> <ul style="list-style-type: none"> - In May 2021, Delta hired a Community Energy Specialist who is focused on increasing energy efficiency in municipal buildings - Energy Star Portfolio Manager is being used to track energy consumption in municipal buildings - A Gas Absorption Heat Pump is being installed at one of Delta's Fire Halls and will result in a 30% reduction in energy consumption
<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>Electric Vehicle Strategy</p> <ul style="list-style-type: none"> - The Electric Vehicle Strategy was adopted by Council in July 2020 - Delta has installed 30 Level 2 public charging stations and recently completed an assessment to understand gaps and future needs for public EV charging infrastructure <p>Corporate Vehicle Fleet Electrification</p> <ul style="list-style-type: none"> - A fleet electrification assessment has been completed - A facility assessment is underway to understand the electrical capacity needed to accommodate EV charging infrastructure to support fleet electrification <p>Active Transportation</p> <ul style="list-style-type: none"> - A Cycling Master Plan for Delta is in development - Annual Neighbourhood Revitalization and Improvement Program includes sidewalk and bike lane upgrades to make streets more walkable and safe

<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>Community Energy and Emissions Plan (CEEP) Update</p> <ul style="list-style-type: none"> - An update to Delta’s CEEP began in 2021 - The update will identify additional actions Delta can take towards supporting greenhouse gas emission (GHG) reductions at the community level and includes an implementation framework and strategies to engage the community in dialogue and action to reduce GHGs - The updated community GHG emission inventory will support regular reporting on Delta’s progress toward meeting our Climate Action goals, supports BC Roadmap to 2030 and considers low carbon resilience measures - A Let’s Talk Delta project webpage was developed to support stakeholder and public engagement - Phase 1 engagement focused on understanding climate change, vision and current modeling and included two workshops and a public engagement survey. 351 responses were received through the survey. - Phase 2 focuses on the “Big Moves” or actions to achieve our climate action goals. A workshop has been completed and a public engagement survey will be initiated in the summer months. <p>Community Engagement – Empower Me Program</p> <ul style="list-style-type: none"> - The Empower Me program works to help immigrants understand their energy use and related municipal programs and is delivered in several languages - Eight workshops were delivered in 2021 and Empower Me has been contracted to provide workshops in 2022 <p>Plastic Bags and Single-use Items Bylaw</p> <ul style="list-style-type: none"> - The Plastic Bags and Single-use Items Bylaw was finally adopted by Delta Council on December 6, 2021 and came into effect on June 6, 2022. - The Bylaw bans single-use plastic checkout bags and polystyrene foam takeout containers - A comprehensive communications campaign for the Bylaw included direct letters to affected businesses, a poster and toolkit for businesses, social media advertisements, and a Let’s Talk Delta webpage.
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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>Interface Wildfire Fuel Management - Wildfire fuel management prescriptions have been completed for eight wildfire interface areas within Burns Bog and Watershed Park, as recommended in the City of Delta’s Community Wildfire Protection Plan - The first fuel management treatment project (i.e. vegetation removal) is anticipated to take place in Watershed Park during the summer/fall of 2022.</p> <p>Sea Level Rise Adaptation - A Ladner Waterfront Flood Protection Strategy is being completed to prepare for future flood protection</p> <p>Agricultural Adaptation - Delta continues to work with the Delta Farmers’ Institute and BC Ministry of Agriculture, Food and Fisheries’ Climate & Agriculture Initiative BC (CAI) to increase the agriculture sectors resilience to climate change.</p> <p>Urban Forest Strategy Implementation - Delta’s Urban Forest Strategy was adopted by Delta Council in 2020 - In December 2021, Delta Council gave final reading to an extensive update of the Tree Protection and Regulation Bylaw, which in part was aimed at retaining more large diameter trees to protect the urban forest canopy</p> <p>Social Action Plan – development in progress - Includes objectives to strengthen community resilience and emergency preparedness through the Safe and Resilient Communities Goal.</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>Developing complete communities is one of the 5 overarching goals in Metro Vancouver’s Regional Growth Strategy, and is reflected in the Regional Context Statement and other policies in Delta’s Official Community Plan (OCP). The OCP has a range of policies that encourage commercial and higher density residential uses in mixed use nodes, and urban and local centres, and supports sustainable transportation options through efficient local and regional transit systems, pedestrian friendly steetscapes and improved bicycle networks.</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>Delta’s three communities (Ladner, North Delta, Tsawwassen) are largely bound by the Agricultural Land Reserve, borders with adjacent communities, and major water features (e.g. Fraser River, Boundary Bay, Salish Sea). As a result, the vast majority of Delta’s new development is infill development. Within this context, Delta has recently taken a number of steps to increase the level of community completeness and compactness. In 2021, Council adopted amendments to Delta’s Official Community Plan to establish polices to encourage the revitalization and redevelopment of Ladner Village. Further, in 2021, Delta Council approved a Housing Action Plan which includes a range of actions to provide priority housing types within Delta’s three communities. Prior to that, the Mayor’s Housing Task Force for Scott Road developed recommendations for the transformation of the Scott Road Corridor, which will be served by TransLink’s newest RapidBus line in the coming years. Finally, in 2021, a new Multi-Unit Residential/Mixed-Use Sustainability Assessment and a Townhouse Sustainability Assessment tool was implemented to evaluate a development proposal’s sustainability. The Sustainability Assessment measures are a range of best practice sustainable development features and reflect the sustainability and community goals outlined within the City’s Official Community Plan.</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>	<p>Growth projections are a key piece of data that assist in decision-making related to the creation of complete, compact communities; however, Metro Vancouver currently plays a role in growth projections at a regional level. Collation of the following data sets would be helpful for local decision making:</p> <ul style="list-style-type: none"> • Transit usage and frequency • Bike network usage and growth • Parking utilization • Commuting trends • Land use indicators such as walkability scores, measures of density, land use diversity, street network connectivity, proximity to major transit network, etc. • Demographic trends • Immigration from emigration (at the micro inter-regional level – between cities, neighbourhoods) • Finer grain and current neighbourhood-level housing market data – vacancies, rates (for rentals) and prices, trends, dwelling sizes, average days on market (for sales) • Population growth and housing projections • Actual or average costs/value of new construction • Homelessness rates, shelter availability • Food security and access to food essentials and healthier food options • Proximity to essential services (walk-in doctor’s clinic/hospital, pharmacy, civic and care facilities, parks, daycare, etc.) • School enrolment – from catchment vs outside catchment, afterschool programming

12. From 2021 to now, has your local government or Modern Treaty Nation taken any action(s) to address climate impacts?	Yes, actions to address climate impacts include: wildfire fuel management, sea level rise adaptation, a heat response plan and a Social Action Plan which includes objectives to strengthen community resilience and emergency preparedness.
13. Has a climate risk and vulnerability assessment (or similar assessment) been undertaken for your local government or Modern Treaty Nation?	Yes
13.a. Please provide a link to the document (URL).	A climate risk assessment of Delta's flood protection system using Engineers Canada's Public Infrastructure Engineering Vulnerability Committee's (PIEVC) vulnerability assessment protocol was completed in 2018. https://delta.civicweb.net/document/190140/
14. What are the three most significant climate hazards faced by your jurisdiction	"Coastal flooding, storm surge events and/or other coastal hazards", "Extreme heat and heat stress", "Wildfire", "Overland flooding", "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)", "Wind, rain, and other storm events", "Water shortage", "Extreme cold, snow and ice"
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?	"Indigenous peoples", "People experiencing homelessness"
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", "Newcomers to Canada (immigrants and refugees)", "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", "Newcomers to Canada (immigrants and refugees)"

<p>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.</p>	<p>"Increased funding", "More partnerships and collaboration across levels of government", "Increased staff capacity"</p>
<p>20. How does your local government or Modern Treaty Nation ensure equitable access to, and distribution of, climate action opportunities and benefits?</p>	<p>"By engaging with equity seeking groups/frontline communities most impacted by climate change"</p>
<p>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?</p>	<p>"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", "Yes, we collaborate with other communities to align with climate action plans and priorities of senior levels of government"</p>
<p>22. Is your local government a signatory to the B.C. Climate Action Charter or a Modern Treaty Nation?</p>	<p>Yes</p>
<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>"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>Mike Brotherston</p>
<p>25. Please indicate your (or survey primary contact's) position with your local government or Modern Treaty Nation.</p>	<p>Manager of Climate Action and Environment</p>

26. Please provide your (or survey primary contact's) business email address.	mbrotherston@delta.ca
27. Please provide your (or survey primary contact's) business phone number.	6049463281



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 Delta (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 Delta
on (date) July 18, 20 22

Signature of Attestor:

Printed Name of Attestor:

Melanie Kerr

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

Director of Finance

Telephone Number of Attestor:

604-946-3232

Email Address of Attestor:

mkerr@delta.ca

**Ministry of Environment and
Climate Change Strategy**

Climate Partnerships and
Engagement Branch
Climate Action Secretariat

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