



Local Government Climate Action Program Survey Submission Report

Coquitlam

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Question	Answer
1. Does your local government or Modern Treaty Nation have a climate action plan or strategy?	Yes (Community GHG Reduction Strategy, 2012), and we are currently developing a new Climate Action Plan that is scheduled to be complete next year.
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://www.coquitlam.ca/387/Climate-Action
2.b. Report emissions based on Services Delivered Directly (in tCO ₂ e).	4062
2.c. Report emissions based on Contracted Services (in tCO ₂ e).	1438
2.d. Report emissions based on Total Corporate Emissions (in tCO ₂ e).	5500

3. For calendar year 2021, did your local government or Modern Treaty Nation measure and publicly disclose a community-wide emissions inventory?	No, as the 2021 data from the provincial CEEI has not yet been released.
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).	2030: 45% reduction in GHGs & 2050: Carbon Neutral
4.b. Please provide the target year.	2030: 45% reduction in GHGs & 2050: Carbon Neutral
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.coquitlam.ca/DocumentCenter/View/5716/Environmental-Sustainability-Plan-PDF
5. Describe up to four climate initiatives, and their outcomes, your local government or Modern Treaty Nation is currently undertaking for Buildings	<p>1. BC Energy Step Code adoption ahead of provincial timeline, multi-stage process initiated in September 2021. Outcome: Supports greater energy efficiency in new construction for both civic facilities and community buildings.</p> <p>2. Mass Timber Construction - interim approach and policy work in progress Outcome: Tall encapsulated mass timber construction (EMTC) buildings create substantially lower greenhouse gas emissions than concrete structures of similar sizes and significant reductions in construction site waste and overall construction times. Though Coquitlam was added to the Provincial list of early adopters to allow EMTC in the city in 2020, additional supports such as an interim mass timber policy will to provide a path forward for developers who want to build EMTC buildings in Coquitlam in the short term, as staff work toward the development of a final framework.</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>1. Citywide Parking Review (Phases 1-2 complete; Phase 3 underway) Outcome: Phases 1 and 2 resulted in a reduction in parking rates for multifamily residential and commercial uses within transit-oriented development (TOD) areas; Phase 3 is exploring curbside management best practices</p> <p>2. Transportation Demand Management (TDM) Guidelines for New Developments (https://www.coquitlam.ca/DocumentCenter/View/5281/Transportation-Demand-Management-Guidelines-for-New-Development-PDF?bidId=) Outcome: Formalization of developer obligations to support programs that encourage use of alternative modes of transportation in new developments including: transit passes, carshare memberships, etc.</p> <p>3. E-Mobility Work Plan (2-year partnership with BC Hydro began in June 2021) Outcome: Will culminate in E-Mobility Strategy that will be integrated with Strategic Transportation Plan. Work includes advancing: public EV charging, addressing equity of private EV charging, e-micromobility, raising awareness and increasing accessibility of EV knowledge to Coquitlam residents.</p> <p>4. Strategic Transportation Plan Update (18-24 month process that launched in June 2022) Outcome: Definition of new mode share, vehicle kilometres travelled (VKT) and greenhouse gas emissions reduction targets to align with Environment Sustainability Plan (ESP). Updated prioritization of projects/programs/initiatives to meet the new targets.</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>	<p>1. Environmental Sustainability Plan Outcome: The City approved its first Environmental Sustainability Plan (ESP) in 2022, which incorporates the City’s environmental goals and objectives and actions into one overarching strategy that provides a clear and flexible framework to help guide future decisions, ensuring the long-term resiliency and sustainability of our community. Goals, strategies and actions are organized into the five themes of Climate Action, Built Environment, Waste Management, Water Management, and Natural Areas, Wildlife and Habitat. The ESP also includes a plan to implement the goals, strategies and actions and monitor our progress both corporately and in the community. Implementation of the ESP is currently underway.</p> <p>2. Enhanced Water Conservation Strategy Outcome: Outcome(s): With a comprehensive water conservation strategy already in place, Coquitlam outlined further options to enhance this work in 2021, as well as a key target to ensure there is no net increase in overall summer time consumption over the next 10 years, while still enabling robust population growth. This target highlights the regional ability to reduce water demand and thus delay the need for planned major regional water supply projects. Options and opportunities included in the Enhanced Strategy are:</p> <ul style="list-style-type: none"> - Assessing feasibility of City irrigation via groundwater to support irrigation through groundwater instead of potable water - Additional leak detection through the purchase of additional leak detectors, and target inspection of 50% of the City’s water system per year, focusing first on the oldest neighbourhoods with a higher likelihood of leaks - Water Audit of Civic facilities to identify and improve any water conservation opportunities. The results of the water audit support the prioritization of water-related upgrades in 2022 and beyond. - Additional Water conservation education for residents and ICI sectors - Review of non-potable and greywater reuse systems to be investigated to reduce water demand, especially considering when larger multi-family and commercial developments. - Reinstating the toilet rebate program on a one-year trial bases - Investigating seasonal water rates for ICI customers - Investigating residential water metering
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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. Climate Adaptation Strategic Plan adoption (2020) and first year of implementation (2021). The CASP details 7 climate risk events facing Coquitlam and 50 adaptive actions to build resilience. Outcome: Supports the City in better understanding and coping with climate change and extreme weather impacts on infrastructure, services and the community over the long term.</p> <p>2. Upgrades to multiple civic facilities' air filtration systems and/or addition of HVAC (2020 - 2021) Outcome: Addresses extreme heat and adverse air quality events by allowing facilities to function as both cooling centres and cleaner air spaces.</p> <p>3. Community Wildfire Resilience Plan updated (2021) Outcome: Provides the City with an updated action plan to mitigate the wildfire risk to the community. The plan guides the improvement and/or development of emergency and evacuation plans, emergency response, communication and education programs, bylaw development in areas of risk, and the management of potentially hazardous forests within the eligible Wildland Urban Interface.</p> <p>4. Hazard Risk and Vulnerability Assessment currently in progress (2022) Outcome: The HRVA will support emergency and preparedness program planning and prioritization across the City, and will include an assessment of climate-related HRVs to better prepare for and respond to these events.</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>Coquitlam's Citywide Official Community Plan (CWOCP) is divided into five parts and primarily organized into chapters that reflect the six overarching community goals that form Coquitlam's framework for managing change. Chapters addressing area and neighbourhood plans as well as focusing on urban design and development permit areas collectively allow the CWOCP to ultimately guide future land use and servicing decisions in ways that sustain its citizens' values.</p> <p>In particular, Chapter 2. A Compact, Complete Community by Nature, speaks to the City of Coquitlam's commitment to creating complete, compact communities. Two different scales of completeness in the City's urban structure organized around specific facilities or centres contribute to the evolving network of complete communities. These consist of:</p> <ul style="list-style-type: none"> - The Regional City Centre, functioning as Coquitlam's downtown, as a regional city centre serving nearby cities and as a high-density residential neighbourhood with services, retailing and employment; and - Community-serving retail clusters surrounded by a mix of residential densities. <p>This dynamic pattern of centres has been achieved and continues to evolve and become more complex.</p> <p>The CWOCP promotes three important aspects of completeness throughout Coquitlam and, where appropriate, within the individual communities themselves. These include:</p> <ul style="list-style-type: none"> - Everyday needs primarily met through the marketplace for serving the needs of the local population, which will vary depending on the community's scale or role. (These consist of retail and entertainment facilities, privately provided services, opportunities for employment, and housing for a range of life-stages); - The availability of responsive government services, both human (schools, health, recreational and cultural services) and the utilities infrastructure, as appropriate to community scale; and - Effective linkages, including transportation choices, to enable residents and workers of one neighbourhood to easily access facilities and services elsewhere.
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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)?

1. Southwest Housing Review (SWHR) project

The SWHR is a multi-year planning effort to support the provision of more diverse housing options in Southwest Coquitlam.

On May 30, 2022, Council approved the amendments to the Citywide Official Community Plan (CWOCP) and Zoning Bylaw, for three neighbourhood pockets in the Burquitlam-Lougheed neighbourhood. The land use concepts for the neighbourhood pockets evolved over the last two years, through technical analysis, Council feedback, community consultation and input from an inter-departmental City staff review team. The amendments update the Burquitlam Lougheed Neighbourhood Plan (BLNP), providing new opportunities for multi-family housing that are compatible with the surrounding land uses, and in line with the broader vision for the BLNP of creating compact, complete and transit-oriented communities.

2. SWHR - Corridor Development Strategy in progress

The Corridor Development Strategy (CDS) will establish an overall vision for land uses along select key arterial streets within Southwest Coquitlam and provide guidance for future development along these corridors.

The CDS will identify the supportable types of land uses and development forms in order to guide future residential and commercial development applications. The CDS will take into consideration land use, housing types, form of development, land-use transitions to single family areas, urban design, public space, amenities, transportation improvements and utility servicing. The CDS will also review density bonus provisions along corridors to secure community amenities, rental housing, or cash-in-lieu for additional density.

3. City Centre Area Plan (CCAP) updated

On Monday, November 16, 2020, Coquitlam Council approved the updated City Centre Area Plan (CCAP) as well as the related amendments to the Citywide Official Community Plan (CWOCP) and Zoning Bylaw, following an extensive consultation process that closely involved the general public, Advisory Committees and Boards, external partners and stakeholders.

The updated CCAP (“the Plan”) replaces the previous Area Plan for City Centre (adopted in 2008), and renews the vision for City Centre as the downtown and ‘heart’ of Coquitlam and northeast region by building on the concept of transit-oriented development, recognizing the importance of economic and cultural vibrancy, and affirming the area’s history as a family-friendly community. The Plan also further implements the vision and policies of the 2012 Transit-Oriented Development Strategy (TDS).

The Plan will guide the physical, social, environmental and economic development and evolution of City Centre in order to ensure a sustainable and measured approach to growth for the next 25 years.

<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"> - Population and employment density to support discussions with TransLink re: bus service improvement/expansion in Coquitlam - Timely and more robust Community Energy and Emissions Inventory (CEEI) data to support community GHG reduction - Demographic and spatial data for vulnerable/underserved/ populations most at risk of climate impacts in Coquitlam
<p>12. From 2021 to now, has your local government or Modern Treaty Nation taken any action(s) to address climate impacts?</p>	<p>Implementation of the Climate Adaptation Strategic Plan through the creation of a staff-driven implementation team. 10 priority initiatives were advanced to address 7 climate risks identified for Coquitlam in 2021. In 2022, 8 priority initiatives have been identified and are currently being advanced. Additionally, 5 key performance indicators are currently under development to support monitoring and reporting on the City's adaptation and resilience progress.</p> <p>Beyond the initiatives already mentioned in question #8, climate adaptation work the City has advanced includes:</p> <ul style="list-style-type: none"> - The Enhanced Water Conservation Strategy approved by Council in May 2021 with implementation currently in progress - Integrated Watershed Management Plans (IWMPs) in place for 12 Coquitlam watersheds, including the Maple Creek IWMP completed in 2021, in collaboration with Port Coquitlam. As part of those plans and through the development review process, rainfall runoff and water management measures continue to be implemented. - Continued review of Adaptive Management Framework (AMF) outputs to determine opportunities to improve base flow in Coquitlam creeks. Flow Link real-time water quality monitoring technology application in Stoney Creek and Hoy Creek is also being piloted. - Continuing to work with Fraser Basin Council on the Lower Mainland Flood Management Strategy to develop a flood protection strategy across municipalities, and develop plans and capital works to mitigate flooding and sea level rise impacts in Coquitlam. - Revised storm sewer design criteria includes allowance for climate change factors with new storm distribution and precipitation Intensity- Duration-Frequency (IDF) curves modelled and included in the Subdivision and Development Servicing Bylaw approved by Council in September 2021. The Stormwater Design Manual has been updated and rolled out to industry. - Ongoing work to review and update or expand, as needed, the policy on interface wildfire risk management in development permit areas. The Community Wildfire Resiliency Plan supports this work through the Hazel-Coy Neighbourhood Plan, future neighbourhood plans, and existing policies applicable to Interface Wildfire Risk Management Development Permit Areas.
<p>13. Has a climate risk and vulnerability assessment (or similar assessment) been undertaken for your local government or Modern Treaty Nation?</p>	<p>Yes</p>

13.a. Please provide a link to the document (URL).	https://www.coquitlam.ca/DocumentCenter/View/3209
14. What are the three most significant climate hazards faced by your jurisdiction	"Wind, rain, and other storm events", "Extreme heat and heat stress", "Wildfire", "Overland flooding", "Coastal flooding, storm surge events and/or other coastal hazards", "Extreme cold, snow and ice", "Water shortage", "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)"
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?	"The climate hazard risk assessment completed to date hasn't examined impacts to the demographics/groups provided in the survey"
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?	"The climate hazard risk assessment completed to date hasn't examined impacts to the demographics/groups provided in the survey"
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?	"The climate hazard risk assessment completed to date hasn't examined impacts to the demographics/groups provided in the survey"
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 knowledge, expertise and data specific to climate adaptation", "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?	"City is currently developing an equity, diversity and inclusion framework that will support equitable climate action.", "By engaging with 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?	"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"
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.	"Climate action education and awareness resources and programs", "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.	Erin Desautels
25. Please indicate your (or survey primary contact's) position with your local government or Modern Treaty Nation.	Environmental Sustainability Manager
26. Please provide your (or survey primary contact's) business email address.	edesautels@coquitlam.ca
27. Please provide your (or survey primary contact's) business phone number.	6049273564



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**

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