



Climate Action Revenue Incentive (CARIP) Public Report for 2018

Local Government:
City Of Pitt Meadows



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The City Of Pitt Meadows has completed the 2018 Climate Action Revenue Incentive Program (CARIP) Public Report as required by the Province of BC. The CARIP report summarizes actions taken in 2018 and proposed for 2019 to reduce corporate and community-wide energy consumption and greenhouse gas emissions (GHG) and reports on progress towards achieving carbon neutrality.

2018 BROAD PLANNING ACTIONS

Broad Planning Actions

Broad Planning refers to high level planning that sets the stage for GHG emissions reductions, including plans such as Official Community Plans, Integrated Community Sustainability Plans, Climate Action Plans or Community Energy Emissions Plans. Land use planning that focuses on Smart Growth principles (compact, complete, connected, and centred) plays an especially important role in energy and GHG reduction.

Q 6 + Q 7 Community-Wide Broad Planning Actions Taken in 2018 + Additional Actions	
	Official Community Plan review
	Advisory Design Panel Terms of Reference
	Continued increase in bike lanes and trails
	Infill Housing Policy Review continuation and implementation
Q 8 Community-Wide Broad Planning Actions Proposed for 2019	
	Official Community Plan Review
	Continued increase in bike lanes and trails through amenity lands
	Environmental Inventory and Management Strategy and implementation
	Adopt A Program - Continue the community stewardship program in partnership with the Alouette River Management Society (ARMS), which involves collecting litter on a regular basis throughout the community

Q 9 + Q 10 Corporate Broad Planning Actions Taken in 2018 + Additional Actions	
	Implement Zero Waste Campaign
	Continued Energy Conservation Initiatives
	Continued consideration for energy savings initiatives with expanding City services (building renovations, purchases, etc.) and continued zero/minimize waste initiatives to reduce carbon footprint with waste management, organics diversion and recycling
	Review City's procurement process and integrate new language in Request for Proposals to support reduced GHG emissions and support more robust sustainability and environmental protection /

	enhancement initiatives
	Implementation of new Cartegraph Asset Management System (better tracking to monitor energy efficiency & opportunities)
Q 11 Corporate Broad Planning Actions Proposed for 2019	
	Green Leadership Team – implements environmentally conscious actions at a cooperate level
	Zero Waste Campaign - Campaign lead by the Green Leadership Team to promote education, outreach, and action of environmental sustainability initiatives.
	Promote Bike to Work Week
	New Bylaw development – assist in the process of establishing new City Bylaws, and particularly those with environmental amendments.
	Continued consideration for energy savings initiatives with expanding City services (building renovations, purchases, etc.) and continued zero/minimize waste initiatives to reduce carbon footprint with waste management, organics diversion and recycling

Broad Planning	
Q 12 What is (are) your current GHG reduction target(s)?	32% target reduction (of 441 tCO₂e) from 2008 emissions of 1,110 tCO₂e; current reduction at 111 tCO₂e for 2018
Q 13 Are you familiar with your local government's community energy and emissions inventory (e.g. CEEI or another inventory)?	<u>Yes/No</u>
Q 14 What plans, policies or guidelines govern the implementation of climate mitigation in your community?	<u>Yes/No</u>
<ul style="list-style-type: none"> • Community Energy and Emissions Plan • Integrated Community Sustainability Plan • Community- Wide Climate Action Plan • Official Community Plan • Regional Growth Strategy • Do not have a plan • Other: 	<u>Yes/No</u> <u>Yes/No</u> <u>Yes/No</u> <u>Yes/No</u> <u>Yes/No</u> n/a n/a
Q 15 Does your local government have a corporate GHG reduction plan?	<u>Yes/No</u>

2018 BUILDING AND LIGHTING ACTIONS

Building and Lighting Actions

Low-carbon buildings use the minimum amount of energy needed to provide comfort and safety for their inhabitants and tap into renewable energy sources for heating, cooling and power. These buildings can save money, especially when calculated over the long term. This category also includes reductions realized from energy efficient street lights and lights in parks or other public spaces.

Q 16 + Q 17 Community-Wide Building and Lighting Actions Taken in 2018 + Additional Actions	
	Launched Zero Waste Campaign
	Continue to explore options to support energy saving initiatives
	Continued conversion of streetlights to LED bulbs where possible
	Continued evaluation of greenhouse gas emission reduction projects
Q 18 Community-Wide Building and Lighting Actions Proposed for 2019	
	Continue exploring options to support energy saving initiatives
	Continued conversion of streetlights to LED bulbs where possible
	Continued evaluation of greenhouse gas emission reduction projects
Q 19 + Q 20 Corporate Building and Lighting Actions Taken in 2018 + Additional Actions	
	Continue exploring options to support energy saving initiatives
	Continue conversion of lights to LED bulbs
	Launch Zero Waste Campaign
	Continued Facilities Condition Assessment
	Prepare Facilities Strategic Plan
Q 21 Corporate Building and Lighting Actions Proposed for 2019	
	Looking for ways to build an energy efficient new Fire Hall building and with lower GHG emissions
	Implement the BC Energy Step Code

	Continue conversion of lights to LED bulbs
	Implement Facilities Strategic Plan

Building and Lighting	
The Province has committed to taking incremental steps to increase energy-efficiency requirements in the BC Building Code to make buildings net-zero energy ready by 2032. The BC Energy Step Code--a part of the BC Building Code--supports that effort	
Q 22 Is your local government aware of the BC Energy Step Code?	<u>Yes/No</u>
Q 23 Is your local government implementing the BC Energy Step Code?	<u>Yes/No</u>

P5 2018 ENERGY GENERATION ACTIONS

Energy Generation Actions

A transition to renewable or low-emission energy sources for heating, cooling and power supports large, long-term GHG emissions reductions. Renewable energy including waste heat recovery (e.g. from biogas and biomass), geo-exchange, micro hydroelectric, solar thermal and solar photovoltaic, heat pumps, tidal, wave, and wind energy can be implemented at different scales, e.g. in individual homes, or integrated across neighbourhoods through district energy or co-generation systems.

Q 24 + Q 25 Community-Wide Energy Generation Actions Taken in 2018 + Additional Actions	
	Launch Zero Waste Campaign
	Continue exploring options to support energy saving initiatives
	Continue conversion of streetlights to LED bulbs where possible
	Continued Evaluation of Greenhouse Gas Emission Reduction Projects
Q 26 Community-Wide Energy Generation Actions Proposed for 2019	
	Implement the BC Energy Step Code
	Continue exploring options to support energy saving initiatives
	Continue conversion of streetlights to LED bulbs where possible

	Continued Evaluation of Greenhouse Gas Emission Reduction Projects using the City's business planning project
	Support the Green Leadership Teams Initiatives

Q 27 + Q 28 Corporate Energy Generation Actions Taken in 2018 + Additional Actions	
	Continued Evaluation of Greenhouse Gas Emission Reduction Projects
	Continue conversion of lights to LED bulbs & exploring options to support energy saving initiatives
	Launch Zero Waste Campaign
	Continued Facilities Condition Assessment
	Prepare Facilities Strategic Plan
Q 29 Corporate Energy Generation Actions Proposed for 2019	
	Looking for ways to build an energy efficient new Fire Hall building and lower GHG emissions
	Continued Evaluation of Greenhouse Gas Emission Reduction Projects
	Continue conversion of lights to LED bulbs & exploring options to support energy saving initiatives - 25% complete of LED conversion
	Continued Facilities Condition Assessment
	Implement Facilities Strategic Plan

Energy Generation	
Q 30 Is your local government developing, or constructing a <ul style="list-style-type: none"> • district energy system • renewable energy system • none of the above 	Yes/ <u>No</u> Yes/ <u>No</u>
Q 31 Is your local government operating a <ul style="list-style-type: none"> • district energy system • renewable energy system • none of the above 	Yes/ <u>No</u> <u>Yes</u> / <u>No</u>
Q 32 Is your local government connected to a district energy system that is operated by another energy provider?	Yes/ <u>No</u>
Q 33 Are you familiar with the 2018 List of Funding Opportunities for Clean Energy Projects Led by First Nations and Local Governments?	<u>Yes</u> / <u>No</u>

2018 GREENSPACE/NATURAL RESOURCE PROTECTION ACTIONS

Greenspace Actions

Greenspace/Natural Resource Protection refers to the creation of parks and greenways, boulevards, community forests, urban agriculture, riparian areas, gardens, recreation/school sites, and other green spaces, such as remediated brownfield/contaminated sites as well as the protection of wetlands, waterways and other naturally occurring features.

Q 34 + Q 36 Community-Wide Greenspace Actions Taken in 2018 + Additional Actions (Q 35 below Q 41)	
	Environmental Inventory and Management Strategy
	Parks and Recreation Master Plan
	Continued Official Community Plan review
	Adopt a Trail Programs
	Interim Riparian Protection and Management Policy
Q 37 Community-Wide Greenspace Actions Proposed for 2019	
	The development of a Riparian Area Regulation Development Permit Area
	The development of a Tree Protection Bylaw
	Donated amenity lands – staff is working with a developer to expand the trail networks to support non-vehicle modes of transportation
	Artists in our Parks Program - Local artists are able to utilize select parks offering artistic events and exhibits, to create and sell their works.
	Continued Official Community Plan review
Q 38 + Q 39 Corporate Greenspace Actions Taken in 2018 + Additional Actions	
	Environmental Inventory and Management Strategy, Invasive Species Management Plan
	Parks and Recreation Master Plan
	Continued Official Community Plan review

	Shoreline Clean-up & Fall Riparian Planting at Katzie Slough
	Interim Riparian Protection and Management Policy
Q 40 Corporate Greenspace Actions Proposed for 2019	
	The development of a Parks & Recreation Master Plan
	Horticulture Strategic Plan - A plan for all civic spaces this action is built into 2019 key initiatives
	Tree Replacement Program - A review of the City tree replacement policy to establish a long term park and street tree program for trees reaching end of life and causing infrastructure damage
	Invasive Species Implementation Program - Completion of Invasive Species Management Plan and first implementation phase of the action items identified in the Plan focused on a city-wide approach on the removal of invasive species.

Greenspace	
Q 41 Does your local government have urban forest policies, plans or programs?	<u>Yes/No</u>
Q 35. Does your local government have policies, plans or programs to support local food production?	<u>Yes/No</u>

2018 SOLID WASTE ACTIONS

Solid Waste Actions

Reducing, reusing, recycling, recovering and managing the disposal of the residual solid waste minimizes environmental impacts and supports sustainable environmental management, greenhouse gas reductions, and improved air and water quality.

Q 42 + Q 43 Community-Wide Solid Waste Actions Taken in 2018 + Additional Actions	
	Continued participation in Great Canadian Shoreline Cleanup
	Continue to promote at-cost pricing composters, watering tree bags and rain barrels
	Zero Waste Campaign launch & continued support of Metrovan's waste reduction campaigns
	Continued implementation of new language in Request for Proposals as part of City's procurement process to support reduced GHG emissions and support more robust sustainability and environmental protection / enhancement initiatives
	Host Earth Day 2018 celebration promoting Zero Waste - eco-education / outreach

Q 44 Community-Wide Solid Waste Actions Proposed for 2019	
	Earth Day - Annual celebration with a focus on Zero Waste
	It's Not Natural - Report illegal dumping campaign – launched and information session to curb illegal dumping along dykes, trails and park spaces
	Implemented the RecycleCoach app to encourage residents to recycle correctly
	Continued participation in Great Canadian Shoreline Cleanup
	Continue to promote at-cost pricing composters, watering tree bags and rain barrels

Q 45 + Q 46 Corporate Solid Waste Actions Taken in 2018 + Additional Actions	
	Expanded recycling / waste stream bins project at City facilities & parks
	Continued to promote at-cost pricing composters, watering tree bags and rain barrels
	Zero Waste Campaign launch & continued support of Metrovan's waste reduction campaigns
	Continued implementation of Tempest to increase efficiencies and reduce waste
	Evaluation of Greenhouse Gas Emission Reduction Projects

Q 47 Corporate Solid Waste Actions Proposed for 2019	
	Continue to expanded recycling / waste stream bins project at City facilities & parks
	Continued implementation of Tempest to increase efficiencies and reduce waste. Currently targeting and achieving 75% diversion the long-term goal is 100%
	Zero Waste Campaign - The Green Leadership Team focused on environmental sustainability throughout the year maximizing education, outreach, and action opportunities
	Continued evaluation of Greenhouse Gas Emission Reduction Projects

Solid Waste	
Q 48 Does your local government have construction and demolition waste reduction policies, plans or programs?	Yes/ <u>No</u>
Q 49 Does your local government have organics reduction/diversion policies, plans or programs?	<u>Yes</u> /No

2018 TRANSPORTATION ACTIONS

Transportation Actions

Transportation actions that increase transportation system efficiency emphasize the movement of people and goods, and give priority to more efficient modes, e.g. walking, cycling and public transit, can contribute to reductions in GHG emissions and more livable communities.

Q 50 + Q 51 Community-Wide Transportation Actions Taken in 2018 + Additional Actions	
	Promote Bike to Work Week
	Continue cycling awareness & share the road signage with local elementary schools
	Active Transportation – continued implementation of Pedestrian & Cycling Master Plan developed in 2013
	Continue providing 2 free Electrical Vehicle charging station & research feasibility of adding new stations
	Introduce Bike Valet program at large special events in community
	Transportation Forum - From June 18 to July 31, 2018, the City engaged with residents and community members through information sessions and an online portal, to garner feedback about priorities for the future of transportation in Pitt Meadows
Q 52 Community-Wide Transportation Actions Proposed for 2019	
	Collaborative Transportation Community Consultation - to discuss potential transportation infrastructure projects in and through Pitt Meadows
	A develop a Transportation Master Plan
	Continue to support the Active Transportation Advisory Committee - The Active Transportation Advisory Committee makes recommendations on matters related to public education and promotion of active transportation modes throughout the community
	Focus on, and commitment to Transportation by working with senior government agencies to improve internal transportation networks and services, and external connectivity for goods, people and services produced in Pitt Meadows
	Active Transportation - Implementation of recommendations from the Active Transportation Advisory Committee to improve pedestrian and cyclist transportation within the community. Work includes repairs/ installation of sidewalks, crosswalks, letdowns, etc.
Q 53 + Q 54 Corporate Transportation Actions Taken in 2018 + Additional Actions	
	Promote Bike to Work Week
	Launched Zero Waste Campaign

	Continue with idle-free campaign
	Continued Evaluation of Greenhouse Gas Emission Reduction Projects
Q 55 Corporate Transportation - Actions Proposed for 2019	
	Promote Bike to Work Week
	Launched Zero Waste Campaign
	Continue with idle-free campaign
	Continued Evaluation of Greenhouse Gas Emission Reduction Projects

Transportation	
Q 56 Does your local government have policies, plans or programs to support: <ul style="list-style-type: none"> • Walking • Cycling • Transit Use • Electric Vehicle Use • Other (please specify) 	<u>Yes/No</u> <u>Yes/No</u> <u>Yes/No</u> <u>Yes/No</u> <u>Yes/No</u>
Q 57 Does your local government have a Transportation Demand Management (TDM) strategy (e.g. to reduce single-vehicle occupancy trips, increase travel options, provide incentives to encourage individuals to modify travel behaviour)?	<u>Yes/No</u>
Q 58 Does your local government integrate its transportation and land use planning?	<u>Yes/No</u>

2018 WATER AND WASTEWATER ACTIONS

Water and Wastewater Actions

Managing and reducing water consumption and wastewater is an important aspect of developing a sustainable built environment that supports healthy communities, protects ecological integrity, and reduces GHG emissions.

Q 59 + Q 60 Community-Wide Water and Wastewater Actions Taken in 2018 + Additional Actions	
	Continued utility infrastructure replacement/upgrades of water pipes, water meters and valves
	Zero Waste Campaign launch
	Continue to offer reduced cost rain barrel, water bags for trees & toilet recycling rebates

	Continue to promote Metrovan’s water conservation & enforced restrictions
	Continued Flood Risk Assessment Phase I and apply for Flood Mapping Phase II through National Disaster Management Program
Q 61 Community-Wide Water and Wastewater Actions Proposed for 2019	
	Continue to promote Metrovan’s water conservation & enforced restrictions
	Continued Flood Risk Assessment Phase I and apply for Flood Mapping Phase II through National Disaster Management Program
	Continue to promote Metrovan’s water conservation & enforced restrictions
	Continued utility infrastructure replacement/upgrades of water pipes, water meters and valves

Q 62 + Q 63 Corporate Water and Wastewater Actions Taken in 2018 + Additional Actions	
	Integrated Stormwater Management review
	Apply for Flood Mapping Phase II through National Disaster Management Program
	Interim Riparian Protection and Management Strategy
	Invasive Species Management Plan
	Drainage Asset & Water Asset Condition Assessment

Q 64 Corporate Water and Wastewater Actions Proposed for 2019	
	Applications for Flood Mapping Phase II through National Disaster Management Program
	Develop a Riparian Protection and Management Strategy through a development permit area
	Development of a Minimum Basement Elevation bylaw to mitigate impacts on ground water and aquifers when residents are building a basement
	Development of Flood Hazard Development Permit Area Guidelines
	Installation of low flow shower heads, low flow toilets in City buildings

Water Conservation	
Q 65 Does your local government have water conservation policies, plans or programs?	<u>Yes/No</u>

2018 CLIMATE CHANGE ADAPTATION ACTIONS

This section of the CARIP survey is designed to collect information related to the types of climate impacts local governments are experiencing and how they are being addressed.

Q 66 Please identify the THREE climate impacts that are most relevant to your Local Government.	
<ul style="list-style-type: none"> • Warmer winter temperatures reducing snowpack • <u>Changes to temperature and precipitation causing seasonal drought</u> • Heatwaves impacting population health • Increased temperatures increasing wildfire activity • Increased temperatures affecting air quality • Changing temperatures influencing species migration and ecosystem shifts • Changing temperatures influencing ecosystem shifts • <u>Extreme weather events contributing to urban and overland flooding</u> • <u>Sea level rise and storms causing coastal flooding and/or erosion</u> 	
Other (please specify):	
Q 67 In 2018 has your local government addressed the impacts of a changing climate using any of the following?	
Risk and Vulnerability Assessments	<u>Yes/No</u>
Risk Reduction Strategies	<u>Yes/No</u>
Emergency Response Planning	<u>Yes/No</u>
Asset Management	<u>Yes/No</u>
Natural/Eco Asset Management Strategies	<u>Yes/No</u>
Infrastructure Upgrades (e.g. stormwater system upgrades)	<u>Yes/No</u>
Beach Nourishment Projects	N/A
Economic Diversification Initiatives	<u>Yes/No</u>
Strategic and Financial Planning	<u>Yes/No</u>
Cross-Department Working Groups	<u>Yes/No</u>
Official Community Plan Policy Changes	<u>Yes/No</u>
Changes to Zoning and other Bylaws and Regulations	<u>Yes/No</u>
Incentives for Property Owners (e.g. reducing storm water run-off)	<u>Yes/No</u>
Public Education and Awareness	<u>Yes/No</u>
Research	<u>Yes/No</u>
Mapping	<u>Yes/No</u>
Partnerships	<u>Yes/No</u>

Other (please specify):

Q 68 Climate Change Adaptation Actions Taken in 2018

Please elaborate on key actions and/or partnerships your local government has engaged in to prepare for, and adapt to a changing climate. Add links to key documents and information where appropriate.

Continued Flood Risk Assessment Phase I and apply for Flood Mapping Phase II through National Disaster Management Program

Continue Evaluation of GHG Emission Reduction Potential Project

Environmental Inventory and Management Strategy

Continued environmental mapping attributes in GIS

Earth Day focus on Zero Waste & Zero Waste Campaign launch

Q 69 Climate Change Adaptation Actions Proposed for 2019

Completion and implementation Flood Risk Assessment Phase I and apply for Flood Mapping Phase II through National Disaster Management Program

Continue evaluation of GHG Emission Reduction Potential Project

Environmental Inventory and Management Strategy implementation

Continued environmental mapping attributes in GIS

Earth Day focus on Zero Waste, Zero Waste Campaign launch and support of the Green Leadership Team

Q 70 For more information please contact

Alex Wallace
Manager of Community Development
awallace@pittmeadows.ca
604.460.6726

Q 71. The following are key resources that may be helpful to your local government in identifying climate impacts, as well as, strategies, actions and funding to deal with them. For those resources that you have used, please indicate whether they were useful in advancing your work in climate change adaptation?	
Indicators of Climate Change for British Columbia Plan2Adapt Climate Projections for Metro Vancouver Climate Projections for the Capital Region Climate Projections for the Cowichan Valley Regional District Province of BC's BC Adapts Video Series Preparing for Climate Change: Implementation Guide for Local Governments Public Infrastructure and Engineering Vulnerability Committee's (PIEVC) Sea Level Rise Adaptation Primer BC Regional Adaptation Collaborative Webinars Retooling for Climate Change Water Balance Model Water Conservation Calculator Funding: National Disaster Mitigation Program (NDMP) Community Emergency Preparedness Fund (CEPF) Municipalities for Climate Innovation Program (MCIP) Climate Adaptation Partner Grants (FCM) Infrastructure Planning Grants (MAH) Federal Gas Tax Fund	Haven't Used /Useful/Not Useful Haven't Used /Useful/Not Useful Haven't Used /Useful/Not Useful Haven't Used /Useful/Not Useful Haven't Used /Useful/Not Useful Haven't Used /Useful/Not Useful Haven't Used /Useful/Not Useful Haven't Used /Useful/Not Useful Haven't Used /Useful/Not Useful Haven't Used /Useful/Not Useful Haven't Used /Useful/Not Useful Haven't Used /Useful/Not Useful Haven't Used /Useful/Not Useful Haven't Used /Useful/Not Useful Haven't Used /Useful/Not Useful Haven't Used /Useful/Not Useful Haven't Used /Useful/Not Useful Haven't Used /Useful/Not Useful
Other (please specify)	

2018 OTHER CLIMATE ACTIONS

Other Climate Actions

This section provides local governments the opportunity to report other climate actions that are not captured in the categories above.

Q 72 Community-Wide Other Actions Taken in 2018	
	Continue to support sustainability and environmental stewardship & enhancement initiatives
	Increased community engagement
	Recognize sustainability champions within the community
Q 73 Corporate Other Actions Taken in 2018	
	Continue to support sustainability and environmental stewardship & enhancement initiatives through increased awareness utilizing an integrated, multi-departmental approach

	Increased corporate engagement in Zero Waste Campaign launch
	Recognize sustainability champions amongst Mayor & Council, corporate managers, directors & staff
	Continue to research funding mechanisms that support climate action initiatives, determine feasibility and apply for funding

Other	
Q 74 Are you familiar with the Community Lifecycle Infrastructure Costing Tool (CLIC) ?	Yes/No
Q 75 Is your local government using the CLIC tool?	Yes/No

INNOVATION AND PEER-TO-PEER LEARNING

Innovation

This section provides the opportunity to showcase an innovative *Corporate and/or Community-Wide* GHG reduction and/or climate change adaptation activity that your local government has undertaken and that has had, or has the potential to have, a significant impact. You are welcome to highlight an action that has already been listed.

Projects included here may be featured as success stories on the [B.C. Climate Action Toolkit](#) and/or shared with other local governments to inspire further climate action. Please add links to additional information where possible.

Communities that have conducted innovative initiatives may want to consider making applications to [CEA's Climate and Energy Action Awards](#), [FCM Sustainable Communities Awards](#) or to [FCM's National Measures Report](#).

Q 76 Community-Wide Innovation Action
Zero Waste Campaign Implementation
Q 77 Corporate Innovation Action
Support of the Green Leadership Team
Q 78 For more information on actions described above contact
Alex Wallace - Manager of Community Development

Programs, Partnerships and Funding Opportunities

Local governments often rely on programs, partnerships and funding opportunities to achieve their climate action goals. Please share the names of programs and organizations that have supported your local government’s climate actions by listing each entry in the box below separated by a forward slash (e.g. program1/program2).

Mitigation

Q 79 Mitigation Programs, Partnerships and Funding
National Disaster Mitigation Program Emergency Management B.C.

Adaptation

Q 80 Adaptation Programs, Partnerships and Funding
National Disaster Mitigation Program Federation of Canadian Municipalities – Green Municipalities Fund

2018 CARBON NEUTRAL REPORTING

Local governments are required to report on their progress in achieving their carbon neutral goal under the [B.C. Climate Action Charter](#). Working with B.C. local governments, the joint Provincial-UBCM Green Communities Committee (GCC) has established a common approach to determining carbon neutrality for the purposes of the Climate Action Charter, including a Carbon Neutral Framework and supporting guidance for local governments on how to become carbon neutral.

Prior to completing this portion of the survey, please ensure that you are familiar with guidance available on the [B.C. Climate Action Toolkit website](#), especially the [Workbook](#) and [Becoming Carbon Neutral: A Guide for Local Governments in British Columbia](#).

Please note: As a result of the BC Recycling Regulation, local governments are no longer required to account for GHG emissions from vehicles, equipment and machinery required for the collection, transportation and diversion of packaging and printed paper, in their annual Climate Action Revenue Incentive Program (CARIP) reports.

Reporting Emissions

Q 81 Did your local government measure corporate GHG emissions for 2018?	Yes/No
Q 82 If your local government measured 2018 corporate GHG emissions, please	847 tCO ₂ e

report the number of corporate GHG emissions from services delivered directly by your local government (in tonnes of carbon dioxide equivalent)	
Q 83 If your local government measured 2018 corporate GHG emissions, please report the number of corporate GHG emissions from contracted services (in tonnes of carbon dioxide equivalent)	354 tCo2e
Q 84 TOTAL A: CORPORATE GHG EMISSIONS FOR 2018 (Direct GHGs + Contracted GHGs)	1,202 tCO2e

Reporting Reductions and Offsets

To be carbon neutral, a local government must balance their TOTAL corporate GHG emissions generated in 2018 by one or a combination of the following actions:

- undertake GCC-supported Option 1 Project(s)
- undertake GCC-supported Option 2 Project(s)
- purchase carbon offsets from a credible offset provider

For more information about options to balance or offset corporate GHG emissions please refer to [Becoming Carbon Neutral: A Guidebook for Local Governments in British Columbia](#).

If applicable, please report the 2018 GHG emissions reductions (in tonnes of carbon dioxide equivalent (tCO2e)) being claimed from any of the following Option 1 GHG Reduction Projects:

OPTION 1 PROJECTS	REDUCTIONS
Q 85 Energy Efficient Retrofits (in tonnes of carbon dioxide equivalent (tCO2e))	
Q 86 Solar Thermal (in tonnes of carbon dioxide equivalent (tCO2e))	
Q 87 Household Organic Waste Composting (in tonnes of carbon dioxide equivalent (tCO2e))	539 tCO2e
Q 88 Low Emission Vehicles (in tonnes of carbon dioxide equivalent (tCO2e))	
Q 89 Avoided Forest Conversion (in tonnes of carbon dioxide equivalent (tCO2e))	
Q 90 TOTAL B: REDUCTIONS FROM ALL OPTION 1 PROJECTS FOR 2018	539 tCO2e

Q 91 If applicable, please report the names and 2018 GHG emissions reductions (in tonnes of carbon dioxide equivalent (tCO2e)) being claimed from Option 2 GHG Reduction Projects:

Option 2 Project Name	REDUCTIONS
	N/A
Q 92 TOTAL C: REDUCTIONS FROM ALL OPTION 2 PROJECTS FOR 2018	tCO2e

Offsets

Q 93 If applicable, please report the name of the offset provider, type of project and number of offsets purchased (in tonnes of carbon dioxide equivalent (tCO2e)) from an offset provider for the 2018 reporting year:

NOTE: DO NOT INCLUDE ANY FUNDS THAT MAY BE SET ASIDE IN A CLIMATE ACTION RESERVE FUND.

Offset Provider Name	OFFSETS
<p>Offsetters General Portfolio includes an interesting variety of project types, locations, and standards – this is the portfolio 90% of our offset customers choose to support. It contains a mix of high quality offsets developed to best in class standards from Canada and around the world:</p> <ul style="list-style-type: none"> • Quik's Farm Ltd - Carbon offset funds enabled the greenhouse operator to switch from burning coal and natural gas to include a biomass boiler to meet their heating needs. • Lee County Waste to Energy Facility, USA - Carbon offset funds enabled the Lee County Waste to Energy (WtE) Facility in Florida to avoid methane emissions from entering the atmosphere by capturing the methane normally produced and displaced electrical generation. • Darkwoods Forest Carbon Project - Located in the Selkirk Mountains, the Darkwoods Forest Carbon Project, an improved forest management project, was developed by 3GreenTree and Offsetters in partnership with The Nature Conservancy of Canada. • Aggregate Wind Power in India - Carbon offset funds will enable the installation of wind turbines across India. Aggregated, these projects contribute clean, renewable energy to power grids that are predominately fueled by fossil fuel based sources of energy. • Bundled Solar Power Project India - The bundled project activity involves the installation of Solar Power Projects in different states of India i.e. Tamil Nadu and Telengana. • Lower Zambezi REDD+ - Funding from carbon credits allows local communities and forest management professionals to conserve a highly threatened wildlife corridor which separates Zambia's national capital and the Lower Zambezi National Park. 	
Offsets (tCO2e)	663

Q 94 TOTAL D: OFFSETS PURCHASED FOR 2018	663 tCO ₂ e
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Q 95 TOTAL REDUCTIONS AND OFFSETS FOR 2018 (Total B+C+D) = 539 + 0 + 663 = 1,202 tCO₂e

Corporate GHG Emissions Balance for 2018

Your local government's Corporate GHG Emissions Balance is the difference between total corporate offsettable GHG emissions (direct + contracted emissions) and the GHG emissions reduced through GCC Option 1 and Option 2 projects and/or the purchase of offsets.

Q 96 CORPORATE GHG EMISSIONS BALANCE FOR 2018 = (A – (B+C+D)) = 1,202 – (539 + 0 + 663) = 0 tCO₂e

**If your Corporate GHG Emissions Balance is negative or zero,
your local government is carbon neutral.
CONGRATULATIONS!**

Q 97 If your local government was carbon neutral in 2018, please record any emissions reductions you will be carrying over for future years and the source of the reductions, including the year they were earned (e.g. organics diversion, 2018 100 tCO₂e)

SOURCE OF CARRY OVER EMISSION REDUCTIONS (and year earned)	REDUCTIONS
N/A	
Q 98 BALANCE OF REDUCTIONS ELIGIBLE FOR CARRY OVER TO NEXT YEAR	0 tCO₂e

Carbon Neutral Reporting	
Q 99 Does your local government set aside funds in a climate reserve fund or similar?	<u>Yes/No</u>

GCC CLIMATE ACTION RECOGNITION PROGRAM

Green Communities Committee Climate Action Recognition Program

The joint Provincial-UBCM Green Communities Committee (GCC) is pleased to be continuing the Climate Action Recognition Program again this year. This multi-level program provides the GCC with an opportunity to review and publicly recognize the progress and achievements of each Climate Action Charter (Charter) signatory.

Recognition is provided on an annual basis to local governments who demonstrate progress on their Charter commitments, according to the following:

Level 1 – Demonstrating Progress on Charter Commitments: For local governments who demonstrate progress on fulfilling one or more of their Charter commitments.

Level 2 – Measuring GHG Emissions: For local governments that achieve Level 1, and who have measured their Corporate GHG Emissions for the reporting year and demonstrate that they are familiar with their community’s energy and emissions inventory (i.e. CEEI)

Level 3 – Accelerating Progress on Charter Commitments: For those local governments who have achieved Level 1 and 2 and have demonstrated undertaking significant action (corporately or community wide) to reduce GHG emissions in the reporting year (e.g. through undertaking a GHG reduction project, purchasing offsets, establishing a reserve fund).

Level 4 - Achievement of Carbon Neutrality: For local governments who achieve carbon neutrality in the reporting year.

Q 100 Based on your local government's 2018 CARIP Climate Action/Carbon Neutral Progress Survey, please check the GCC Climate Action Recognition Program level that best applies:

<input type="checkbox"/>	Level 1 – Demonstrating Progress on Charter Commitments	
<input type="checkbox"/>	Level 2 – Measuring GHG Emissions	
<input type="checkbox"/>	Level 3 – Accelerating Progress on Charter Commitments	
<input checked="" type="checkbox"/>	Level 4 - Achievement of Carbon Neutrality	
<input type="checkbox"/>	Not Sure	

Q 101 Related to Level 3 recognition, if applicable, please identify any new or ongoing corporate or community wide GHG reduction projects (other than an Option 1 or Option 2 project) undertaken by your local government that reflects a significant investment of time and/or financial resources and is intended to result in significant GHG reductions:



PROJECT NAME: