2019 Climate Action Revenue Incentive Program (CARIP) Survey

2019 Climate Action Revenue Incentive Program (CARIP) Survey Overview

INTRODUCTION:

The 2019 CARIP survey highlights and celebrates local government climate action in British Columbia.

Local governments are **required to submit** the 2019 CARIP/ Carbon Neutral Progress Survey **by June 1, 2020**.

Detailed survey instructions, FAQs and definitions can be found in the **CARIP Program Guide** **for 2019 Claims.**

Once the survey is complete, please download a copy of your responses (you will be given the download link at the end of the survey).

SURVEY CONTENT:

1. **Section 1: Local Government Information**
2. **Section 2: Narrative Focus** 2019 Corporate Climate Action2019 Community-wide Climate Action2019 Climate Change Adaptation Action
3. **Section 3: 2019 Carbon Neutral Reporting**

Section 2 - Narrative Focus

Local government signatories to the B.C. Climate Action Charter have committed to taking climate action by:

- Working towards achieving corporate carbon neutrality;
- Measuring and reporting on their community-wide GHG emissions; and
- Creating complete, compact, energy-efficient communities.

A key part of the 2019 CARIP survey is to highlight and celebrate successful climate actions undertaken by local governments in British Columbia.

In 2019, what actions has your local government taken to support the creation of compact, complete, and energy efficient communities?

The Town undertook a review of all civic facilities with the intent to install solar panels on the rooftop of the Oliver Fire hall to be used to offset power costs for this facility.

2019 CORPORATE CLIMATE ACTION:

Corporate climate actions refer to actions that reduce the GHG emissions produced as a result of a local government's delivery of "traditional services" , including fire protection, solid waste management, recreational/cultural services, road and traffic operations, water and wastewater management, and local government administration.

In 2019, when it comes to corporate climate action, did your local government undertake any of the following (PLEASE SELECT ALL THAT APPLY):*

[X] Building and Lighting Actions

[ ] Energy Generation Actions

[ ] Greenspace Actions

[ ] Planning Actions

[ ] Solid Waste Actions

[ ] Transportation Actions

[ ] Water and Wastewater Actions

[ ] Other Climate Actions (PLEASE SPECIFY)

[ ] Don't know

Please specify 'Other Climate Actions'

When it comes to corporate Building and Lighting Actions, did your local government undertake any of the following in 2019 (PLEASE SELECT ALL THAT APPLY):

[ ] New or upgraded energy-efficient lighting systems

[ ] New or upgraded energy-efficient heating systems

[ ] New or upgraded building envelope initiatives

[ ] Upgrades to amenities in recreation facilities

[X] Studies related to building and/or lighting energy efficiency

[ ] Other (PLEASE SPECIFY)

[ ] Don't know

Please specify 'Other'

As mentioned, a key part of the 2019 CARIP survey is to highlight and celebrate successful climate actions undertaken by local governments in British Columbia. This question provides local governments the opportunity to demonstrate leadership and innovative approaches to reduce corporate GHG emissions.

When it comes to the corporate climate action, please highlight up to three significant actions focused on reducing GHG emissions that your local government undertook in 2019:

Implemented an edible trail/Food Secure/Recovery Program - The Town of Oliver has introduced a program where there are various vegetables planted in the downtown planters for citizens to access. This initiative has proven to be so successful that the program is expanding in 2020 and will encompass other areas of the downtown area. This has resulted in people not traveling as far to shop for groceries and removes the use of pesticides in the production of vegetables, fruit and peppers.

Corporate Action #2

Walk-ability Enhancements - The Town of Oliver has constructed in excess of 500 meters of sidewalks and pathways to enhance community walk-ability within the community. The sidewalks and pathways connect to the Towns linear trails.

Corporate Action #3

The Town has identified a site for a solar installation to offset electrical costs at the Fire Hall. This will be installed in early 2020

2019 COMMUNITY-WIDE CLIMATE ACTION:

Community-wide actions refer to actions that reduce GHG emissions across the community (i.e. actions not related to "traditional services" in corporate operations).

When it comes to community-wide climate action in 2019, did your local government undertake any of the following (PLEASE SELECT ALL THAT APPLY):*

[ ] Building and Lighting Actions

[ ] Energy Generation Actions

[X] Greenspace Actions

[X] Planning Actions

[ ] Solid Waste Actions

[ ] Transportation Actions

[ ] Water and Wastewater Actions

[ ] Other Climate Actions (PLEASE SPECIFY)

[ ] Don't know

Please specify 'Other Climate Actions'

When it comes to community-wide Greenspace Actions, did your local government undertake any of the following in 2019 (PLEASE SELECT ALL THAT APPLY):

[X] Tree planting

[X] Greenspace restoration or maintenance

[ ] Greenspace acquisition

[X] Invasive species management

[ ] Plans or strategies related to greenspace

[ ] Other (PLEASE SPECIFY)

[ ] Don't know

Please specify 'Other'

When it comes to community-wide Planning Actions, did your local government undertake any of the following in 2019 (PLEASE SELECT ALL THAT APPLY):

[ ] Official Community Plan (New or Updated)

[ ] Climate Action Plan (New or Updated)

[ ] Regional Growth Strategy (New or Updated)

[X] New or updated bylaw(s) or zoning addressing climate issues

[ ] Other (PLEASE SPECIFY)

[ ] Don't know

Please specify 'Other'

As mentioned, a key part of the 2019 CARIP survey is to highlight and celebrate successful climate actions undertaken by local governments in British Columbia. This question provides local governments the opportunity to demonstrate leadership and innovative approaches to reduce community-wide GHG emissions.

When it comes to the community-wide climate action, please highlight up to three significant actions focused on reducing GHG emissions that your local government undertook in 2019:

Edible Trail in downtown core.

Community-Wide Action #2

Construction of 500 meters of sidewalks connecting to linear pathways and parks.

Community-Wide Action #3

Identify a location of first solar garden installation to be implemented in 2020

2019 CLIMATE PREPAREDNESS AND ADAPTATION ACTION:

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.

Please identify the climate impacts that are most relevant to your local government (PLEASE SELECT ALL THAT APPLY):*

[X] Increased temperatures increasing wildfire activity

[X] Extreme weather events contributing to urban and overland flooding

[X] Changes to temperature and precipitation causing seasonal drought

[ ] Warmer winter temperatures reducing snowpack

[ ] Sea level rise and storms causing coastal flooding and/or erosion

[ ] Other (PLEASE SPECIFY)

[ ] Don't know

Please specify 'Other'

In 2019, did your local government take any of the following actions in an effort to consider or address the impacts of climate change? (PLEASE SELECT ALL THAT APPLY)*

[X] Emergency response planning

[X] Asset management

[X] Infrastructure upgrades

[ ] Public education and awareness

[X] Strategic and financial planning

[ ] Risk and vulnerability assessments

[ ] Risk reduction strategies

[ ] Official Community Plan policy changes

[ ] Other (PLEASE SPECIFY)

[ ] Don't know

Please specify 'Other'

In 2019, did your local government partnered with any of the following organizations to prepare for, and adapt to, a changing climate? (PLEASE SELECT ALL THAT APPLY)*

[ ] Adaptation to Climate Change Team (SFU)

[ ] Columbia Basin Trust

[ ] Community Emergency Preparedness Fund (UBCM)

[ ] Federation of Canadian Municipalities

[ ] Fraser Basin Council

[ ] Pacific Institute for Climate Solutions (UVIC)

[ ] Other (PLEASE SPECIFY)

[X] Don't know

Please specify 'Other'

As mentioned, a key part of the 2019 CARIP survey is to highlight and celebrate successful climate actions undertaken by local governments in British Columbia. This question provides local governments the opportunity to demonstrate leadership and innovative approaches to adapting to a changing climate.

When it comes to climate preparedness and adaptation actions, please highlight up to three significant actions/initiatives that your local government undertook in 2019:

Emergency response planning and exercises for flood management

Adaptation Action #2

Emergency response planning and exercises for wildfires

Adaptation Action #3

Infrastructure upgrades for stormwater management

Section 3: 2019 Carbon Neutral Reporting

Local governments are required to report on their progress in achieving their corporate carbon neutral goal under the B.C. Climate Action Charter. Working with B.C. local governments, the joint Provincial-UBCM Green Communities Committee has established a common approach to determining corporate carbon neutrality for the purposes of the 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, specifically 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.

2019 CARBON EMISSIONS

Did your local government measure corporate GHG emissions for 2019?*

(X) Yes

( ) No

( ) Don't Know

If your local government measured 2019 corporate GHG emissions, please report the number of corporate GHG emissions (in tonnes of carbon dioxide equivalent (tCO2e)) from:

Service Delivery Type

	2019 Corporate GHG Emissions
Services Delivered Directly by your Local Government	*198*
Contracted Services	*48*

TOTAL A - CORPORATE GHG EMISSIONS (DIRECT + CONTRACTED) FOR 2019:

TOTAL A - CORPORATE GHG EMISSIONS (DIRECT + CONTRACTED) FOR 2019:	*246*

2019 CARBON REDUCTIONS

To be carbon neutral, a local government must balance their TOTAL corporate GHG emissions generated in 2019 by one or a combination of the following actions:

- Undertake Green Communities Committee-supported Option 1 Project(s)
- Undertake Green Communities Committee-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 2019 GHG emissions reductions (in tonnes of carbon dioxide equivalent (tCO2e)) being claimed from any of the following Option 1 GHG Reduction Projects:

Option 1 GHG Reduction Projects

	2019 GHG Emissions Reductions
1A Energy Efficiency Retrofits	
1B Solar Thermal	
1C Household Organic Waste	
1D Low Emission Vehicles	
1E Avoided Forest Conversion	
1F Trenchless Technology	

TOTAL B - REDUCTIONS FROM ALL OPTION 1 PROJECTS FOR 2019:

TOTAL B - REDUCTIONS FROM ALL OPTION 1 PROJECTS FOR 2019:	*0*

If applicable, please report the names and 2019 GHG emissions reductions (in tonnes of carbon dioxide equivalent (tCO2e)) being claimed from Option 2 GHG Reduction Projects:

	Names of Option 2 GHG Reduction Projects	2019 GHG Emissions Reductions
1.		
2.		
3.		
4.		
5.		
6.		

TOTAL C - REDUCTIONS FROM ALL OPTION 2 PROJECTS FOR 2019:

TOTAL C - REDUCTIONS FROM ALL OPTION 2 PROJECTS FOR 2019: *0*

2019 CARBON OFFSETS

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 2019 reporting year:

	Name of Offset Provider	Name of Project	2019 GHG Emissions Reductions
1.			
2.			
3.			
4.			
5.			
6.			

TOTAL D - OFFSETS PURCHASED FOR 2019:

TOTAL D - OFFSETS PURCHASED FOR 2019: *0*

TOTAL REDUCTIONS AND OFFSETS FOR 2019 (Total B+C+D):

TOTAL REDUCTIONS AND OFFSETS FOR 2019 (Total B+C+D): *0*

Corporate GHG Emissions Balance for 2019

Your local government's corporate GHG emissions balance is the difference between total corporate offsetable GHG emissions (direct + contracted emissions) and the GHG emissions reduced through Green Communities Committee Option 1 and Option 2 projects and/or the purchase of offsets.

CORPORATE GHG EMISSIONS BALANCE FOR 2019 = (Total A – (B+C+D))

CORPORATE GHG EMISSIONS BALANCE FOR 2019 (Total A – (B+C+D)) *246*

If your corporate GHG emissions balance is negative or zero, your local government is carbon neutral. **CONGRATULATIONS!**

If your local government was carbon neutral in 2019, 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, 2019 100 tCO2e):

	Source of Carryover Emission Reduction	Year Earned	GHG Emissions Reductions
1.			
2.			
3.			
4.			
5.			
6.			

TOTAL E - BALANCE OF REDUCTIONS ELIGIBLE FOR CARRY OVER TO NEXT YEAR

TOTAL E - BALANCE OF REDUCTIONS ELIGIBLE FOR CARRY OVER TO NEXT YEAR *0*

GREEN COMMUNITIES COMMITTEE CLIMATE ACTION RECOGNITION PROGRAM:

The joint Provincial-UBCM Green Communities Committee is pleased to be continuing the Climate Action Recognition Program again this year. This multi-level program provides the Green Communities Comittee 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, who measure 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 demonstrate significant action (corporately or community-wide) in reducing 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 corporate carbon neutrality in the reporting year.

Based on your local government's 2018 CARIP Climate Action/Carbon Neutral Progress Survey, please check the Green Communities Committee Climate Action Recognition Program level that best applies:*

( ) Level 1 – Demonstrating Progress on Charter Commitments

(X) Level 2 – Measuring GHG Emissions

( ) Level 3 – Accelerating Progress on Charter Commitments

( ) Level 4 - Achievement of Carbon Neutrality

( ) Don't know

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:

Does your local government set aside funds in a climate reserve fund or similar?*

(X) Yes

( ) No

( ) Don't know