



# 2019 Climate Action Revenue Incentive Program (CARIP) Survey

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## 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 Survey by June 1, 2020.

Detailed survey instructions, FAQs and definitions can be found in the [2019 CARIP Program Guide](#).

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:

Section 1: Local Government Information

Section 2: Narrative Focus

- 2019 Corporate Climate Action
- 2019 Community-wide Climate Action
- 2019 Climate Change Adaptation Action

Section 3: 2019 Carbon Neutral Reporting

## Section 1 – Local Government Information

Name of Local Government:

City of Campbell River

Name of Regional District:

Strathcona Regional District

Does your region have a Regional Growth Strategy (RGS):

- Yes
- No
- Don't know

Population:

- 0-4,999
- 5,000 to 9,999
- 10,000 to 49,999
- 50,000 to 99,999
- 100,000+

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## 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?

-Initiated a Housing Growth Review to determine limits to development within the urban containment boundary. Review proposes policy and regulatory changes that would enhance infill development, which would help achieve the objective of diversifying transportation options such as increasing accessibility for walking, cycling and transit.

-Initiated a Housing Needs Report as required by the provincial government

### 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):

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'

- Commissioned technical studies to investigate the impacts of a one-in-200 year storm event in combination with high tides and sea level rise in specific areas of Campbell River
- Commissioned an ecosystem and species at risk study to assess the vulnerability of Campbell River's natural environment to sea level rise, focusing on the risks to ecosystem services and rare plants and ecosystems.
- Attended and delivered a presentation on the City's sea level rise planning at the Livable Cities Forum, a three-day conference focused on building climate-resilient communities.
- Attended and delivered a presentation on the City's sea level rise planning at the BC Land Summit
- Continued developing the City's Climate Adaptation Plan
- Commissioned technical studies to improve the City's Steep Slope Development Permit Area Guidelines
- Initiated Official Community Plan environmentally sensitive areas mapping updates (whoops I see you have this later)
- Conducted annual Bald Eagle nest tree inventory and monitoring surveys
- Delivered Power Down Campbell River Program for the provision of home energy retrofit rebates
- annual contribution to the City's Carbon Neutral Reserve Fund in lieu of purchasing offsets.

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
- Studies related to building and/or lighting energy efficiency
- Other (PLEASE SPECIFY)
- Don't know

Please specify 'Other'

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

- Solar power projects
- Heat recovery or heat reclamation projects
- Biomass or bio-gas projects
- Geo-exchange or geothermal projects
- Studies related to energy generation
- Other (PLEASE SPECIFY)
- Don't know

Please specify 'Other'

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

- Tree planting
- Greenspace acquisition
- New or upgraded amenities in parks
- Invasive species management
- Plans or strategies related to greenspace
- Other (PLEASE SPECIFY)
- Don't know

Please specify 'Other'

- In concert with a local environmental group, delivered annual invasive control programs for Scotch broom (public property) and knotweed species (public and private property)
- Conducted first year eelgrass monitoring habitat compensation related to the redevelopment of a public boat launch and assessed gravel management at the site
- Commissioned a study to assess the performance of all soft/green shores restoration works on City owned eroded coastal lands
- Conducted in stream works to address flooding damage, improve degraded channel conditions and improve riparian habitat to stabilize the site in a section of Willow Creek
- Added deep pool and other habitat complexing (i.e. variable water levels, creation of a deep pool and adding woody debris) and riparian habitat to a City owned stream compensation works (Fisher/Nunns Creek)
- Local environmental group regularly conducts stream stewardship projects including instream works, invasive species management and tree planting in City greenspaces under separate funding – the City does not directly track these initiatives
- Assisted local environmental group to develop Charstate Community Garden on City owned lands
- Purchase of electric tools including weed eaters, power lawn mowers and maintenance equipment

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

- Energy/Emissions Management Plan (New or Updated)
- Asset Management Plan (New or Updated)
- Corporate Climate Action Plan (New or Updated)
- Strategic Plan (New or Updated)
- Other (PLEASE SPECIFY)
- Don't know

Please specify 'Other'

Hired arborist to begin implementing actions within the Urban Forest Management Plan; Completion of the Sea Level Rise Action Plan; Updates to the OCP to reflect Environmentally Sensitive Area mapping and associated text amendments were initiated; comprehensive background research completed to support the development of tree bylaw; initiated stream update cards to compile significant annual events and effort in relation to creek health

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

- Introduction, expansion or improvement of recycling initiatives at corporate facilities
- Introduction, expansion or improvement of composting initiatives at corporate facilities
- Communication or education for staff related to corporate solid waste initiatives
- Studies or research related to corporate solid waste initiatives
- Plans or strategies related to corporate solid waste initiatives
- Other (PLEASE SPECIFY)
- Don't know

Please specify 'Other'

- Promoted awareness of corporate guidelines for low-waste events
- Implemented corporate guidelines for hosting low-waste events at several workshops
- Developed report to Council for consideration on banning single-use plastic bags
- initiated planning efforts to host a compost facility in Campbell River by rezoning a parcel of land to permit the use
- Continue to work with CVRD to develop curbside organics program in conjunction with the building of a new regional organics facility in Campbell River

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

- Fleet replacement or upgrades
- New or improved electric vehicle initiatives
- New or improved active transportation infrastructure for staff
- Communication or outreach for staff related to corporate transportation initiatives
- New or improved public transportation initiatives for staff
- Other (PLEASE SPECIFY)
- Don't know

Please specify 'Other'

- Staff participation in and promotion of GO By Bike Weeks in both the spring and fall
- Installation of directional signage for newly introduced recreational trail, Greenways Loop

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

- New or improved water or wastewater infrastructure
- Studies or research related to water conservation
- Plans or strategies related to water or wastewater
- Water reduction initiative(s)
- Other (PLEASE SPECIFY)
- Don't know

Please specify 'Other'

- Completed a Wastewater Treatment Plant Electrical Assessment. Engineering for upgrades are taking place in 2020. Upgrades to take place in 2021.
- Enhanced reliance on daily SCADA Technology for Lift Stations Inspections rather than On Site inspections to reduce driving
- Completed phase I of Biosolids Application Site rehabilitation. Phase 1 increased sludge application process by approximately 8 years, which is equivalent to reducing approximately 1 dump truck load going from Norm Wood Environmental Centre to the landfill every 2 days.

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:

Corporate Action #1

Participated as a pilot community in the national Smart Energy Communities Scorecard Initiative

Corporate Action #2

Urban Forest Management Plan action implementation



### Corporate Action #3

Completed the City's Sea Level Rise Action Plan which was adopted by Council at the beginning of 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
- 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'

- Invited to participate in SD72's disaster risk reduction curriculum, organized by Strathcona Regional District. Taught a workshop on sea level rise and climate change adaptation to students at Timberline Secondary School.
- Invited to deliver presentations at PIBC event regarding how climate change adaptation and mitigation can influence a healthy-built environment.
- In partnership with Strathcona Regional District, began developing a localized FireSmart Guidebook to landscaping to protect residential properties from wildfire risks which are heightened by climate change.
- Continued developing the City's Climate Adaptation plan through engagement with community partners and members of the public

-Completed the City’s Sea Level Rise Action Plan which consisted of extensive public engagement to develop the plan

When it comes to community-wide 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
- BC Energy Step Code related projects
- Incentives/rebate programs related to energy-efficient building or lighting
- Outreach, education or communication related to energy-efficient building or lighting
- Other (PLEASE SPECIFY)
- Don’t know

Please specify 'Other'

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

- Solar power projects
- Heat recovery or heat reclamation projects
- Landfill gas capture/utilization projects
- Micro-hydro projects
- Studies or research related to energy generation
- Other (PLEASE SPECIFY)
- Don’t know

Please specify 'Other'

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

- Tree planting
- Greenspace restoration or maintenance
- Greenspace acquisition
- Invasive species management
- Plans or strategies related to greenspace
- Other (PLEASE SPECIFY)
- Don't know

Please specify 'Other'

-Greenspace restoration or maintenance example: Ongoing erosion and sediment control, invasive plants, stewardship awards

-Invasive species management example: The City of Campbell River works with nongovernmental organizations under the umbrella of Greenways Land Trust to manage invasive non-native species.

-Plans or strategies related to greenspace example: Began the development of a tree protection bylaw to guide decisions related to tree cutting, retention, replacement and planting may be established.

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)
- New or updated bylaw(s) or zoning addressing climate issues
- Other (PLEASE SPECIFY)
- Don't know

Please specify 'Other'

-Housing Growth Review to determine limits to development within the urban containment boundary. Review also proposes policy and regulatory changes that would enhance infill development, which would help achieve the objectives set forth in the SOCP whereby the City seeks to reduce its GHG emissions through more walkable and transit-friendly development.

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

- Introduction, expansion or improvement of recycling initiatives
- Introduction, expansion or improvement of composting initiatives
- Community clean-up initiatives
- General waste reduction initiative (including landfill diversion strategies)
- Outreach, education or communication related to solid waste
- Other (PLEASE SPECIFY)
- Don't know

Please specify 'Other'

- Council approval of application by Comox Strathcona Waste Management for a compost facility in Campbell River. Construction is anticipated to being in the fall of 2020 and facility operational by fall of 2021.
- Encouraged diversion of material through the landfill through participation in curbside recycling, yard waste collection and yard waste drop-off centre
- Comox Strathcona Waste Management is contracted by the City of Campbell River to carry out public education initiatives related to solid waste reduction and diversion strategies.

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

- New or improved active transportation infrastructure
- New or improved public transportation initiatives
- New or improved electric vehicle initiatives
- Outreach, education or communication related to transportation

Plans or strategies related to transportation

Other (PLEASE SPECIFY)

Don't know

Please specify 'Other'

1. Changes to #7 Petersen route (effective April 22). Routing now runs closer to a cluster of seniors' homes near Ironwood / 13<sup>th</sup> Ave. Routing now runs through the hospital site, rather than around it.
2. 6 new BC Transit shelters at:
  - a. Dogwood southbound at 16th Ave (Mariner Square)
  - b. Dogwood northbound at Evergreen
  - c. Ironwood southbound at 14th Ave (seniors)
  - d. Erickson westbound at Nodales
  - e. Northbound Alder at Holm (opposite Southgate Middle School)
  - f. Hospital site, northbound
3. 4 new pull-outs at existing bus stops in the Regional District:
  - a. Highway 19A northbound at McGimpsey Rd
  - b. Highway 19A northbound at Seawave Rd
  - c. Highway 19A northbound at Lynnwood Rd
  - d. Highway 19A southbound at Hernando (Seadrift RV park)
4. Expanded HandyDart hours. Now Monday to Friday 7am to 7pm and Saturday 9am to 7:30pm. Effective August. Previously weekday 8am to 4pm and Saturday 9am to 4:30pm.

Improvements to active transportation infrastructure:

1. New crosswalk at Highway 19A / 6<sup>th</sup> Ave (special crosswalk with flashing amber lights)
2. Upgraded crosswalks at Highway 19A / 2<sup>nd</sup> Ave and Highway 19A / 5<sup>th</sup> Ave to special crosswalks.
3. New sidewalk on S McPhedran, from S Dogwood to Mercroft (approx. 1,000m)
4. Extension of waterfront walkway
5. Increased on-street bike parking

Outreach, education or communication:

1. Supported community Go By Bike Initiative by hosting events in both the spring and the fall.

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

Water restrictions

Incentives/rebate programs related to water or wastewater

- Outreach, education or communication related to water or wastewater
- Studies or research related to water or wastewater
- Plans or strategies related to water or wastewater
- Other (PLEASE SPECIFY)
- Don't know

Please specify 'Other'

- Water conservation program including toilet and energy star appliance rebates
- Completed a Wastewater Treatment Plant Electrical Assessment. Engineering for upgrades are taking place in 2020. Upgrades to take place in 2021.
- Enhanced reliance on daily SCADA Technology for Lift Stations Inspections rather than On Site inspections to reduce driving
- Completed phase I of Biosolids Application Site rehabilitation. Phase 1 increased sludge application process by approximately 8 years, which is equivalent to reducing approximately 1 dump truck load going from Norm Wood Environmental Centre to the landfill every 2 days.

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:

Community-Wide Action #1

Council approval of a regional compost facility in Campbell River

Community-Wide Action #2

Continued to offer the Power Down Campbell River Program for homeowners looking to retrofit their homes to increase energy efficiency. The program offers rebates for home energy evaluations, and for installation of heat pumps, as well as educational information and energy conservation tips for home owners.

### Community-Wide Action #3

Began developing climate adaptation actions to be incorporated into a comprehensive Community Climate Adaptation Plan to address local climate change risks

#### 2019 CLIMATE PREPAREDNESS AND ADAPTATION ACTION:

This section of the 2019 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):

- Increased temperatures increasing wildfire activity
- Extreme weather events contributing to urban and overland flooding
- 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'

- Sea level rise and more extreme rainfall events causing stormwater system back up, impacting sewer systems as well.
- Hotter and drier summers increasing PM 2.5, ground-level ozone, allergens, and smoke, leading to poor air quality.
- Rising annual temperatures causing introduction of new insects and pests (e.g. pine beetle, Douglas-fir tussock moth, gypsy moth).
- Rising annual temperatures and hotter, drier summers threatening native species habitat and biodiversity.
- Rising river temperatures impacting fish mortality.
- More extreme weather events impacting transportation networks.
- Rising ocean temperatures increasing ocean acidification, resulting in loss of aquatic species.
- More extreme rainfall events increasing turbidity in watershed, affecting water quality.
- Rising ocean temperatures impacting aquaculture, the fishing industry, and recreational activities.
- More extreme weather events impacting tourism.

- More extreme weather events negatively impacting community well-being (e.g. health of vulnerable populations, access to recreation, social gathering spaces).
- More extreme rainfall events impacting fish spawning habitat (e.g. gravel restoration, erosion, turbidity).
- Sea level rise and more extreme rainfall events flooding coasting infrastructure (e.g. fire hall)
- Hotter and drier summers increasing the risk of wildland-urban interface fire impacting the City's emergency response capacity.
- Hotter, drier summers impacting water supply and availability for competing uses (e.g. hydro power, agriculture, domestic use with growing population and development). Availability is also impacted by increased potential for wildfires and resulting impact on water quality.
- More extreme weather events exacerbating impacts from dam breach or causing overland flooding from overspill.
- Rising annual temperatures increasing pathogens and vector borne diseases.
- Hotter, drier summer conditions causing more windfall and damage to trees during wind events.
- Rising annual temperatures reducing snowpack and accelerating glacial melt, implicating downstream ecosystems.
- More extreme weather events causing damage to utility infrastructure, leading to electricity disruptions.
- More extreme rainfall events increasing risk to infrastructure from erosion/slope failure (e.g. hospital, highway escarpment).

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)

- Emergency response planning
- Asset management
- Infrastructure upgrades
- Public education and awareness
- 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'

- Updated the City's Community Wildfire Protection Plan
- Delivered a lecture to high-school students on emergency response and risk reduction in relation to climate change and sea level rise
- Developed a dam inundation evacuation area to facilitate a timely and effective response to an emergency situation resulting in a potential or imminent breach and/or severe overflow of one or more dams in the Campbell River Hydroelectric System
- Highway 19A waterfront upgrades to adapt to sea level rise
- Conducted a risk and vulnerability assessment related to climate change impacts with community partners, forming the development of the City's Climate Adaptation Plan
- developed a list of corporate and community-wide actions in response to climate change, forming the development of the City's Climate Adaptation Plan

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)
- Don't know

Please specify 'Other'

- UBCM: Sea Level Rise Planning Funding
- FCM: Sea Level Rise funding
- ICLEI/Real Estate Foundation of BC: Together for Climate Project Funding

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:

#### Adaptation Action #1

Completion of City's Sea Level Rise Action Plan, a long-term planning tool to guide community wide adaptation over the next 30 years. The plan considers the uncertain timing in which sea levels will rise over time. Priority actions are strategically planned to ensure future development and land use decisions in vulnerable areas consider sea level rise, that large scale adaptation projects are incorporated into other planned construction or implemented as needed, to allow time to assess the rate of sea level rise, and that relevant scientific information is monitored so plans can be updated to reflect current data.

#### Adaptation Action #2

Implementation of City's Urban Forest Management Plan which includes:

**Hazard Tree Program:** Includes a schedule, inspection type, mitigation options and documentation. This year all the parks were assessed for hazard trees. Mitigation/removal will finished within the next 2 weeks. This winter a final review of the hazard tree program will be done and hope to be finalized in 2021.

**Tree Recycling/Reuse:** It is now common practise to reuse and recycle any trees that the city had to mitigated or remove. If in green area priority is to create a wildlife tree. Any wood chips are used for mulch around city parks. This year, wood was donated to School District 72 were it was cut up to create 1750 board feet for woodworking classes in high schools and middle schools in the school district. Tree rounds were donated to Georgia Park School for an outside class room.

**Tree Planting:** 130 trees were planted in parks, detention ponds, reclamation projects, city hall and the old cemetery. Money for this came from a Tree Canada grant, Parks operation budget and the tree reserve fund.

**Outreach Programs:** Initiated discussions to create public outreach (video, facebook, press release) with the City communications advisor in 2021.

**Natural Areas:** When constructing the Willow Point bike park, top soil and plants were relocated to an old industrial reclamation site (Ocean Blue). The project was in conjunction with Greenways Land Trust – 40 dump trucks of topsoil woody material and native plants were delivered to the site. A further 90 ferns were relocated to Centennial Park.

**Tree Maintenance:** Worked in conjunction with Roads, Water, and Waste Water Departments. Limited capabilities for a full street tree maintenance program (pruning, inspection, water) due to funding. Objective are to reply to any service requests from the public within 24 hours.

### Adaptation Action #3

Completion of City’s Community Climate Adaptation Plan in fall 2020, a comprehensive policy document containing 33 actions that support 13 key objectives, all of which are meant to guide Campbell River in preparing for and responding to current and future projected climate impacts. Public consultation to follow before consideration of adoption by Council in early 2021.

## 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 (WILL BE UPDATED) and Becoming Carbon Neutral: A Guide for Local Governments in British Columbia (WILL BE UPDATED).

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 CARIP reports.

### 2019 CARBON EMISSIONS

Did your local government measure corporate GHG emissions for 2019?

- 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 (tCO<sub>2</sub>e)) from:

Service Delivery Type	2019 Corporate GHG Emissions
Services Delivered Directly by your Local Government	891

<b>Contracted Services</b>	699
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**TOTAL A - CORPORATE GHG EMISSIONS (DIRECT + CONTRACTED) FOR 2019:**

1590
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### 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 (tCO<sub>2</sub>e)) being claimed from any of the following Option 1 GHG Reduction Projects:

Option 1 GHG Reduction Projects	2019 GHG Emissions Reductions
<b>1A Energy Efficiency Retrofits</b>	
<b>1B Solar Thermal</b>	
<b>1C Household Organic Waste</b>	
<b>1D Low Emission Vehicles</b>	
<b>1E Avoided Forest Conversion</b>	
<b>1F Trenchless Technology</b>	

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

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

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

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

### 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 (tCO<sub>2</sub>e)) 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 REDUCTIONS AND OFFSETS FOR 2019 (Total B+C+D):



### 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))**

1590

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 tCO<sub>2</sub>e):

	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**

### 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 Committee 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
- 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?

- Yes
- No



Don't know