

# 2019 CARIP Climate Action/Carbon Neutral Progress Survey

May 29, 2020

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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/ 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 at: [Update in Progress](#)

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:

Vancouver, City of

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+

Submitted by:

Name

Matt Horne

Position

Climate Policy Manager

Email Address

matt.horne@vancouver.ca

Phone Number

604-673-8331

## Section 2 - Narrative Focus

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

In 2019, Vancouver began developing six Big Moves as part of Vancouver's Climate Emergency Response, following Council declaration of a climate emergency in early 2019. These Big Moves include supporting walkable complete communities, setting a 2030 target of 90% of residents living within an easy walk and roll of their daily needs.

Success will mean more "complete neighbourhoods" that have daily destinations, such as shops, services, jobs, parks, schools and community centres, within walking/rolling distance of where people live. Achieving this goal will require sensitively introducing more housing choices and essential amenities to neighbourhoods across the city. The streets and pathways linking these daily needs will need to be safe, comfortable and attractive for walking, rolling and cycling, and supported by good access to frequent transit.

Upcoming planning initiatives, such as the Vancouver Plan, the Broadway Plan and Jericho Lands, provide opportunities to expand our approach to creating and enhancing walkable communities and pilot new strategies to accelerate our transition to a truly walkable city.

Walkable and complete communities will also support the City's resilience work because people can more easily help each other and access resources during emergencies. It also supports and enhances efforts to create more diverse and affordable housing choices.

### 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'

Climate-risk disclosure, electric vehicle charging infrastructure

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'

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'

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'

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'

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'

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:

The City's fleet of medium and heavy duty trucks have historically run on biodiesel: either B5 or B20 blends. They produce roughly half of the fleet's overall carbon pollution. We are replacing up to 44 of these with electric versions over the next few years, and are continuing to explore new makes and models. Meanwhile, in situations where we can't go electric, we look to innovative fuels with more renewable content, such as renewable diesel, which is refined differently than biodiesel and can completely replace it without any changes to vehicles or supporting infrastructure. As of May 2019, 65% of the City's biodiesel use will shift to renewable diesel made from organic waste.

#### Corporate Action #2

The City upgrades about 1% of the city's water, sewer, and road infrastructure every year. That generates hundreds of thousands of tonnes of construction waste. Established in 1999, Kent Yard is a hub for recycling and repurposing the City's road and utility construction waste. Every year, we process and reuse up to 200,000 tonnes of concrete, asphalt, and excavated soil back into material for City crews to use. One product the City produces is a warm asphalt using recycled content, soya wax, and an industrial wax made from recycling plastic bags. As well as reusing old asphalt in new asphalt production, this type of asphalt reduces embodied carbon.

#### Corporate Action #3

The City has achieved a reduction of 26% in GHG emissions in its facilities compared to 2007, despite an increase in building floor area of approximately 20%. Compared to 1990, GHG emissions have been reduced by 43%. Between Sept 2018 - Aug 2019, there has been a decrease of five percent in City-facility overall GHG emissions compared to the previous 12-month period. The City's Real Estate and Facilities Management department manages and executes a continuous optimization program contributing to this five percent. Examples include Hillcrest Community Centre (one of the largest single-facility energy users; recommissioned their heat recovery and direct digital control systems), Kitsilano Arena's (new heat recovery system captures waste heat from the ice-rink refrigeration system to heat the arena and community centre), Killarney Community Centre (upgraded boilers and UV water treatment system), and Sunset, Kerrisdale and Mount Pleasant Community Centres (recommissioned direct digital control systems).

## 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'

Electric vehicle charging infrastructure

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'

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'

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'

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'

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'

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:

On April 29, 2019, Vancouver City Council approved the Climate Emergency Response to increase our efforts to tackle climate change. The report amplifies and builds on past progress to reduce carbon pollution, improve energy efficiency, and transition to renewable energy. The Climate Emergency Response sets a target of a carbon-neutral community before 2050 (representing a reduction/elimination of ~2.4M tCO<sub>2</sub>e as of 2018). The Response builds and expands on our existing work in order to achieve an interim 50% reduction by 2030, as well as accelerated actions to ramp-up local action right away (e.g., making it more affordable and easier to get a permit for heat pumps; plans to transition the Neighbourhood Energy Utility from 70% (today) to 100% renewable energy before 2030; developing a power supply plan for film, food trucks, and special events to help transition off of diesel and propane generators, which are also significant contributors to noise and air pollution). Finally, the City is forming an Equity Working Group to ensure that equity has a central place in the City's climate emergency and sustainability work moving forward.

## Community-Wide Action #2

Almost half the buildings standing now will still be around in 2050. And 90% of the carbon pollution from these buildings comes from burning natural gas in furnaces and hot-water boilers. In spring 2019, Council approved a \$5 million fund to enhance BC's retrofit programs and help building owners make the switch to electric systems, like heat pumps and on-demand electric hot water. These systems also have other benefits. No gas burning indoors means improved air quality, enhanced safety in the event of an earthquake or fire, and provision of cooling in summertime (many heat pumps also work the other way, pumping heat out and cooling interior spaces).

### Community-Wide Action #3

With many alternatives to car ownership in Vancouver, with many residents choosing transit, active modes like walking and cycling, and carshare or rideshare. At the same time, building new parking spaces can drive up construction costs. So do new buildings in Downtown Vancouver need so many parking spaces, where there's great access to frequent transit, shared vehicles, bike share, and so many ways to move around?

Beginning in January 2019, the City stopped requiring new buildings downtown to have a minimum number of parking spaces (except for accessible parking spots). And we now require these new buildings to support sustainable transport choices which will help their occupants drive less. Bicycling and car sharing can all be encouraged by providing things like bike parking, passenger loading spaces, and memberships and dedicated spots for car share vehicles. By requiring developers to do this kind of planning in new buildings, we are aiming to improve not only sustainability and livability, but also active lifestyles, traffic congestion, and affordability.

## 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):

- 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'

Heatwaves impacting population health, in particular health/safety risks for frontline communities; increased impacts to urban forests, green spaces, and trees from temperature extremes and wind storms; future climate change impacts on buildings (thermal comfort, water ingress, wind durability, rain/snow loads); increased landslide risk

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'

Public Health; Community Plans (False Creek Flats, North East False Creek); early stages of Vancouver Plan (city-wide OCP-style plan) development

In 2019, did your local government partner 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'

CPA-Canada, City of Montreal, City of Toronto, Canadian Urban Sustainability Practitioners, City Studio, UBC-CALP, Deltares/100RC, Providence Health Care, C40 – Adaptation, International Alliance to Combat Ocean Acidification, Pacific Climate Impacts Consortium (PCIC), UBC, BC Non-Profit Housing Association/BC Housing

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:

In 2019, the City began the process of developing and launching the Sea2City: Coastal Design Challenge. Sea2City is a new kind of engagement and design program for flood management. Inspired by the success of the 2018 Coastal Adaptation Program - Fraser River engagement project and in-step with the City of Vancouver's Vancouver Plan (in development), Sea2City is a 16-month public facing program that will engage Vancouver residents, businesses, Indigenous peoples, academia, NGOs, design teams, and various levels of government on sea level rise and flood management approaches. Through public engagement and structured interdisciplinary teams, Sea2City will co-develop innovative flood management concepts and solutions for Vancouver's False Creek and Fraser River shorelines in collaboration with the public, the City of Vancouver and other partners.

Adaptation Action #2

Beginning in 2019 for the 2018 reporting year, Vancouver began voluntarily reporting on efforts to measure the costs and risks that climate change will have on the city, in alignment with the recommendations of the Task Force for Climate-Related Financial Disclosures (TCFD). This voluntary disclosure defines how the city's governance, strategy, risk management, and metrics and targets are set up to respond to climate change. Robust climate-related financial disclosure will play a critical role in the city's goal to better incorporate climate considerations into the financial decision-making processes.

Vancouver was the first city in North America to include TCFD-aligned disclosure in its annual financial statements, as part of its efforts to anticipate the financial impacts of climate change. This disclosure will help the city plan for the cost

of adapting our infrastructure and taking action to prepare for climate change, while continuing to support immediate and necessary action. Costs for maintaining existing services are rising faster than inflation in a number of areas. This means that there are risks to the city's five-year financial plan that include costs for unforeseen events, such as public emergencies and issues related to climate change, or unusual weather events.

As more jurisdictions report this way globally, the City is working with other Canadian cities to promote a consistent, comparable, and efficient way of reporting climate-related financial risks. At the same time, Vancouver and other cities are calling on national and subnational government to send clear signals by stepping up their commitments, centring cities in their climate, housing and economic policy frameworks, and then aligning funding and action accordingly.

### Adaptation Action #3

Using the best, most up-to-date science available, City staff revised the Vancouver Climate Change Adaptation Strategy in December 2018 and began implementation in 2019. New actions include setting up clean-air shelters at community centres; "futureproofing" building codes so the next generation of homes are prepared for future hotter summers; and managing rainwater through green infrastructure.

## 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 (GCC) 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 Climate Action Revenue Incentive Program (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 Type	2019 Corporate GHG Emissions
Services Delivered Directly by your Local Government	21,887
Contracted Services	488

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

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

22,375

## 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 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 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>	15,119
<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:

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

15,119

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
<b>1.</b> Vancouver Landfill Gas Capture Optimization	22,375

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

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

22,375

## 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:

	<b>Name of Offset Provider</b>	<b>Name of Project</b>	<b>2019 GHG Emissions Reductions</b>
<b>1.</b>	None		

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):

37,494

## 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 GCC 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))

-15,119

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):

	<b>Source of Carryover Emission Reduction</b>	<b>Year Earned</b>	<b>GHG Emissions Reductions</b>
<b>1.</b>	Municipal Organic Waste Diversion and Composting in Metro Vancouver	2019	15,119
<b>2.</b>	Municipal Organic Waste Diversion and Composting in Metro Vancouver	2013-2018	85,790
<b>3.</b>	Vancouver Landfill Gas Capture Optimization	2012-2015	34,726

BALANCE OF REDUCTIONS ELIGIBLE FOR CARRY OVER TO NEXT YEAR

BALANCE OF REDUCTIONS ELIGIBLE FOR CARRY OVER TO NEXT YEAR

135,635

## 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, 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 GCC 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