

Survey Template

For the *2017 CARIP Climate Action/Carbon Neutral Progress Survey*

Local governments are required to submit the *2017 CARIP Climate Action/Carbon Neutral Progress Survey* on or before June 1, 2018.

Use Template to Collect Information

In response to local government input, this Survey Template has been created to assist with collecting information for the *2017 CARIP Climate Action/Carbon Neutral Progress Survey*, and follows the same structure as the survey.

Responses entered into this Template can be cut and pasted into the online survey. The survey asks for up to five actions in each category, and there is a place in the survey to report additional actions if desired. In this Template, simply add more lines to the tables to report more than five actions.

Use Template to Assist with Reporting

Local governments are also required to publicly report the information submitted in the *2017 CARIP Climate Action/Carbon Neutral Progress Survey*. There is no ability for survey respondents to generate a report of survey responses, in turn:

- A PDF copy of your survey responses will be sent to you once your completed survey has been submitted.
- Given that it is challenging to edit the PDF document, you are encouraged to use your populated version of this Template, or your own, to report your CARIP results publicly.
- You may also choose to create a report in another format that contains the information submitted in the *2017 CARIP Climate Action/Carbon Neutral Progress Survey*.

Further information on CARIP can be found on the [Ministry of Municipal Affairs and Housing website](#).

The Government of BC will not collect, use, or disclose personal information using SurveyMonkey®. Please be aware however that IP addresses are collected by SurveyMonkey® itself, and these IP addresses and other information collected will be stored on SurveyMonkey®'s servers located outside of Canada. Please do not provide any third-party information (i.e. refer to others) in your responses to the survey.

Climate Action Revenue Incentive (CARIP) Public Report for 2017

Local Government: City of Penticton

Report Submitted by:

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Role: Community Sustainability Coordinator

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Date: May 28th, 2018

The City of Penticton has completed the 2017 Climate Action Revenue Incentive Program (CARIP) Public Report as required by the Province of BC. The CARIP report summarizes actions taken in 2017 and proposed for 2018 to reduce corporate and community-wide energy consumption and greenhouse gas emissions (GHG) and reports on progress towards achieving carbon neutrality.

2017 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, centred) plays an especially important role in energy and GHG reduction.

Community-Wide Actions Taken in 2017	
	Ongoing review of the Official Community Plan (OCP).
Community-Wide Actions Proposed for 2018	
	Increase public engagement to gather input on the future of Penticton through the drafting of the revised Official Community Plan.
	Participate in Infrastructure Canada's Smart Cities Challenge to gain funding to help build a physically and mentally healthier, strongly-connected Penticton where everyone has access and opportunity to maximize their health potential.

Corporate Actions Taken in 2017	
	Hiring of a Community Sustainability Coordinator that focuses on solid waste reduction and climate action reporting.
	Continuation of Asset Management Program.
	Implement Capital Project Framework, which prioritizes capital projects based on six factors, including public health and safety, and environmental risk or enhancement.
Corporate Actions Proposed for 2018	
	Conduct utility rate review for water, electrical, sanitary sewer and agricultural water utilities. The goal of the review is to determine what the utility rates need to be in order to properly fund the operation of the utilities, sustain existing infrastructure and construct new projects

Broad Planning	
What is (are) your current GHG reduction target(s)?	5% overall community reduction in GHG emissions from 2007 levels by 2020 (This represents a 20% reduction per person). 10% overall community reduction in GHG emissions by 2030 (This represents a 35% reduction per person). Our Corporate reduction goals are to reduce GHG emissions by 20% by 2020.
Are you familiar with your community's community energy and emissions inventory (e.g. CEEI or another inventory)?	No
What plans, policies or guidelines govern the implementation of climate mitigation in your community?	No
<ul style="list-style-type: none"> • Community Energy and Emissions (CEE) Plan • Community- Wide Climate Action Plan • Integrated Community Sustainability Plan • Official Community Plan (OCP) • Regional Growth Strategy (RGS) • Do not have a plan • Other: 	Yes No No Yes Yes
Does your local government have a corporate GHG reduction plan?	Yes

2017 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.

Community-Wide Actions Taken in 2017	
	Continuation of the Home Energy Loan Program.
Community-Wide Actions Proposed for 2018	
	Promotion of Fortis BC's Rebate Program and energy efficiency practices for residents.
	Investigate feasibility of implementing the BC Energy Step Code as a requirement for all new buildings.

Corporate Actions Taken in 2017	
	New energy efficient cooling unit installed at Leir House.
	New energy efficient cooling unit installed at City Hall.
	Completed the designs for four (4) new HVAC units at Penticton Trade and Convention Centre. Construction to begin in 2018.
	Apply for Federal Gas Tax Fund to determine future of Memorial Arena, McLaren Arena, and for upgrades at the South Okanagan Events Centre.
Corporate Actions Proposed for 2018	
	Install four (4) new HVAC units at Penticton Trade and Convention Centre.
	Install two (2) new sets of double doors for the Community Centre. One set at the Bugaboo University entrance and one set at the Cleland Theatre entrance to enhance security and environmental control.
	Implement Direct Digital Control (DDC) system 'owners' at key facilities to manage DDC/HVAC system details for optimized building performance.

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	
Is your local government aware of the BC Energy Step Code?	Yes
Is your local government implementing the BC Energy Step Code?	Yes

2017 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.

Community-Wide Actions Taken in 2017	
	Continuation of the Home Energy Loan Program.
	Continuation of the Net Metering Program.

Community-Wide Actions Proposed for 2018	
	Continuation of the Home Energy Loan Program.
	Continuation of the Net Metering Program.

Corporate Actions Taken in 2017	
	Conduct feasibility study based on installing a smart grid system to: control the input power of a City PV system; control water levels for reservoirs for the water system; and to operate the Waste Water treatment facilities emergency generator during peak power periods to reduce the electrical demand for the municipal owned electrical utility.
	Conduct feasibility study on installing a PV system at City Hall and City Yards.
	Continuation of Voltage Conversion Program, increasing the distribution system from 8300 volts to 12,470 volts in order to increase overall energy efficiency.
Corporate Actions Proposed for 2018	
	Continuation of Voltage Conversion Program, increasing the distribution system from 8,300 volts to 12,470 volts in order to increase overall energy efficiency.
	Continuation of the feasibility study on installing a smart grid system to: control the input power of a City PV system; control water levels for reservoirs for the water system; and to operate the Waste Water treatment facility's emergency generator during peak power periods to reduce the electrical demand for the municipal owned electrical utility.
	Continuation of the feasibility study on installing a PV system at City Hall and City Yards.

Energy Generation	
Is your local government developing, or constructing:	
<ul style="list-style-type: none"> • A district energy system • A renewable energy system 	No No
Is your local government operating:	
<ul style="list-style-type: none"> • A district energy system • A renewable energy system 	No No
Is your local government connected to a district energy system that is operated by another energy provider?	No
Are you aware of the Integrated Resource Recovery guidance page on the BC Climate Action Toolkit ?	Yes

Are you familiar with the 2017 “List of Funding Opportunities for Clean Energy Projects Led by First Nations and Local Governments?”	Yes
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2017 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.

Community-Wide Actions Taken in 2017	
	Conducted Ellis Creek landscaping project, removing non-native plant species which were replaced with native plant species.
	Adopt the Penticton Creek Master Plan, which is focused on restoring fish habitat, providing flood protection, and to fix failing infrastructure.
	Ongoing - Acquire lands at strategic locations to improve opportunities at existing parks, to provide new recreation options in the community, and to improve connectivity between parks as part of the Parks and Recreation Master Plan.
	Construction of the Penticton Cycling Pump Track near KVR Trail for cycling skill development.
	Construction of BMX track adjacent to Munson Mountain.
Community-Wide Actions Proposed for 2018	
	Implementation of beach safety signage at Skaha Lake.
	Creation of the natural burial section at Lakeview Cemetery to reduce chemicals and foreign materials contaminating soils, while allowing an alternative for interment options.
	Participate in annual TD Tree Days, with a focus on planting native species in the riparian area along Penticton Creek between Nanaimo and Ellis.
	Planting of over 75 trees in parks, boulevards, and the 300 block of Main Street.

Corporate Actions Taken in 2017	
	Completed Phase 1 of the Urban Forest Strategy: Ongoing information gathering, including gathering GPS data on over 2200 trees.
	Replaced irrigation systems at one park and Lakeview cemetery to increase overall water efficiency.
	Encourage staff wellness by promoting discounted rates at the Adult Fitness Room and increasing rates for the Fitness Rebate Program.
	Ongoing - Support operational budgets for maintenance programs that benefit the environment: urban forest, tree watering, horticultural maintenance.
	Continuation of Integrated Pest Management (IPM) principles in all aspects of landscape management in an effort to minimize use of pesticides, via monitoring, threshold tolerance, and use of vinegars and soaps as control agents
	Installation of rain gardens along the 100 block of Main St. to reduce the load on the storm water

	system, while also filtering contaminants from the water
Corporate Actions Proposed for 2018	
	Planting of shrubs, 10 trees, and replacement of the irrigation system to increase water efficiency at Lakeview Cemetery.
	Continuation of Integrated Pest Management (IPM) principles in all aspects of landscape management in an effort to minimize use of pesticides, via monitoring, threshold tolerance, and use of vinegars and soaps as control agents
	Reinstall 95+ Treegator bags on unirrigated trees aged 4 years and under to reduce water consumption and to help ensure trees are resilient and reach maturity.
	Work with community partners OASIS and OSSS at riverside park to replant native species along the watercourse from Skaha Lake to the Retention Pond.
	Ongoing - Support operational budgets for maintenance programs that benefit the environment, including: urban forests, tree watering, horticultural maintenance.

Greenspace	
Does your local government have urban forest policies, plans or programs?	Yes
Does your local government have policies, plans or programs to support local food production?	Yes

2017 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.

Community-Wide Actions Taken in 2017	
	Continue to conduct curbside recycling and yard waste audits for single and multifamily residences to help identify common contaminants entering the solid waste stream.
	Increase educational campaign through various media (social media and internet, radio, newsprint and audits) focused on reducing common recycling contaminants and increasing recycling participation.
	Increase the number of recycling facilities in the downtown core, parks and recreation areas.
	City staff to conduct presentations at public events focused on recycling education and compliance.
	Submitted remediation plan to Recycle BC to lower the percentage of contaminants entering the recycle stream.
Community-Wide Actions Proposed for 2018	
	Ongoing - Increase the number of garbage and recycling facilities in the downtown core, parks and recreation areas.
	Ongoing - City staff to conduct presentations at public events focused on recycling education and compliance.
	Continue to conduct curbside recycling and yard waste audits for single and multifamily residences to help identify common contaminants entering the solid waste stream.

Corporate Actions Taken in 2017	
	Hired Community Sustainability Coordinator to focus on solid waste and improving overall garbage, recycle and yard waste best practices.
	Developed Solid Waste Collection RFP that favoured innovative technologies and low emission vehicles.
	Hired a student Recycle Ambassador for multifamily recycling audits and to create educational videos focused on recycling compliance.
Corporate Actions Proposed for 2018	
	Hire two student Recycle Ambassadors to conduct public education on best recycling practices through attending community events and targeted recycling audits of single family and multifamily dwellings.
	Procurement department to investigate feasibility of limiting the purchases of single-use plastics, contributing to overall waste reduction.
	Develop RFP to review all options for managing waste water solids. Alternatives and upgrades to the current composting system will be evaluated based on financial, environmental, and social impacts.

Solid Waste	
Does your local government have construction and demolition waste reduction policies, plans or programs?	No
Does your local government have organics reduction/diversion policies, plans or programs?	No

2017 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, ridesharing, and public transit, can contribute to reductions in greenhouse gas emissions and more livable communities.

Community -Wide Actions Taken in 2017	
	Supported BC transit for expanded routes and working towards bus route connecting Penticton and Kelowna, increasing transit connections throughout the Okanagan Valley.

Community-Wide Actions Proposed for 2018	
	Conduct maintenance on existing photovoltaic panels and batteries at bus stops to ensure lights and panels are working and efficient.
	Apply for the Rick Hansen/BC Accessibility Grant Program to investigate the accessibility of existing pathways and parks (KVR Trail, Penticton Creek Pathway, and TransCanada Trail).
	Install historic informational signage at the KVR trail.

Corporate Actions Taken in 2017	
	Promotion of Bike to Work Week and Carpool Month.
	Replacing of 12 aging vehicles in fleet for new and more fuel efficient units.
	Investigated feasibility of opting in to a recycled coolant program.
	Route planning through GPS to maximize travel efficiency.
	Investigated the feasibility of single engine sweepers to maximize fuel efficiency.
Corporate Actions Proposed for 2018	
	Purchase two hybrid electric vehicles for the building department.
	Ongoing – Investigate the feasibility of single engine sweepers to maximize fuel efficiency.
	Ongoing – Create reports within the GPS system to promote good driving habits and maximize route efficiency.
	Ongoing – Replacing aging vehicles with new fuel efficient units.
	Ongoing – Explore future aerial truck requirements to possibly utilize hybrid operation of the aerial device.

Transportation	
Does your local government have policies, plans or programs to support:	
• Walking	Yes
• Cycling	Yes
• Transit Use	Yes
• Electric Vehicle Use	Yes
• Other (please specify)	
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 behavior)?	No
Does your local government integrate its transportation and land use planning?	yes

2017 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 greenhouse gas emissions.

Community-Wide Actions Taken in 2017	
	Extended Stage 1 Water Restrictions in response to the Level 3 Drought Rating declared for the Okanagan by the British Columbia Government.
	Develop Phase I of the Drought Management Plan, which is a technical assessment of the water system with the goal of mitigating the risk of water supply shortage and support future water use planning.
Community-Wide Actions Proposed for 2018	
	Continuation of Phase I & II of the Drought Management Plan, which focuses on six technical assessments: water system profile; evaluation of economic impacts of drought; inter-annual upland reservoir refill variability; drought forecasting procedures; risk of multi-year drought; and definition of drought stages and responses.

Corporate Actions Taken in 2017	
	Installed new pumping technology on the Dissolved Air Flotation process, increasing energy savings and decreasing chemical (Polymer) use.
	Increased capacity for treated effluent re-use: this will allow for more sites to be irrigated by treated effluent.
	Upgrade Carmi Reservoir from 1,140 cubic meters to 2,440 cubic meters to provide enhanced fire protection and address the current storage deficiency.
Corporate Actions Proposed for 2018	
	Purchase and install a second high speed turbo blower, contributing to decreased energy use.
	Proactively replace aging sanitary sewer infrastructure in order to maintain and avoid significant failures that could impact water service.
	Evaluate storm water infrastructure funding to ensure maintenance and operational costs are accounted for.
	Ongoing - Upgrade Carmi Reservoir from 1,140 cubic meters to 2,440 cubic meters to provide enhanced fire protection and while addressing the current storage deficiency.

Water Conservation	
Does your local government have water conservation policies, plans or programs?	Yes

2017 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.

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 • Changes to temperature and precipitation causing seasonal drought • Heatwaves impacting population health • Increased temperatures increasing wildfire activity • Increased temperatures affecting air quality • Changing temperatures influencing species migration and ecosystem shifts • Extreme weather events contributing to urban and overland flooding • Sea level rise and storms causing coastal flooding and/or erosion 	
Other:	

In 2017 has your local government addressed the impacts of a changing climate using any of the following?	
Risk and Vulnerability Assessments	Yes
Risk Reduction Strategies	Yes
Emergency response planning	Yes
Asset management	Yes
Natural/Eco asset management strategies	Yes
Infrastructure upgrades (e.g. storm water system upgrades)	Yes
Beach Nourishment projects	Yes
Economic diversification initiatives	No
Strategic and financial planning	No
Cross-department working groups	Yes
OCP policy changes	Yes
Changes to zoning and other bylaws and regulations	Yes

Incentives for property owner (e.g. reducing storm water run-off)	Yes
Public education and awareness	Yes
Research	Yes
Mapping	Yes
Partnerships	Yes
Other:	

Climate Change Adaptation Actions Taken in 2017	
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.	
	Adopt the Penticton Creek Master Plan, which is focused on restoring fish habitat, providing flood protection, and to fix failing infrastructure.
	Hired a full time Community Sustainability Coordinator in a permanent position to focus on solid waste initiatives and to fulfill climate action reporting obligations.
Climate Change Adaptation Actions Proposed for 2018	
	Ongoing – Implement creek revitalization as part of the Penticton Creek Master Plan. Creek revitalization will provide increased flood protection while restoring the creek to a more natural state.
	Remove accumulated material from Ellis and Penticton creeks and add additional rock armouring for erosion protection.
	Repair damage sustained during 2017 flooding along Okanagan Lake waterfront, and install additional rock armouring to protect the area from further erosion and damage.
For more information please contact:	

Corporate Actions Taken in 2017	
Corporate Actions Proposed for 2017	

Other	
Are you familiar with the Community Lifecycle Infrastructure Costing Tool (CLIC) ?	Yes
Have you used CLIC?	Yes

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 repeat 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 raising their profile through applications to [CEA’s Climate and Energy Action Awards](#), [UBCM Climate and Energy Action Award](#), [FCM Sustainable Communities Awards](#) or through submissions to [FCM’s National Measures Report](#).

Community-Wide Action

The City of Penticton submitted an application to the Smart Cities Challenge. The overview of Penticton’s submission is as follows:

“We will build a physically & mentally healthier, strongly-connected Penticton where each person has access and opportunity to maximize their health potential. Community and individual well-being is influenced by social, cultural, economic and environmental factors and good health is key to a flourishing and prosperous community. This is the fundamental principle behind our Challenge Statement.

We believe that through data and open technology we can make a meaningful impact on the social determinants of health, strengthen ties between residents and promote good physical and mental health for our citizens.

To achieve this, we have identified seven bold, ambitious, meaningful projects that will build on existing technologies and leverage community talent to transform health in our community. Our projects fall under two categories: Community Connections and Transportation/Mobility. The former addresses projects that enable Penticton’s community to find the resources, information, and individuals that will help them reach their maximum health potential and improve key social determinants of health. The latter seeks to create a holistic transportation approach that will encourage people to be more active in the community and use alternative modes of transport to engage in the community and more easily connect to services needed.”

For more information contact: Jennifer Vincent, Economic Development Specialist.

www.smartcitiespenticton.com

<https://www.shapeyourcitypenticton.ca/smart-cities-penticton>

Corporate Action

Penticton Creek Master Plan and Revitalization:

Penticton Creek flood protection measures are a core piece of our City’s safety infrastructure and the Creek itself is an important cultural amenity. However the channel infrastructure in the Creek has deteriorated and is causing sudden and expensive maintenance challenges for City operations. We have a plan that will create a safe, healthy creek for years to come. We can provide the required flood protection while restoring the creek to a more natural state. Our plan employs today’s best practices and our community’s expertise to provide a high level of protection from flooding. The new design will return Penticton Creek to a productive waterway for Kokanee, Rainbow Trout and other native species. The benefit of this approach also allows us to access funds from conservation and habitat agencies to carry out our infrastructure restoration.

For more information contact: Ian Chapman, City Engineer

<http://www.penticton.ca/EN/main/community/penticton-creek-master-plan.html>

<https://www.shapeyourcitypenticton.ca/penticton-creek>

<https://soscp.org/penticton-creek-master-plan-story/>

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.

Mitigation

Programs and Funding
Please contact David Kassian, Community Sustainability Coordinator, for more information. david.kassian@penticton.ca

Adaptation

Programs and Funding
Please contact David Kassian, Community Sustainability Coordinator, for more information. david.kassian@penticton.ca

2017 CARBON NEUTRAL REPORTING

Local governments are required to report on their progress in achieving their carbon neutral goal under the 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 [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 greenhouse gas (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

Did you measure your local government's corporate GHG emissions in 2017?	Yes
If your local government measured 2017 corporate GHG emissions, please report the number of corporate GHG emissions (in tonnes of carbon dioxide equivalent) from services delivered <u>directly</u> by your local government:	1,831.22 tCO ₂ e
If your local government measured 2017 corporate GHG emissions, please report the number of corporate GHG emissions (in tonnes of carbon dioxide equivalent) from <u>contracted</u> services:	59.29 tCO ₂ e
TOTAL A: CORPORATE GHG EMISSIONS FOR 2017	1,890.51 tCO₂e

Reporting Reductions and Offsets

To be carbon neutral, a local government must balance their TOTAL corporate GHG emissions generated in 2017 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

If applicable, please report the 2017 GHG emissions reductions (in tonnes of carbon dioxide equivalent (tCO₂e)) being claimed from Option 1 GHG Reduction Projects:

OPTION 1 PROJECTS	REDUCTIONS
Energy Efficient Retrofits	
Solar Thermal	
Household Organic Waste Composting	
Low Emission Vehicles	
Avoided Forest Conversion	2,697 tCO ₂ e (508 tCO ₂ e from 2017, 2189 tCO ₂ e carried over from 2016).
TOTAL B: REDUCTIONS FROM OPTION 1 PROJECTS FOR 2017	2,697 tCO₂e

If applicable, please report the names and 2017 GHG emissions reductions (in tonnes of carbon dioxide equivalent (tCO₂e)) being claimed from Option 2 GHG Reduction Projects:

OPTION 2 PROJECT NAME	REDUCTIONS
TOTAL C: REDUCTIONS FROM OPTION 2 PROJECTS FOR 2017	tCO2e

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 2017 reporting year:

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

OFFSET PROVIDER NAME	OFFSETS
TOTAL D: OFFSETS PURCHASED FOR 2017	tCO2e

TOTAL REDUCTIONS AND OFFSETS FOR 2017 (Total B+C+D) = 2697 tCO2e

Corporate GHG Emissions Balance for 2017

Your local government's Corporate GHG Emissions Balance is the difference between total corporate 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 2017 = (A – (B+C+D)) = -807 tCO2e

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

CONGRATULATIONS!

If applicable, please record any emissions reductions you will be carrying over for future years and the source of the emissions reductions, including the year they were earned (E.g., Organics diversion, 2016 100 tCO2e).

SOURCE OF CARRY OVER EMISSION REDUCTIONS (and year earned)	REDUCTIONS
Avoided Forest Conversion (Three Blind Mice, 2016)	807 tCO2e
BALANCE OF REDUCTIONS ELIGIBLE FOR CARRY OVER TO NEXT YEAR	807 tCO2e

Carbon Neutral Reporting	
Does your local government have a climate reserve fund or something similar?	Yes

GCC CLIMATE ACTION RECOGNITION PROGRAM

Green Communities Committee (GCC) 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 (i.e: 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.

For purposes of 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 or financial resources and is intended to result in significant GHG reductions:

PROJECT NAME:

Based on your local government's 2017 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	