# Climate Action Revenue Incentive (CARIP) Public Report for 2017

**Local Government: Regional District of North Okanagan** 

**Report Submitted by** 

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The Regional District of the North Okanagan 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 Solid Waste Management Plan (SWMP) Update 2017 – Draft: suggests waste disposal is centralized at one facility, self-haul is reduced as much as possible and organics are diverted from disposal to greatest extent possible. Participation in the Climate Action Initiative (Okanagan- BC Agriculture & Climate Change Regional Adaptation Strategy). Community-Wide Actions Proposed for 2018 Ensure Minister of Environment & Climate Change Strategy approves the SWMP Update 2017. Ongoing work on the 5-Year Review of the RGS including analysis and update of GHG reduction targets and inclusion of a Climate Change Adaptation section.

Coı	Corporate Actions Taken in 2017	
Coi	rporate Actions Proposed for 2018	
	Discuss Climate Change Adaption in all major infrastructure and planning decisions made at the corporate level.	
	Continue to seek direction from the Board of Directors on future actions with respect to achieving carbon neutrality.	

Broad Planning	
What is (are) your current GHG reduction target(s)?	Overall RDNO target per RGS: 15% by 2020 & 25% by 2030. Each Electoral area includes the following reduction targets, from 2007 levels, in their OCPs: Area "B": 20% by 2020 Area "C": 10% by 2020 Area "D": 25% by 2030 Area "E": 25% by 2030 Area "F": 15% by 2020 & 26% by 2030

Are you familiar with your community's community energy and emissions inventory (e.g. CEEI or another inventory)?	
What plans, policies or guidelines govern the implementation of climate mitigation in your	
community?	
Community Energy and Emissions (CEE) Plan	No
Community- Wide Climate Action Plan	No
Integrated Community Sustainability Plan	No
Official Community Plan (OCP)	Yes
Regional Growth Strategy (RGS)	Yes
Do not have a plan	
Other:	No
Does your local government have a corporate GHG reduction plan?	No

# **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.

Coı	Community-Wide Actions Taken in 2017	
	Replaced roof on Boys and Girls Club. Improved insulation will save energy & money.	
	Continued to provide construction & demolition waste management information with Building	
	Permit application forms.	
Coı	Community-Wide Actions Proposed for 2018	
	Replace existing lights at Boys and Girls Club with energy efficient lighting.	
	Replacing single-pane windows at Boys and Girls Club with double pane.	
	Replace stage lighting at Vernon and District Performing Arts Centre with energy efficient lighting.	
	Boiler replacement (energy efficient) at Vernon and District Performing Arts Centre.	
	Boiler and large HVAC unit replacement at Boys and Girls Club (energy efficiency improvement).	
	Replacement of chiller at Pat Duke Arena with more efficient one.	

Co	Corporate Actions Taken in 2017	
	Replace 4 existing HID wall packs with LED Classic Wall packs using existing circuits.	
	Replace 2 existing HID parking lot pole lights with new LED pole lights using existing controls,	
	circuits and poles.	
	Replace 2 existing HID canopy lights with new LED canopy lights.	
	Replace existing Halogen lamps in pot lights with LED Par 30 lamps.	

Corporate Actions Proposed for 2018		
	Renovate old vacant office buildings to use for staff offices.	
	Install solar 20 film on east and south side of the main office building to reduce heat transfer	
	(reduce the need for AC).	

### **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 Cost?	Yes
Is your local government implementing the BC Energy Step Code?	Not Yet

#### **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.

Coi	Community-Wide Actions Taken in 2017		
Coi	Community-Wide Actions Proposed for 2018		

Coi	Corporate Actions Taken in 2017		
	Greater Vernon Recycling and Disposal Facility (GVRDF) landfill gas captured and flared (339		
	tonnes methane destroyed in 2017).		
	Negotiated Memorandum of Understanding with FortisBC Energy Inc to conduct a feasibility		
	study on utilizing the landfill gas collected at the GVRDF (converting to Renewable Natural Gas).		
Coi	Corporate Actions Proposed for 2018		
	Conduct feasibility study with FortisBC Energy Inc. to utilize landfill gas generated at the GVRDF.		
	Feasibility study to determine cost and benefits of actively collecting landfill gas generated at the		
	Armstrong/Spallumcheen Recycling and Disposal Facility (ASRDF).		

Energy Generation	
Is your local government developing, or constructing:	
A district energy system	No
A renewable energy system	No
Is your local government operating:	
A district energy system	No
A renewable energy system	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 <u>BC Climate</u> <u>Action Toolkit</u> ?	Yes
Are you familiar with the 2017 "List of Funding Opportunities for Clean Energy Projects Led by First Nations and Local Governments?"	No

# **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.

Coı	Community-Wide Actions Taken in 2017	
	Hosted the Adopt-a-Park/Trail and Adopt-a-stream programs.	
	Installed interpretive signs at key greenspace sites (grassland park & lake foreshore).	
	Provided land and programming resources for three community gardens.	
	Purchased the North Okanagan-Shuswap Rail Trail- 43 km section of decommissioned railway	
	from Armstrong to Sicamous.	
	Completed construction of Phase 1 Okanagan Rail Trial.	
	Provided funding of \$9000 for North Okanagan Parks and Natural Areas Trust (NOPNAT) to	
	facilitate the Trust's work in protecting natural environment areas through use of covenants and	
	other mechanisms.	
	Provided additional funding to NOPNAT to establish a specific conservation covenant to protect	
	environmentally sensitive land in the BX area.	
	Acquired in total 20 km of trail extensions in the Greater Vernon Area.	
Coı	mmunity-Wide Actions Proposed for 2018	
	Host the Adopt-a-Park/Trail and Adopt-a-Stream programs.	
	Installation of interpretive signs at key greenspace sites.	
	Continue to provide land and programming resources for three community gardens.	
	Preliminary discussion regarding the use and service levels to be established on the North	
	Okanagan- Shuswap Rail Trail. (43 km decommissioned railway from Armstrong to Sicamous).	

Begin construction of Phase 2 (amenities) of the Okanagan Rail Trial.

Will provide funding of \$9000 for North Okanagan Parks and Natural Areas Trust (NOPNAT) to facilitate the Trust's work in protecting natural environment areas through use of covenants and other mechanisms.

Coi	Corporate Actions Taken in 2017		
	Continued to work on the Grizzly Rec Site with MFLNRO to improve management of the area and		
	protect the watershed from pollution (fencing and exclusion zones).		
	Installed water meters on park irrigation systems.		
Coi	Corporate Actions Proposed for 2018		
	Continue to install water meters on park irrigation systems.		

Greenspace	
Does your local government have urban forest policies, plans or programs?	No
Does your local government have policies, plans or programs to support local food	Yes
production?	

# **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.

Coi	Community-Wide Actions Taken in 2017		
	Ongoing oversight of Eco-Depot (Household Hazardous Waste [HHW] collection facility).		
	Continued backyard composter rebate program.		
	Continued free drop off of yard waste year round at all RDFs.		
	Ongoing production of 'rdno-gro' compost and free give away of the product at the Regional Yard		
	Waste Composting Facility (at the GVRDF).		
	Significantly lower tipping fees to promote segregation of wood, logs and stumps at all RDFs		
	(clean and dirty wood waste is chipped and used in combination with soil for landfill cover		
	material).		
	Completed GVRDF, ASRDF and Lumby Recycling and Disposal Facility (LRDF) Design, Operating		
	and Closure Plan Updates as per the Provinces updated Landfill Criteria for Municipal Solid		
	Waste.		
	Started update of the regional Solid Waste Management Plan.		
Coi	Community-Wide Actions Proposed for 2018		

Complete update of regional Solid Waste Management Plan with focus on organics diversion
from disposal and reduction of self hauling.
Revise acceptance procedures for demolition, construction and renovation waste, particularly to
focus on drywall containing asbestos.
Ongoing oversight of HHW Eco-Depot.
Ongoing diversion of yard waste from disposal (through year round free drop off and production
of 'rdno-gro' compost.
In cooperation with other regional districts and the co-gen industry, develop a program to divert
all clean wood (cut ends, pallets, etc) from disposal and use as cover material.

Coi	Corporate Actions Taken in 2017		
	Finalized the landfill gas migration investigation report for the east side of the ASRDF and applied		
	for a Gas Tax Grant to construct a landfill gas management system and close the unlined north		
	half of the site (Phase 1 Closure).		
	Phase 1 Landfill Closure Design completed for the ASRDF.		
Coi	Corporate Actions Proposed for 2018		
	Conduct feasibility study and design for landfill gas migration mitigation at the ASRDF (Gas Tax		
	Grant not received).		
	Improve yard waste drop off and 'rdno-gro' pickup area at the GVRDF.		

Solid Waste	
Does your local government have construction and demolition waste reduction policies, plans or programs?	Yes
Does your local government have organics reduction/diversion policies, plans or programs?	Yes

# **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.

Coi	Community -Wide Actions Taken in 2017	
	Free public transit on Clean Air Day (Environment Week).	
	Expansion of service hours for the UBCO Connector (#90) approved.	
	Fare Review completed.	
Coi	Community-Wide Actions Proposed for 2018	

Start increased service hours for UBCO Connector in April (new 4 trips on Saturdays and
additional 4 trips during summer weekdays).
Review minor changes to routing for the #60 (Armstrong/Enderby)and #61(Lumby) to increase
convenience and therefore ridership.
Improved fare options to be implemented in April.
Free public transit on Clean Air Day (part of Environment week in June).
Continue to work on the planning & preparation for Rail Trial use (50 km of decommissioned rail
corridor).

Co	Corporate Actions Taken in 2017		
Co	Corporate Actions Proposed for 2018		

Transportation	
Does your local government have policies, plans or programs to support:	
Walking	Yes
Cycling	Yes
Transit Use	Yes
Electric Vehicle Use	No
Other (please specify)	No
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.

Coi	Community-Wide Actions Taken in 2017		
	Ongoing use of rain garden in Polson Park as demonstration project.		
	Water conservation rate structure to encourage efficient water use.		
	Promotion of water conservation and protection of watersheds as a part of events such as Earth		
	Day, Environment Week, Sunshine Festival, Canada Day, Children's Water Festival, Farmers		
	Markets, Respect Fest/Rivers Day. Engaged with over 1100 people.		
	Presented water conservation information to Elementary & Secondary schools via staff in-class		
	presentations and tours of Duteau Creek Water Treatment Plant/Mission Hill Water Treatment		
	Plant. Over 300 children engaged with.		

Customer education program on year-round water use restrictions, leak reduction awareness via advertising, discussing water conservation with customers asking about their high water bills.

Water meter replacement/remote reading program continues (2015-2020). Initiated leak flagging program – software flags large leaks and emails daily report to staff who can contact the customer.

Continued participation in Make Water Work Program – Okanagan Basin-Wide conservation outreach program to educate public on benefits of efficient water use.

Duteau Creek Watershed & Kalamalka Lake Watershed Assessment Response Plan Technical Advisory Committees continue to meet twice annually with stakeholders to review progress on response actions.

Adopt-A-Stream Program.

Agricultural Water Conservation – Improve communications through pilot project (sending water supply text/email alerts) and promote educational materials developed from feedback re. 2015 drought. Continue customer education on tools to reduce agricultural water demand. Increased enforcement of water metering requirements and flow rate limitations.

#### **Community-Wide Actions Proposed for 2018**

Continue programs listed above.

Improve leak flagging program – develop customer contact protocol, information package. Monitor flags and assess patterns.

Investigate Yellow Fish Road Program to expand scope of Adopt-a-Stream Program.

#### **Corporate Actions Taken in 2017**

System Audit to improve leakage/unaccounted for water losses.

Installed weather station at reservoirs.

Master Water Plan approved by RDNO Board - 40 year utility master plan.

Implemented Drought Management Plan and reviewed environmental flow needs monitoring program in relation to drought and reservoir operations.

Kalamalka Lake Watershed Vulnerability Mapping Project to map risks to water quality & quantity.

Summer staff position delivered the watershed education program and assisted in managing the Xerindipity Waterwise Demonstration Garden.

Emergency Response Planning including staff drills.

#### **Corporate Actions Proposed for 2018**

Implement new corporate data tracking software – Tempest, Itron - to improve metered water consumption data.

Continue to improve auditing program via data validation.

Continue to assess water supply patterns (reservoir levels, snowpack, precipitation, groundwater levels).

Review Drought Communications Plan.

Continue reservoir operations assessment to reduce water losses, monitor environmental flow needs for fisheries.

#### **Water Conservation**

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.		
Warmer winter temperatures reducing snowpack		
Changes to temperature and precipitation causing seasonal drought	Yes	
Heatwaves impacting population health		
<ul> <li>Increased temperatures increasing wildfire activity</li> </ul>	Yes	
Increased temperatures affecting air quality		
<ul> <li>Changing temperatures influencing species migration and ecosystem shifts</li> <li>Extreme weather events contributing to urban and overland flooding</li> </ul>	Yes	
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	No
Natural/Eco asset management strategies	No
Infrastructure upgrades (e.g. storm water system upgrades)	Yes
Beach Nourishment projects	No
Economic diversification initiatives	Yes
Strategic and financial planning	No
Cross-department working groups	No
OCP policy changes	Yes
Changes to zoning and other bylaws and regulations	Yes
Incentives for property owner (e.g. reducing storm water run-off)	No
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

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.

Agricultural Adaptation Plan & Projects <a href="https://www.bcagclimateaction.ca/regional/okanagan-thompson/">https://www.bcagclimateaction.ca/regional/okanagan-thompson/</a>

#### **Climate Change Adaptation Actions Proposed for 2018**

Disaster (flood, fire, etc) Debris Management Plan to be developed in cooperation with member municipalities and Electoral Areas.

Inclusion of a Climate Adaptation Section in the Regional Growth Strategy.

Workshop on Climate Change North Okanagan and what it means 2050's and 2080's projections.

#### For more information please contact:

Laura.Frank@rdno.ca

The following are key resources that may be helpful to your local government in	
identifying climate impacts, as well as, strategies, actions and funding to deal with	
them. For those resources that you have used, please indicate whether they were	
useful in advancing your work in climate change adaptation?	
Indicators of Climate Change for British Columbia, 2016	Haven't Used
<u>Plan2Adapt</u>	Haven't Used
Climate Projections for Metro Vancouver	Haven't Used
Climate Projections for the Capital Region	Haven't Used
Climate Projections for the Cowichan Valley Regional District	Haven't Used
Province of BC's BC Adapts Video Series	Haven't Used
Preparing for Climate Change: An Implementation Guide for Local Governments	Useful
The Public Infrastructure and Engineering Vulnerability Committee's (PIEVC) protocol	Haven't Used
<u>Sea Level Rise Primer</u>	Haven't Used
BC Regional Adaptation Collaborative Webinars	Haven't Used
www.ReTooling.ca	Haven't Used
Water Balance Model	N/A (use our own in house tool)
The Water Conservation Calculator	Haven't Used
Funding:	
National Disaster Mitigation Program (NDMP)	Not yet but plan to
Community Emergency Preparedness Fund (CEPF)	Useful
Municipalities for Climate Innovation Program (MCIP)	Haven't Used
Climate Adaptation Partner Grants (FCM)	Not yet but plan to
Infrastructure Planning Grants (MAH)	Useful
Federal Gas Tax Fund	Useful
Other:	

# **2017 OTHER CLIMATE ACTIONS**

# **Other Climate Actions**

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

Co	mmunity-Wide Actions Taken in 2017		
Co	Community-Wide Actions Proposed for 2017		

Co	rporate Actions Taken in 2017		
Co	Corporate Actions Proposed for 2017		

Other	
Are you familiar with the Community Lifecycle Infrastructure Costing Tool (CLIC)?	Yes
Have you used CLIC?	No

#### INNOVATION AND PEER-TO-PEER LEARNING

#### **Innovation**

This section provides the opportunity to showcase an innovative Corporate and/or Community-Wide GHG reduction and/or climate change adaptation activity that your local government has undertaken and that has had, or has the potential to have, a significant impact. You are welcome to 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 <u>CEA's Climate and Energy Action Awards</u>, <u>UBCM Climate and Energy Action Awards</u>, <u>FCM Sustainable Communities Awards</u> or through submissions to <u>FCM's National Measures</u> Report.

#### **Community-Wide Action**

Drought Management Plan was recognized by the Okanagan Basin Water Board (OBWB) as a useful tool for other utilities and adopted it as a template for the Okanagan Basin. The OBWB is now working with various communities to implement the template.

For more information contact: Jennifer Miles, Greater Vernon Water / RDNO

#### **Corporate Action**

For more information contact:

#### **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**

Okanagan Basin Water Board – Drought Management Planning, Vulnerability Mapping BC Hydro Power Smart Incentives / Program

Gas Tax- Community Works Fund

UBCM Gas Tax Regionally Significant Projects Grant

#### **Adaptation**

#### **Programs and Funding**

BC Climate Action Initiative – Farm Water Management Tool Kit pilot program, Agriculture Drought Alerts communication pilot program

Okanagan Basin water Board

# **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 <u>Becoming Carbon Neutral: A Guide for Local Governments in British Columbia.</u>

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	483	
the number of corporate GHG emissions (in tonnes of carbon dioxide equivalent)		
from services delivered <u>directly</u> by your local government:		
If your local government measured 2017 corporate GHG emissions, please report	164	
the number of corporate GHG emissions (in tonnes of carbon dioxide equivalent)		
from <u>contracted</u> services:		
TOTAL A: CORPORATE GHG EMISSIONS FOR 2017	647	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	
TOTAL B: REDUCTIONS FROM OPTION 1 PROJECTS FOR 2017	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	) =	tCO26

#### **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)) = 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
BALANCE OF REDUCTIONS ELIGIBLE FOR CARRY OVER TO NEXT YEAR	tCO2e

Carbon Neutral Reporting	
Does your local government have a climate reserve fund or something similar?	Yes/No

#### 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:

Level 1 – Demonstrating Progress on Charter Commitments	
Level 2 – Measuring GHG Emissions	<b>✓</b>
Level 3 – Accelerating Progress on Charter Commitments	
Level 4 - Achievement of Carbon Neutrality	
Not Sure	