

Climate Action Revenue Incentive (CARIP) Public Report for 2018



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The Town of Smithers has completed the 2018 Climate Action Revenue Incentive Program (CARIP) Public Report as required by the Province of BC. The CARIP report summarizes actions taken in 2018 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.

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2018 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, and centered) plays an especially important role in energy and GHG reduction.

Community-Wide Actions Taken in 2018	
	Referred to the Community Energy and Emissions Plan to guide reduction initiatives. Referred to the Official Community Plan to guide future growth and land use
	Continued to implement Council's strategic priorities, which included investing in renewable energy systems, increased energy efficiency of current assets and implementing community energy initiatives.
	Implementation of the Revitalization Tax Exemption Bylaw to increase mixed-use development and density in the downtown core, thus reducing GHG emissions by reducing vehicle dependency.
	Contractor engaged for the Active Transportation Plan.
Community-Wide Actions Proposed for 2019	
	Refer to the Community Energy and Emissions Plan to guide reduction initiatives. Refer to the Official Community Plan to guide future growth and land use.
	Implement new Council strategic priorities, which are focussed on economy, community livability, environmental responsibility, relationship with the Wet'suwet'en, asset management, organizational effectiveness.
	Intake of new applications for the Revitalization Tax Exemption, implemented to increase mixed-use development in the downtown.
	Continue to engage and consult with the community on planning-related projects.
	Complete the Active Transportation Plan with community engagement and input. Engagement to include an Ideas Fair to be held in late spring.

Corporate Actions Taken in 2018	
	Continued to implement recommendations from the 2012 Corporate Energy Emissions Reduction Plan.
	Used SMARTtool to measure, track and report on corporate emissions.
	Referred to the Age-Friendly Assessment and Action Plan as the basis for accessibility improvements.
Corporate Actions Proposed for 2019	
	Continue to implement recommendations from the 2012 Corporate Energy Emissions Reduction Plan
	Use the Age-Friendly Assessment and Action Plan as the basis for accessibility improvements.
	Use to the completed Active Transportation for developments, OCP updates, and infrastructure upgrades.
	Implementation of the new BC Building code promoting efficient building standards reducing energy loss.

Broad Planning	
What is (are) your current GHG reduction target(s)?	The official Community Plan has a visionary GHG reduction target for the purpose of complying with the Local Government Act and Climate Change Action Charter commitments. Policy states: Establishing a baseline at 2007 emission levels, the Town of Smithers strives to achieve a Community Greenhouse Gas Reduction Target of 13% by 2018.
Are you familiar with your community's community energy and emissions inventory (e.g. CEEI or another inventory)?	Yes
What plans, policies or guidelines govern the implementation of climate mitigation in your community? <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 Yes Yes No
Does your local government have a corporate GHG reduction plan?	Yes

2018 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 streetlights and lights in parks or other public spaces.

Community-Wide Actions Taken in 2018	
	Continued to use the Facilities Maintenance Plan to guide Town building improvements.
	Used the 2016 Age-Friendly Assessment and Action Plan to guide all Town Building accessibility improvements/modifications
	19-unit affordable housing project designed and built to Passive House standard.
	Provided passive house information session and tours held spring 2018.
	2 new developments using the updated LED standard lighting for all overhead lighting installations.
	Mandatory upgrade to 2018 BC Building Code.
Community-Wide Actions Proposed for 2019	
	Continue to use the Facilities Maintenance Plan to guide Town building improvements.
	Continue Smithers Storefront Spruce Up Program Grant includes a new component for accessibility improvements, to help make Smithers a more walkable vibrant community.
	Presentations to Council and Public on the upcoming BC STEP Code initiative.
	Continue to use the 2016 Age-Friendly Assessment and Action Plan to guide all Town Building accessibility improvements/modifications
Corporate Actions Taken in 2018	
	Geo-Field installed at the Airport for ground-source district heating. Provided improved building efficiency and upgrades to heating and ventilation systems, results in reduced emissions at the Airport Terminal. Additionally includes high performance building envelope and LED Lighting.
	Installation of new furnace for the LB Warner Centre's Community Gymnastics Building based on results of the 2018 feasibility study. Installation included ability to install further efficiencies.
	Construction of new Fire Department Storage building which included solar panel installation reducing natural resource utilization.
	Council initiated as part of the Conceptual Phase of the new Library/Art Gallery for the building to be based on BC Energy Step Code 5 or Passive House standards.
Corporate Actions Proposed for 2019	
	Continue to use the Facilities Maintenance Plan to guide Town building improvements, and incorporate energy considerations into the evaluation of all building improvement projects.
	Replacement of inefficient furnace and conduct energy modelling at Town Hall Facility. At direction of Council, report on alternative heating systems when scheduling furnace replacements at the Town Hall
	Heat reclamation feasibility study to increase efficiency between Ice Rink and Regional District Pool.

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?	No

2018 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 2018	
	Developed and marketed for 2018 rebates for wood appliance recycling and upgrade program.
Community-Wide Actions Proposed for 2019	
	In conjunction with the BV Airshed Management Society, the Town of Smithers is offering a Cash rebate for wood appliance recycling and upgrades
	Marketing for 2019 rebates for wood appliance recycling and upgrade program.

Corporate Actions Taken in 2018	
	Geo-Field installed at the Airport for ground-source district heating. Provided improved building efficiency and upgrades to heating and ventilation systems, results in reduced emissions at the Airport Terminal. Additionally includes high performance building envelope and LED Lighting.
	Construction of Firehall Storage Building Project including solar panel installation.
Corporate Actions Proposed for 2019	
	Staff will be providing report on Renewable Energy options for the 2020 budget.

Energy Generation	
Is your local government developing, or constructing:	
• A district energy system	Yes
• 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 BC Climate Action Toolkit ?	Yes
Are you familiar with the 2018 " List of Funding Opportunities for Clean Energy Projects Led by First Nations and Local Governments? "	Yes

2018 GREENSPACE/NATURAL RESOURCE PROTECTION ACTIONS

Greenspace/Natural Resource Protection 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 2018	
	Completed concept design and business case of Library/Art Gallery project, involving moving building location to existing library site. Greenspace, walkways and cenotaph included as part of the design. The new facility would incorporate passive house or energy code step 5 design standards.
	Completed the Downtown Landscape Redesign project plan, preparing for the succession of the existing Main Street trees, landscape infrastructure, and foster a pedestrian oriented streetscape of higher density mixed use development.
Community-Wide Actions Proposed for 2019	
	Complete phase 1 (one intersection) of the Downtown Landscape Revitalization plan, including new landscape infrastructure, trees, shrubs, perennials, and irrigation.
	Perimeter trail upgrades as part of promoting active lifestyles and accessibility to park space.

Corporate Actions Taken in 2018	
	Continued to jointly hold the Community Forest Tenure with the Village of Telkwa.
	Developed parkland to include an accessible gravel trail to wetlands viewpoint, and reseeded landscaping with local seeding.
Corporate Actions Proposed for 2019	
	Continue to improve the accessibility of our greenspaces by following the Age-Friendly Action Plan Priorities.
	Continue to jointly hold the Community Forest Tenure with the Village of Telkwa.
	Purchase a Structure Protection Unit Trailer for Fire Department to be used as an additional protection unit for structures and the environment.
	Proposed completion of Chandler Park field 1 and 3.
	Continue to be open to community partnerships that improve our parks and public spaces.

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? - Community Gardens, back yard hen keeping	Yes

2018 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 2018	
	Continued to provide recycling information and educational material to the community.
	Provided the Recycle Coach App for a quick find resource on waste and recycling information and collection.
Community-Wide Actions Proposed for 2019	
	Continue to provide recycling information and educational material to the community
	Continue to provide the Recycle Coach App for a quick find resource on waste and recycling information and collection.

Corporate Actions Taken in 2018	
	Continued promotion of a community composting facility at the public works yard.
	Removal of contaminated soil materials and site remediation on a Town owned site.
Corporate Actions Proposed for 2019	
	New Bylaw to address solid waste collection management and curbside recycling contamination reduction.
	Continue promotion of a community composting facility at the public works yard.
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

2018 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 2018	
	Participated in 2018 bike to work week, providing educational programming and safety, safety gear distribution and exchanges.
	Funding partner in Smithers and District Transit System.
	Addition of 1 transit bus stop within town limits designed and installed by the BC Ministry of Transportation.
	Curb cuts and sidewalk repairs and improvements, based on recommendations of Age Friendly Assessment and Action Plan.
	Increased documented community use of Level 2 Electric Vehicle Charging Station installed at the Second Avenue Parking Lot in 2018.
Community-Wide Actions Proposed for 2019	
	Continue to be a Funding partner in the Smithers and District Transit System.
	Participation in 2019 Bike to Work Week, and support public education with providing educational programming and safety, safety gear distribution and exchanges.
	Funded through a BC Rural Dividend Fund, the Town will develop an Active Transportation Plan by hiring a consultant. The plan will become part of the OCP, and will become a strategic priority to encourage and facilitate active transportation, including walking and bicycling.
	Continue sidewalk repairs and connectivity.
	Continue to provide community access to the Level 2 Electric Vehicle Charging Station.

Corporate Actions Taken in 2018	
	Continued to replace corporate fleet in accordance with Vehicle Purchasing Policy ADM-020, which considers emissions, life cycle costs, efficiencies and environmental impact.
	Provided cycling information and safety sessions with Grade 3 youth of the Bulkley Valley as part of the annual Bike Rodeo, held in spring.
	Developed partnership with Community Energy Association providing information sessions to the community and various groups around Electric Vehicles, charging stations and accessibility to stations in the North.
	Involvement in Telkwa/Smithers Bike Trail initiated and lead by Cycle 16 Trail Society.
	Continued to provide and maintain two bicycles for staff use during business hours.
Corporate Actions Proposed for 2019	
	Continue to replace corporate fleet in accordance with Vehicle Purchasing Policy ADM-020, which considers emissions, life cycle costs, efficiencies and environmental impact
	Voluntary use of Reduction of Volatile Organic Compound Emissions in the use of Emulsified Asphalt for Road Maintenance Program.
	Collaboration with BC Hydro on possible DC Fast Charge station installation for 2020.
	Collaboration with Community Energy Association on a Level 2 Charging Station as part of the Charge North Rural EV Network Grant.

	Development of an Active Transportation Plan to incorporate into the OCP, including a bicycle network plan, pedestrian plan and improvement of HWY 16 intersections.
	Provide cycling information and safety sessions with grade 3 youth of the community as part of the annual Bike Rodeo, in spring. For 2019 the Town plans to add young adult cycle safety programming through a collaboration with 4-H.
	Continue involvement in the Telkwa/Smithers Bike Trail as lead by Cycle 16 Trail Society.
	Continue to provide and maintain two bicycles for staff use during business hours.

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

2018 WATER AND WASTEWATER ACTIONS

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 2018	
	Continued to educate property owners and residents about water conservation.
Community-Wide Actions Proposed for 2019	
	Continue to educate property owners and residents about water conservation.
Corporate Actions Taken in 2018	
	Encourage commercial businesses to install water meters, required for building permits.
	Repaired a 60m section of water main that had frequent breaks and water leaks.
	Completed water main looping project to minimize stagnant water sections within the water main, decreasing water main flushing within the area.
	Initiated asset management plan for storm, sanitary, and water mains for long term planning and maintenance of the Town Infrastructure system. To be used as a proactive measure to replace infrastructure prior to damage or degradation.
Corporate Actions Proposed for 2019	
	Encourage commercial businesses to install water meters, required for building permits.
	Improvement of a storm sewer outfall to minimize erosion of daylighting drainage system.
	Complete asset management plan for storm, sanitary, and water mains for long term planning and maintenance of the Town Infrastructure system. To be used as a proactive measure to replace infrastructure prior to damage or degradation.
Water Conservation	
Does your local government have water conservation policies, plans or programs?	Yes

2018 CLIMATE CHANGE ADAPTATION ACTIONS

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 	<p>X</p> <p>X</p> <p>X</p>
Other:	
In 2018 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	No
Economic diversification initiatives	Yes
Strategic and financial planning	Yes
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 2018	
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.	
	Completion of Rosenthal Hill Road shoulder repairs required due to climate change, high intensity rain storm

	Hired a consultant to recommend specific requirements that the Town may impose during the Environmental Development Permit or Building Permit process regarding Development within a Floodplain, as it pertains to the Smithers Fairgrounds.
	Hired a consultant to complete an asset management plan. As part of the asset management plan, it highlighted to consideration climate change for upgrading pipes structures.
Climate Change Adaptation Actions Proposed for 2019	
	Hired a consultant to complete an asset management plan. As part of the asset management plan, it highlighted to consideration climate change for upgrading pipes structures.
For more information please contact:	

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 Plan2Adapt Climate Projections for Metro Vancouver Climate Projections for the Capital Region Climate Projections for the Cowichan Valley Regional District Province of BC's BC Adapts Video Series Preparing for Climate Change: An Implementation Guide for Local Governments The Public Infrastructure and Engineering Vulnerability Committee's (PIEVC) protocol Sea Level Rise Primer BC Regional Adaptation Collaborative Webinars www.ReTooling.ca Water Balance Model The Water Conservation Calculator Funding: National Disaster Mitigation Program (NDMP) Community Emergency Preparedness Fund (CEPF) Municipalities for Climate Innovation Program (MCIP) Climate Adaptation Partner Grants (FCM) Infrastructure Planning Grants (MAH) Federal Gas Tax Fund	Haven't Used Haven't Used Haven't Used Haven't Used Haven't Used Haven't Used Useful Haven't Used Not Useful Haven't Used Haven't Used Useful Haven't Used Haven't Used Useful Haven't Used Haven't Used Useful Useful
Other:	

2018 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.

Community-Wide Actions Taken in 2018	
<input type="checkbox"/>	
Community-Wide Actions Proposed for 2019	
<input type="checkbox"/>	
Corporate Actions Taken in 2018	
<input type="checkbox"/>	
Corporate Actions Proposed for 2019	
<input type="checkbox"/>	Explore options for generating renewable energy for existing and new Town facilities. To be reported on by staff for 2020 budgeting.
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 and Peer-to-Peer Learning

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
<ul style="list-style-type: none">• Installation and collaboration with energy groups to install accessible community electric vehicle charging stations.
Corporate Action
<ul style="list-style-type: none">• The Smithers Airport Modernization Project creates and elevated standard of sustainable development• Promotion of Passive House and Energy Step Code 5 standards, including community and Council engagement.

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
<ul style="list-style-type: none">• Smithers Downtown Façade Improvement program with funding from Northern Initiative Trust• Rural Dividend Fund for proposed Active Transportation Plan, and perimeter trial upgrades• FCM grant for Municipal Asset Management Plan

Adaptation

Programs and Funding

2018 CARBON NEUTRAL REPORTING

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 2018?	Yes
If your local government measured 2018 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:	490
If your local government measured 2018 corporate GHG emissions, please report the number of corporate GHG emissions (in tonnes of carbon dioxide equivalent) from <u>contracted</u> services:	
TOTAL A: CORPORATE GHG EMISSIONS FOR 2018	490 tCO₂e

Reporting Reductions and Offsets

To be carbon neutral, a local government must balance their TOTAL corporate GHG emissions generated in 2018 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 2018 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 2018	tCO2e

If applicable, please report the names and 201 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 2018	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 2018 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 2018	tCO2e

TOTAL REDUCTIONS AND OFFSETS FOR 2018 (Total B+C+D) = 490 tCO2e

Corporate GHG Emissions Balance for 2018

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 2018 = (A – (B+C+D)) = 490 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, 2018 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

GCC CLIMATE ACTION RECOGNITION PROGRAM

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, 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 NAMES:

- **Installation of a geo-field at the Airport for ground source heating:** Part of the current \$9M Airport Terminal modernization project. That, plus improved building efficiency and upgrades to the heating and ventilations systems within the Airport terminal, is estimated to reduce future Co² Emissions at the Airport Terminal by approximately 48%.
- **Design concept for the new Library/Art Gallery:** Will be based on BC Energy Step Code 5 or Passive House standards.
- **Renewable energy options for Town owned Facilities:** Council has asked staff to provide a report for the 2020 budget on these options.

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:

<input type="checkbox"/>	Level 1 – Demonstrating Progress on Charter Commitments	
<input type="checkbox"/>	Level 2 – Measuring GHG Emissions	
<input checked="" type="checkbox"/>	Level 3 – Accelerating Progress on Charter Commitments	X
<input type="checkbox"/>	Level 4 - Achievement of Carbon Neutrality	
<input type="checkbox"/>	Not Sure	