



SQUAMISH

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Climate Action Revenue Incentive (CARIP) Public Report for 2016



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Local Government: District of Squamish

Report Submitted by:

Name: Katherine Brandon

Role: Sustainability Coordinator

Email: kbrandon@squamish.ca

Phone: 604.815.5004

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The District of Squamish has completed the 2016 Climate Action Revenue Incentive Program (CARIP) Public Report as required by the Province of BC. The CARIP report summarizes actions taken in 2016 and proposed for 2017 to reduce corporate and community-wide energy consumption and greenhouse gas emissions (GHG) and reports on progress towards achieving carbon neutrality.

Climate Action Revenue Incentive (CARIP) Public Report for 2016

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2016 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 2016	
	<p>The District of Squamish continues in the process of updating its Official Community Plan (OCP) and is currently in Phase 3: Drafting the plan and review.</p> <p>The OCP strives to implement Smart Growth principles through land development and redevelopment opportunities. Climate change mitigation and adaptation are also a strong focus of this update.</p>
	<p>Within the update of the OCP Squamish addresses climate change with an objective to reduce carbon. To achieve our target of reducing Green House Gas (GHG) emissions to 80% below 2007 levels by 2050, while preparing for climate impacts.</p> <p>To support this objective and goal Squamish will:</p> <ul style="list-style-type: none"> • Encourage compact land use patterns that support complete community nodes, infill, a diversity of transportation options and a greater mix of land uses. • Emphasize active transportation and public transit as an essential part of the District transportation and land use network by implementing the Active Transportation Plan (2016). • Ensure high employment density areas are easily accessed by active transportation and transit networks. • Advance options for encouraging, incentivizing or mandating energy efficiency practices in the design and construction of buildings.
	<p>The Community Carbon Market Place initiated the first phase of identifying opportunities within the community to develop a market place. The development of this tool in Squamish will provide incentive to reduce greenhouse gases across the community.</p>
Community-Wide Actions Proposed for 2017	
	<p>The implementation of Community Carbon Market Place will not only allow the District of Squamish to become carbon neutral and foster carbon reduction within the local economy but also allow opportunity for external buyers to purchase offsets within the market place.</p>
	<p>There are plans to 'green' the Subdivision and Development Control Bylaw. Objectives are to promote active transportation, reduce water consumption and improve storm water quality.</p>
	<p>A new Building Bylaw will require using the Provincial Step Code to achieve a goal of Net Zero houses by 2032.</p>

Corporate Actions Taken in 2016	
	Phase 1 and 2 of the OCP were completed: 1.) Visioning and Big ideas 2.) Emerging and Directions
Corporate Actions Proposed for 2017	
	Phase 3 and 4 of the OCP to be completed: 3.) Drafting the plan and review 4.) Finalizing the plan and approvals
	Become Carbon Neutral and retroactively become carbon neutral for previous years once Community Carbon Market Place is running by purchasing local offsets.

Broad Planning		
What is (are) your current GHG reduction target(s)?	<p>(Please provide details here) The District of Squamish's current Official Community Plan outlines greenhouse gas reduction actions & targets. These reduction actions and targets are currently being reviewed as part of Official Community Plan update (2016).</p> <p>The current targets are available here: https://squamish.civicweb.net/filepro/documents/52352</p>	
Has your local government used the Community Energy and Emissions Inventory (CEEI) to measure progress?		Yes/No
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 • Climate Action Plan • Integrated Community Sustainability Plan • Official Community Plan (OCP) • Regional Growth Strategy (RGS) • Do not have a plan • Other: 	Yes/No Yes/No Yes/No Yes/No Yes/No Yes/No Yes/No
Does your local government have a corporate GHG reduction plan?		Yes/No
Does your local government have a climate reserve fund or something similar?		Yes/No

2016 BUILDINGS 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 2016	
	In an effort to reduce energy consumption, variable frequency drives were added to sanitary pump stations to reduce pump starts and optimize efficiency within the system.
	Continued investment in Scada (automation system) for all infrastructures to optimize efficiency and performance.
	Upgraded the digital controls for the ice arena dehumidifier to improve efficiency and have it work only when needed.
	Installation of LED lights along the Corridor Trail continued from 2015 providing light along the popular active transportation route. In addition to the led bulbs a timer system further reduces the lights late in the night when the trail is used less frequently.
	Replaced a gas hot water tank that was no longer working with an electric tank at the fire hall.
	Replaced the existing 30 year old gas furnace for the arena dressing rooms with on demand electric heaters activated by motion sensors.
	Replaced existing light fixtures in the Brennan Park Auditorium with the ceiling removal project with LED fixtures saving an estimated 0.3 tonnes of GHG per year.
Community-Wide Actions Proposed for 2017	
	Continue to seek opportunities within existing infrastructure to reduce energy use and create efficiencies when possible.
	Continue to look for lighting upgrade and control opportunities.

Corporate Actions Taken in 2016	
	<p>Upgrades made to the digital controls for the arena dehumidifier to improve efficiency and have it operate only as necessary. Water for the ice re-surfacer was heated with a hot water boiler. This was replaced with a cold water system called Real Ice that will result in estimated savings of 28 tonnes of GHG per year.</p> <p>Anticipated savings will result due to:</p> <ul style="list-style-type: none"> • Omitting hot water use • Reduced energy used in ice cooling process as hot water will not be used in resurfacing process • Reduced energy now that the de-humidifier is not required <p>The 27 years old arena slab has been replaced as part of the cooling efficiency upgrade.</p>
Corporate Actions Proposed for 2017	
	Collaborative work with BC hydro to change the voltage on the old sanitary lift stations from 230v 3PH to 600v 3PH which improves efficiency, reduces electricity, improves performance of the pumps and reduces the impact of pump starts on the BC Hydro grid.
	Upgrades to existing lighting and the installation of dimmers to reduce energy consumption up to 30% during the middle of the night and motion sensors for existing operations to further reduce energy consumption.
	Continue to facilitate a staff education programme.
	Replacing exterior building and car park lights with LED options at waste water treatment plant.

2016 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 2016	
	Feasibility of Mashiter Creek Run of the River Project was assessed and determined to not be a viable option at this time.
Community-Wide Actions Proposed for 2017	
	Continually seeking opportunity for new energy generating projects.

Corporate Actions Taken in 2016	
	First year to pilot hydrogen fuel cel batteries with solar lights for remote infrastructure away from the grid in the community.
Corporate Actions Proposed for 2017	
	Planning requires new buildings to have capacity in their mechanical rooms to be able to adapt to a district energy system in the future.

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

2016 GREENSPACE/ NATURAL RESOURCE PROTECTION

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 2016	
	The "River Estuary Education Program" was delivered by the Squamish River Watershed Society and continued into another successful season which included attendance by local students throughout Squamish.
	Squamish Climate Action Network (CAN) has continued success with community participation and operates three community gardens, two in the heart of downtown (corner of Cleveland Ave. & Main St., and corner of 2nd Ave & Main St.), and one in the Garibaldi Highlands (corner of Hwy 99 and Mamquam Rd.)
Community-Wide Actions Proposed for 2017	
	The updated Official Community Plan has designated increased District Green Space and allocated sensitive areas to reduce development of sensitive habitats and to maintain green spaces within the community.
	SHIM (Sensitive Habitat Inventory and Mapping) will be conducted to provide more detailed mapping throughout areas in the community.

Corporate Actions Taken in 2016	
	The District of Squamish has worked alongside several projects which propose remediation of contaminated sites.
	Riparian and wetlands were identified in closer detail and mapped.
Corporate Actions Proposed for 2017	
	<ul style="list-style-type: none"> • Environmentally Sensitive Areas (ESA) Mapping to be completed in 2017 • Sensitive Habitat Inventory Mapping (SHIM) will be continue into 2017 • The District will continue work to restore disturbed riparian areas on District land. As part of the OCP process and update the Site Alteration Bylaw has been rewritten and will be revised and implemented with stakeholder engagement
	Increased staffing has been allocated to monitor tree and soil movement within community to reduce unauthorized works and ensure best management practices are upheld.
	A trees and soils bylaw will be developed
	An invasive species bylaw will be developed

Greenspace	
Does your local government have urban forest policies, plans or programs?	<u>Yes/No</u>

2016 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 2016	
	The Zero Waste Strategy is an integrated plan that not only designates the use of land but will also address waste segregation on a community wide scope to move the land fill vertically to reduce impact and contamination of land.
	Sewer Use Bylaw, this bylaw was updated in 2016. The new bylaw restricts the use of food waste disposers which reduces potable water consumption and energy use.
	An assessment was conducted to determine how much and what type of waste are produced in Squamish to assist with managing waste 'Zero Waste Strategy'.
	Zero Waste Strategy was approved which included public engagement, surveys, industry consultation, innovation and lessons learned from other communities who are striving for zero waste.
	Zero Waste Strategy will continue into 2018.
	3 hand drying units replaced paper towel in public infrastructure buildings, to reduce paper towel use
	Segregated waste stations were purchased for community event use and 2 community composters were also implemented into the community garden program.
Community-Wide Actions Proposed for 2017	
	Zero Waste Strategy will unfold this year with 4 priorities: Priority No. 1 – Implement an Organics Disposal Ban Priority No. 2 – Ensure Recycling and Organics Diversion Programs and Services are Available and Convenient for Everyone at Home, at Work and on the Go Priority No. 3 – Institute Construction and Demolition Waste Diversion Guidelines Priority No.4 – Promote Waste Minimization

Corporate Actions Taken in 2016	
	Zero Waste Strategy development
Corporate Actions Proposed for 2017	
	Establish a formal District corporate waste reduction program for corporate activities and facilities to ensure key waste reduction and diversion programs are in place by facility type (e.g., parks, library, offices, operations and works yard, fire station, city hall, etc.)
	Develop performance measures to track progress by facility subset as fittings; for example, for public facing facilities garbage generation can be tracked per visitor while offices would have a per employee metric. <ul style="list-style-type: none"> Monitor through visual audits and periodic more comprehensive waste characterization studies to assess contamination and capture; continue to adjust operational systems to

	<p>optimize the user experience and refine behaviour change programs accordingly.</p> <ul style="list-style-type: none"> Address procurement policies as part of the plan to actively promote waste minimization through reuse, and seek recycled-content items to displace virgin material use and reduce carbon footprint
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Solid Waste	
Does your local government have construction and demolition waste reduction policies, plans or programs?	<u>Yes/No</u>
Does your local government have organics reduction/diversion policies, plans or programs?	<u>Yes/No</u>

2016 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 2016	
	Community wide participation in Bike to Work Week BC
	Completed Active Transportation Plan
	Safe routes to school created with maps
	Various improvements to infrastructure: <ul style="list-style-type: none"> • Bus stop upgrades and new bus shelters improvements throughout community • Additions and improvements to sidewalks • 18 bike racks distributed throughout the community
Community-Wide Actions Proposed for 2017	
	Continued participation in Bike to Work Week BC with a focus on increased enrolment and community participation.
	Side walk plough purchased to keep sidewalks and paths clear of snow for pedestrians during snowy conditions
	Subdivision and Development Bylaw streetscapes friendly for bikes and pedestrians
	Buildings require space for bike storage
	Traffic impact assessments for future planning and needs
	Continued work on safe routes to school created with maps
	12 additional bikes racks to installed around community
	Transit expansion including increased service on Sundays and increased service of existing routes.

Corporate Actions Taken in 2016	
	Truck route study reviewed efficiency and good movement and future improvements
	Participation in Bike to Work Week BC
	District working with Province, BC Transit, other local government and First Nations in Developing a regional transit sytem.
Corporate Actions Proposed for 2017	
	New bike storage constructed at city hall to accommodate and encourage biking to work
	Continued participation in Bike to Work Week BC and opportunity to increase enrollment
	Continued work and support for the Regional Transportation Plan
	An ebike pilot project will be implemented
Transportation	
Does your local government have policies, plans or programs to support:	
• Walking	<u>Yes/No</u>
• Cycling	<u>Yes/No</u>
• Transit Use	<u>Yes/No</u>
• Electric Vehicle Use	<u>Yes/No</u>

<ul style="list-style-type: none"> Other (please specify) 	Yes/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)?	Yes/ <u>No</u>
Does your local government have policies, plans or programs to support local food production (thus reducing transportation emissions)?	<u>Yes/No</u>

2016 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 2016	
	Completed Mashiter Run of River Hydroelectric project feasibility study investigating feasibility of a community owned renewable energy project, which resulted not to be a project worth pursuing at this time.
	Successful District of Squamish Rain Barrel Sales to community to encourage use in home and garden use
	Water meters were installed on Industrial, Commercial and Institutional as well as multi-family residential properties to reduce water consumption and subsequent energy for pumping/treatment.
	Improvements were also made to regulations to enforce land owners to correct stormwater cross connections to the sewer system which will reduce stormwater inflow and infiltration and subsequent energy for pumping/treatment.
Community-Wide Actions Proposed for 2017	
	Continued Rain Barrel Sales at competitive rate through the District of Squamish to encourage community use of collected rainwater for yard and landscape use.
	Continued water education to be provided by district across community to reduce water use, with a specific focus on landscape and lawn watering.
Corporate Actions Taken in 2016	
	Completed Squamish River Pressure Zone Management Study investigating the ability to reduce pressure in Squamish's largest pressure zone. This will reduce water leakage and unexpected breaks resulting in reduced water consumption and subsequent pumping/treatment costs.
	Water infrastructure upgrades – The District has and will continue to replace aging water mains to reduce leakage and subsequent water loss. This reduces energy consumption associated with water pumping and treatment. Current scheduling estimates are to replace 2.5km in 2017.
	Sewer inflow and infiltration reduction – The District has CCTV'ed the entire sewer network to determine sources of inflow and infiltration. Based on this investigation we have prepared a targeted repair and rehabilitation program that will reduce stormwater inflow to the sewer system which ultimately reduces sewage pumping and treatment costs.
Corporate Actions Proposed for 2017	
	The District of Squamish will initiate an Integrated Stormwater Management Plan in 2017 that will look at how to improve stormwater quality within the watershed and incorporate best asset management practices.
	Liquid Waste Management Plan implementation – we are completing wastewater treatment plant upgrades in accordance with the LWMP using innovative technology called Moving Bed Bioreactor that allows for increasing the capacity of the plant without increasing the footprint. This will reduce carbon emissions associated with construction.
	The District of Squamish will complete the Sewer Master Plan in 2017 that will determine the most cost effective means of collecting and conveying sewage throughout the District. Recommendations will include the potential of abandoning pump stations through the installation of gravity sewers to reduce energy consumption associated with pumping.
Water Conservation	
Does your local government have water conservation policies, plans or programs?	Yes/No

2016 CLIMATE CHANGE ADAPTATION ACTIONS

Climate Change Adaptation Actions

For local governments, adaptation to a changing climate can take the form of changes in policy, management, technology and behaviour that minimize negative impacts or exploit opportunities. It can involve both “hard” and “soft” solutions, including: changes in infrastructure engineering, planning, zoning, bylaws, and public education.

Climate Change Adaptation Actions Taken in 2016	
Development of SquamishAlert is an emergency notification system that enables the District of Squamish to communicate important information quickly in the event of emergencies.	
<ul style="list-style-type: none"> Community preparedness and partnership with SLRD, Squamish Nation and BC Hydro System tested biannually to ensure working properly An evacuation plan was established for the event of an emergency 	
The Integrated Flood Hazard Management Plan was approved	
Climate Change Adaptation Actions Proposed for 2017	
The Integrated Flood Hazard Management Plan is an incorporated climate change adaptation including mitigation planning and land use planning to reduce community risk associated with increased storm intensity and sea level rise. The land use plans include protection of environmentally sensitive, high hazard areas such as primary river corridors. We have also incorporated innovative technology for future sea diking to incorporate ‘Green Shores’ techniques for softening our shorelines.	
Resources you have used to support climate change adaptation (e.g. Plan2Adapt , Preparing for Climate Change: Implementation Guide)	
In 2016 did you consider climate change impacts in any of the following areas? (check if yes)	
Risk reduction strategies	<u>Yes/No</u>
Risk and Vulnerability assessment	<u>Yes/No</u>
Asset management	<u>Yes/No</u>
Infrastructure upgrades (e.g. stormwater system upgrades)	<u>Yes/No</u>
Cross-department working groups	<u>Yes/No</u>
Emergency response planning	<u>Yes/No</u>
Land-use policy changes (eg. OCP, DPA)	<u>Yes/No</u>
Economic diversification initiatives	<u>Yes/No</u>
Ecosystem-based approaches (incl. shorelines)	<u>Yes/No</u>
Incentives (e.g. property owner reducing stormwater run-off)	<u>Yes/No</u>
Public education and awareness	<u>Yes/No</u>
Research (e.g. mapping, participation in studies)	<u>Yes/No</u>
Other (Please Identify):	

2016 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 2016	
	Climate Action Network utilized the first of three phases for the Mamquam Edible School Yard Project (MESY). This includes 30 raised beds, a garden shed, vertical garden, water taps, friendship benches, pollinator hotel, pollinator garden and a “Bee to Seed” pollination and seed saving/sale program
Community-Wide Actions Proposed for 2017	
	Climate Action Network will be fundraising and implementing phase two of their community gardening program consisting of an Outdoor Classroom and Indigenous/Multicultural Food Garden; allowing for educators (Squamish CAN and Mamquam School) to have an interdisciplinary approach and hands-on learning opportunities for their students and community members. Included in the structure will be a rain water catchment system, solar panels, and multi-functional infrastructure for flexible usership.
	Other Climate Action Network include: <ul style="list-style-type: none"> • Updating local food producer directory • Continued food workshops • Reuse it fair: annual event to off load or gain items instead of throwing items away and other buying new items • Repair café: Opportunity for public to have items repaired to prevent disposal of items • Eco home hope: tour will allow participants to visit a handful of beautiful homes in town to see some of the innovative building practices that are being applied locally for both retrofits and new builds. Features include rain water harvesting, passive solar design, attention to building envelope and more

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

INNOVATION AND PEER-TO-PEER LEARNING

Innovation

This section provides the opportunity to showcase an innovative Corporate and/or Community-Wide GHG reduction or climate change adaptation activity that your local government has undertaken and that has had or has the potential to have a significant impact. 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.

Community-Wide Innovative Action

The Community Carbon Market Place will work to reduce Green House Gases through partnership with the community and business to reduce emissions and sell offsets as an incentive or have the ability to buy offsets locally.

Corporate Innovative Action

The Community Carbon Market Place is supported through the District and offsets will be purchased from local courses in the future to achieve carbon neutrality.

2016 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 survey, please ensure that you are familiar with guidance available on the B.C. Climate Action Toolkit website, especially *Becoming Carbon Neutral: A Guide for Local Governments in British Columbia*.

Reporting Emissions

Did you measure your local government's corporate GHG emissions in 2016?	<u>Yes/No</u>
If your local government measured 2016 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:	1222tCO2e
If your local government measured 2016 corporate GHG emissions, please report the number of corporate GHG emissions (in tonnes of carbon dioxide equivalent) from <u>contracted</u> services:	167tCO2e
TOTAL A: CORPORATE GHG EMISSIONS FOR 2016	1389tCO2e

Reporting Reductions and Offsets

To be carbon neutral, a local government must balance their TOTAL corporate GHG emissions by one or a combination of the following actions:

- undertake GCC-supported Option 1 Projects
- undertake GCC-supported Option 2 Projects (community GHG emissions reduction projects that meet project eligibility requirements)
- purchase carbon offsets from a credible offset provider

If applicable, please report the 2016 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	765.7tCO2e

Low Emission Vehicles	
Avoided Forest Conversion	
TOTAL B: REDUCTIONS FROM OPTION 1 PROJECTS FOR 2016	765.7 tCO2e

If applicable, please report the names and 2016 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 2016	tCO2e

If applicable, please report the number of offsets purchased (in tonnes of carbon dioxide equivalent (tCO2e)) from an offset provider for the 2016 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 2016	tCO2e

TOTAL REDUCTIONS AND OFFSETS FOR 2016 (Total B+C+D) = 765.7tCO2e

Corporate GHG Emissions Balance for 2016

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 2016 = (A – (B+C+D)) = 623.3tCO₂e

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

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.

This year a new recognition level has been added – **Level 3: Accelerating Progress on Charter Commitments**–. 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 the Community Energy and Emissions Inventory (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 (ie: 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:
The Community Carbon Market Place

Based on your local government's 2016 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	Level 3
<input type="checkbox"/>	Level 4 - Achievement of Carbon Neutrality	
<input type="checkbox"/>	Not Sure	