

### Climate Action Revenue Incentive (CARIP) Public Report for 2018

**Local Government:** 

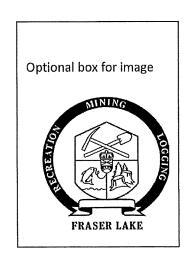
Village of Fraser Lake

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Phone: 250 699-6257

Date: May 16, 2019



The Village of Fraser Lake 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 2019 to reduce corporate and community-wide energy consumption and greenhouse gas emissions (GHG) and reports on progress towards achieving carbon neutrality.

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

QE	5 + Q 7 Community-Wide Broad Planning Actions Taken in 2018 + Additional Actions
	In 2017/2018 the Village of Fraser Lake completed our update of our Official Community Plan.
	Our OCP seeks to reduce greenhouse gas emissions in a manner that promotes and secures the
	Village's long-term economic future, the environment and ensures the negative affects of climate
	change are minimized.
Q٤	3 Community-Wide Broad Planning Actions Proposed for 2019
	The Village has worked with the Regional District Bulkley Nechako in their review of their Solid
	Waste Management Plan review. Our Village is working with the RDBN to improve opportunities
	to recycle a broader range of materials in our community; metal, plastic, glass, paper, cardboard
Q	9 + Q 10 Corporate Broad Planning Actions Taken in 2018 + Additional Actions
	The Village completed a two-year review and planning process related to wastewater
10000	and the state of t

# The Village completed a two-year review and planning process related to wastewater management. To protect our environment, the Village explored possibilities for alternative use of wastewater; rather than discharge into our lake. An engineering study and design was completed for a 4<sup>th</sup> wastewater lagoon to ensure we can contain all materials entering our wastewater treatment facility. This ensures all materials discharged from the facility have been treated completely and they meet regulatory requirements. Q11 Corporate Broad Planning Actions Proposed for 2019 The Village replaced the Arena Ammonia Ice Plant condenser. In doing so, we installed a closed loop glycol cooling system. This cooling system significantly reduces the water consumption at our arena; which was previous a one pass system where filtered drinking water ran through the Ice Plant to cool the system and then flushed into the sewer system.



[ <u>- 22 - 24 ]</u>		
Broad Planning		
Q 12 What is (are) your current GHG reduction target(s)?	(Please provide details here)  The Village has accepted the Province's GHG emission tail 2030, 2040 and 2050 as our visionary targets.	rgets for
Q 13 Are you familiar with your local government's community energy and emissions inventory (e.g. <u>CEEI</u> or another inventory)?		
Q 14 What plans, policies or gin your community?  • Community Energy ar	guidelines govern the implementation of climate mitigation and Emissions Plan	Yes/No

# Community- Wide Climate Action Plan Official Community Plan Regional Growth Strategy Do not have a plan Yes/No Yes/No Yes/No

Other:

Q 15 Does your local government have a corporate GHG reduction plan?

#### **2018 BUILDING AND LIGHTING ACTIONS**

Integrated Community Sustainability Plan

#### **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.

Q 16 + Q 17 Community-Wide Building and Lighting Actions Taken in 2018 + Additional Actions	
Na.	
No. 10	
Q 18 Co	mmunity-Wide Building and Lighting Actions Proposed for 2019

Yes/No

No



	Conduct of Energy Audit. Heating efficiency of the NG furnaces in the Public Works shop and Fire Hall were identified as highly inefficient. Around 45 – 50%. Both were replaced with 92%
	efficient units. Insulation and draft reduction was also added.
$\mathbf{Q}$	21 Corporate Building and Lighting Actions Proposed for 2019
	Conduct of Energy Audit. The metal halide exterior lighting on our Arena and Visitor Centre were
	identified as high consumers of electrical energy. These lights were replaced by LED.

Building and Lighting	
The Province has committed to taking incremental steps to increase energy-ef	ficiency requirements in
the BC Building Code to make buildings net-zero energy ready by 2032. The BC part of the BC Building Codesupports that effort	Energy Step Codea
Q 22 Is your local government aware of the <u>BC Energy Step Code</u> ?	Yes
Q 23 Is your local government implementing the BC Energy Step Code?	No

#### **P5 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.

#### Q 24 + Q 25 Community-Wide Energy Generation Actions Taken in 2018 + Additional Actions

Our Village has worked with Fraser Lake Sawmill and an area contractor to identify alternative methods of utilizing low grade fibre from our Community Forest once the Community Forest becomes operational. This fibre will be used for bio mass electricity generation or for bio mass home heating (wood pellets)



Notes to		
$\frac{1}{2}$	 26 Community-Wide Energy Generation Actions Proposed for 2019	
<u>u</u> 2	20 Confidently-Wide Chergy Generation Actions (10) 2023	
Q 2	27 + Q 28 Corporate Energy Generation Actions Taken in 2018 + Additional Action	ns
	Our Village has worked with an independent contactor to design and plan for the	e installation of a
	solar voltaic system on the Fraser Lake Arena. This facility is one of our most en	ergy consumptive
	buildings. This installation will significantly reduce dependence on grid supplied	electricity. Net
	zero is the anticipated outcome of this installation. It is also believed; this instal	lation will provide
	leadership to the community for other alternative energy projects.	
Q 2	29 Corporate Energy Generation Actions Proposed for 2019	
MAN		
135		
	nergy Generation 30 Is your local government developing, or constructing a	
Ψ,	district energy system	No
	<ul> <li>renewable energy system</li> </ul>	Yes
	none of the above	
0	31 Is your local government operating a	
~	district energy system	No
	renewable energy system	No
	none of the above	



Q 32 Is your local government connected to a district energy system that is operated by another energy provider?	No
Q 33 Are you familiar with the 2018 <u>List of Funding Opportunities for Clean Energy Projects</u>	Yes
Led by First Nations and Local Governments?	200000

#### 2018 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.

QE	34 + Q 36 Community-Wide Greenspace Actions Taken in 2018 + Additional Actions (Q 35 below Q
41)	
	The Village of Fraser Lake has spent the last four years developing a Community Forest. The values of this Community Forest include management of the watershed, wildlife habitat, improved use of low-grade fibre, wildfire mitigation and recreation. We anticipate this will be operational in July 2019.
Q 3	37 Community-Wide Greenspace Actions Proposed for 2019

Q 3	8 + Q 39 Corporate Greenspace Actions Taken in 2018 + Additional Actions
	Our Village maintains significant greenspace through three parks and Village Reserve lands. The reserve lands are more than 300 treed acres that support recreation through walking trails and hiking trails.
244	
Q 4	O Corporate Greenspace Actions Proposed for 2019



Greenspace	
Q 41 Does your local government have urban forest policies, plans or programs?	No
Q 35. Does your local government have policies, plans or programs to support local food	No
production?	

#### **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.

Q 4	2 + Q 43 Community-Wide Solid Waste Actions Taken in 2018 + Additional Actions
	The Village maintains a community compost area where organic waste, lawn clippings, kitchen waste and branches to 2 inches can be dropped off. Our Village stirs compostable materials and manages wood waste.
Q 4	4 Community-Wide Solid Waste Actions Proposed for 2019
	Solid Waste management and recycling is the responsibility of the Regional District Bulkley Nechako. The Village vehicle assigned a staff member to participate on the solid waste management plan advisory committee. We have offered land and staff support for a recycle
	depot in Fraser Lake. This is still in the works.
1000	

Q 45 + Q 46 Corporate Solid Waste Actions Taken in 2018 + Additional Actions		
	Our Village supports recycling. We recycle paper, cardboard, bottles and returnable containers,	
	photocopier toners, etc.	



(C. 3.2) (C. 3.2)	
Q 47 Corporate Solid Waste Actions Proposed for 2019	
15 15 15 15 15 15 15 15 15 15 15 15 15 1	

Solid Waste	
Q 48 Does your local government have construction and demolition waste reduction policies, plans or programs?	No
Q 49 Does your local government have organics reduction/diversion policies, plans or programs?	Yes

#### **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 and public transit, can contribute to reductions in GHG emissions and more livable communities.

Q 5	0 + Q 51 Community-Wide Transportation Actions Taken in 2018 + Additional Actions
	Our Village supports public transit through subsidy of the Highway 16 Transit bus. We also maintain a Community Vehicle public transit system. Our community Vehicle serves residents within the municipal boundary, the rural residents of Area D – RDBN and the residents of two First Nations Communities; Stellat'en and Nadleh Whut'en. We don't charge a fee. The vehicle we chose for our Community Vehicle is diesel. It achieves high fuel mileage in comparison to other vehicles in its class. This system is financed through the Village of Fraser Lake with subsidy from the Ministry of Transportation. As a public transit system, we provide up to 35 rides per day to area residents. We can up to 5 people in the vehicle during transit.
2000) 2000)	to area residents. We can up to a people in the venture during craners
305334	
0 !	52 Community-Wide Transportation Actions Proposed for 2019
30.5	The Village has provided land and support in terms of snow plowing, garbage collection and lawn mowing to two bus stops that are used by the Highway 16 bus and the community vehicle
100000	



Q 5	53 + Q 54 Corporate Transportation Actions Taken in 2018 + Additional Actions
	We have completed a review and planning exercise for community sidewalks, walking trails and hiking trails. The purpose of this review is to develop an efficient network of sidewalks, walking trails and hiking trails throughout our community to allow person to walk and cycle through the community; rather than driving short distances with multiple stops.
13.55 13.55	
201	
Q 5	55 Corporate Transportation - Actions Proposed for 2019
	Our Village is working with BCHydro to advance the Highway 16 Electric Vehicle charging station project. The Village has signed the MOU to provide space and maintenance for the installation of two Level 3 Electric Vehicle Charging stations.
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Transportation	
Q 56 Does your local government have policies, plans or programs to support:	
Walking	Yes
Cycling	No
Transit Use	Yes
Electric Vehicle Use	Yes
Other (please specify)	
Q 57 Does your local government have a Transportation Demand Management (TDM)	No
strategy (e.g. to reduce single-vehicle occupancy trips, increase travel options, provide	
incentives to encourage individuals to modify travel behaviour)?	
Q 58 Does your local government integrate its transportation and land use planning?	No

#### **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 GHG emissions.

#### Q 59 + Q 60 Community-Wide Water and Wastewater Actions Taken in 2018 + Additional Actions

Our Village maintains a sprinkling bylaw to regulate and reduce summer water consumption. We have installed 15 water meters on commercial properties that are considered to be high consumers. We installed a water dispensing station to legitimize and track drinking water that is



	being drawn from our Community Water System by rural residents outside the municipality a	nd
	industry.	
0 6	1 Community-Wide Water and Wastewater Actions Proposed for 2019	
Q	62 + Q 63 Corporate Water and Wastewater Actions Taken in 2018 + Additional Actions	
YEE	Our Village replaced our Ice plant condenser. In the past, the cooling the condenser and	
	compressors was a highly wasteful activity. Drinking water was used to cool these apparatus	es.
	It was single pass system where the water was flushed into the sewer following the single pa	SS.
	We have installed a closed loop cooling system that requires no water internally. Water	
	consumption is limited to cooling the glycol. This is done in a cooling tank that rarely require	es
	top up. Over the course of the ice season, this saves hundreds of thousands of litres of wate	r.
Q	64 Corporate Water and Wastewater Actions Proposed for 2019	
	Our community has completed our planning and designed for a 4 <sup>th</sup> Wastewater lagoon. This	S
	lagoon will ensure the integrity of our wastewater management processes. This is an	otoly
	environmental initiative intended to ensure all wastewater discharged into the lake is compl	nate
	treated; regardless of high flow rates from spring runoff and heavy precipitation events (clim	iate
300	change)	
3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
NAME:		
		(155,744) 5,61
	ater Conservation	
Q	65 Does your local government have water conservation policies, plans or programs? Ye	<b>!S</b>



#### **2018 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.

<ul> <li>Warmer winter temperatures reducing snowpack</li> </ul>	ocal Governmen No		
Changes to temperature and precipitation causing seasonal drought	No		
Heatwaves impacting population health	No		
<ul> <li>Increased temperatures increasing wildfire activity</li> <li>Increased temperatures affecting air quality</li> <li>Changing temperatures influencing species migration and ecosystem shifts</li> <li>Changing temperatures influencing ecosystem shifts</li> </ul>			
		<ul> <li>Extreme weather events contributing to urban and overland flooding</li> </ul>	Yes
		Sea level rise and storms causing coastal flooding and/or erosion	110
		Other (please specify):	JETTERS STAR
Q 67 In 2018 has your local government addressed the impacts of a changing clii	mate using any o		
he following?			
Risk and Vulnerability Assessments	No		
Risk Reduction Strategies			
Emergency Response Planning			
Asset Management	Yes		
ar a lam a casa a c	No		
Natural/Eco Asset Management Strategies	Line.		
· -	No		
Infrastructure Upgrades (e.g. stormwater system upgrades)			
Infrastructure Upgrades (e.g. stormwater system upgrades) Beach Nourishment Projects	No		
Infrastructure Upgrades (e.g. stormwater system upgrades) Beach Nourishment Projects Economic Diversification Initiatives	No No		
Infrastructure Upgrades (e.g. stormwater system upgrades) Beach Nourishment Projects Economic Diversification Initiatives Strategic and Financial Planning	No No No		
Infrastructure Upgrades (e.g. stormwater system upgrades) Beach Nourishment Projects Economic Diversification Initiatives Strategic and Financial Planning Cross-Department Working Groups	No No No No		
Infrastructure Upgrades (e.g. stormwater system upgrades) Beach Nourishment Projects Economic Diversification Initiatives Strategic and Financial Planning Cross-Department Working Groups Official Community Plan Policy Changes	No No No No		
Infrastructure Upgrades (e.g. stormwater system upgrades) Beach Nourishment Projects Economic Diversification Initiatives Strategic and Financial Planning Cross-Department Working Groups Official Community Plan Policy Changes Changes to Zoning and other Bylaws and Regulations	No No No No No Yes		
Infrastructure Upgrades (e.g. stormwater system upgrades) Beach Nourishment Projects Economic Diversification Initiatives Strategic and Financial Planning Cross-Department Working Groups Official Community Plan Policy Changes Changes to Zoning and other Bylaws and Regulations Incentives for Property Owners (e.g. reducing storm water run-off)	No No No No No Yes No		
Infrastructure Upgrades (e.g. stormwater system upgrades) Beach Nourishment Projects Economic Diversification Initiatives Strategic and Financial Planning Cross-Department Working Groups Official Community Plan Policy Changes Changes to Zoning and other Bylaws and Regulations Incentives for Property Owners (e.g. reducing storm water run-off) Public Education and Awareness	No No No No Yes No		
Natural/Eco Asset Management Strategies Infrastructure Upgrades (e.g. stormwater system upgrades) Beach Nourishment Projects Economic Diversification Initiatives Strategic and Financial Planning Cross-Department Working Groups Official Community Plan Policy Changes Changes to Zoning and other Bylaws and Regulations Incentives for Property Owners (e.g. reducing storm water run-off) Public Education and Awareness Research Mapping	No No No No No Yes No No		



Q 68 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.
Our Village has taken steps to mitigate the impacts of heavy precipitation events on our wastewater system. Much of our community lacks storm sewer infrastructure. As a result, many households use a sump pump to manage ground water in and around their foundation. These sump pumps are plumbed into the sanitary sewer line. We assessed the costs of three alternatives: installation of stormwater throughout the community, dredging of the existing three wastewater lagoons to increase capacity or development of the 4 <sup>th</sup> overflow lagoon. The least expensive, yet sufficient option was chosen. We have applied for funding.
Q 69 Climate Change Adaptation Actions Proposed for 2019
To reduce our dependency on Carbon based energy, we've insulated buildings, upgraded windows, doors and weather proofing. We taken steps to monitor and inform commercial users of water of their consumption.
Q 70 For more information please contact
Rod Holland, CAO phone: (250) 699-6257



Q 71. 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? Haven't Used/Useful/Not Useful Indicators of Climate Change for British Columbia Haven't Used /Useful/Not Useful Plan2Adapt Haven't Used /Useful/Not Useful Climate Projections for Metro Vancouver Haven't Used /Useful/Not Useful Climate Projections for the Capital Region Haven't Used /Useful/Not Useful Climate Projections for the Cowichan Valley Regional District Haven't Used /Useful/Not Useful Province of BC's BC Adapts Video Series Preparing for Climate Change: Implementation Guide for Local Governments Haven't Used /Useful/Not Useful Public Infrastructure and Engineering Vulnerability Committee's (PIEVC) Haven't Used /Useful/Not Useful Haven't Used /Useful/Not Useful Sea Level Rise Adaptation Primer **BC Regional Adaptation Collaborative Webinars** Haven't Used /Useful/Not Useful Haven't Used /Useful/Not Useful **Retooling for Climate Change** Haven't Used /Useful/Not Useful Water Balance Model Water Conservation Calculator Haven't Used /Useful/Not Useful Funding: Haven't Used /Useful/Not Useful National Disaster Mitigation Program (NDMP) Community Emergency Preparedness Fund (CEPF) Haven't Used /Useful/Not Useful Haven't Used /Useful/Not Useful Municipalities for Climate Innovation Program (MCIP) Haven't Used /Useful/Not Useful Climate Adaptation Partner Grants (FCM) Infrastructure Planning Grants (MAH) Haven't Used /Useful/Not Useful Haven't Used /Useful/Not Useful Federal Gas Tax Fund Other (please specify)

#### **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.

Q 72 Con	nmunity-Wide Other Actions Taken in 2018
Q 73 Cor	porate Other Actions Taken in 2018
A S	
- 3 4 4 5	



Other	
Q 74 Are you familiar with the Community Lifecycle Infrastructure Costing Tool (CLIC)?	No
Q 75 Is your local government using the <u>CLIC</u> tool?	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 highlight an action that has already been listed.

Projects included here may be featured as success stories on the <u>B.C. Climate Action Toolkit</u> 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 making applications to CEA's Climate and Energy Action Awards, FCM Sustainable Communities Awards or to FCM's National Measures Report.

Q 76 Community-Wide Innovation Action	
Q 77 Corporate Innovation Action	
Q 78 For more information on actions described	above 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 separated by a forward slash (e.g. program1/program2).

Mitigation



Q 79 Mitigation Programs, Partnerships and Funding	
Federal Strategic Gas Tax Fund	
Adaptation	

#### **2018 CARBON NEUTRAL REPORTING**

Q 80 Adaptation Programs, Partnerships and Funding

Local governments are required to report on their progress in achieving their carbon neutral goal under the <u>B.C. Climate Action Charter</u>. 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 <u>B.C. Climate Action Toolkit website</u>, especially the <u>Workbook</u> and <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 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**

report the number of corporate GHG emissions from services delivered directly	Q 82 If your local government measured 2018 corporate GHG emissions, please	
report the number of corporate GHG emissions from services delivered directly		



Q 83 If your local government measured 2018 corporate GHG emissions, please	
report the number of corporate GHG emissions from contracted services (in	
tonnes of carbon dioxide equivalent)	
Q 84 TOTAL A: CORPORATE GHG EMISSIONS FOR 2018 (Direct GHGs +	l tona
	tCO2e
Contracted GHGs)	

#### **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

For more information about options to balance or offset corporate GHG emissions please refer to <u>Becoming Carbon Neutral</u>: A Guidebook for Local Governments in British Columbia.

If applicable, please report the 2018 GHG emissions reductions (in tonnes of carbon dioxide equivalent (tCO2e)) being claimed from any of the following Option 1 GHG Reduction Projects:

OPTION 1 PROJECTS	REDUCTIONS
Q 85 Energy Efficient Retrofits (in tonnes of carbon dioxide equivalent (tCO2e))	
Q 86 Solar Thermal (in tonnes of carbon dioxide equivalent (tCO2e))	
Q 87 Household Organic Waste Composting (in tonnes of carbon dioxide equivalent (tCO2e))	
Q 88 Low Emission Vehicles (in tonnes of carbon dioxide equivalent (tCO2e))	
Q 89 Avoided Forest Conversion (in tonnes of carbon dioxide equivalent (tCO2e))	
Q 90 TOTAL B: REDUCTIONS FROM ALL OPTION 1 PROJECTS FOR 2018	tCO2e

Q 91 If applicable, please report the names and 2018 GHG emissions reductions (in tonnes of carbon dioxide equivalent (tCO2e)) being claimed from Option 2 GHG Reduction Projects:



Option 2 Project Name	REDUCTIONS
Option 2 GHGs Reduced (tCO2e)	
Option 2 Project Name	
Option 2 GHGs Reduced (tCO2e)	
Option 2 Project Name	
Option 2 GHGs Reduced (tCO2e)	
Q 92 TOTAL C: REDUCTIONS FROM ALL OPTION 2 PROJECTS FOR 2018	tCO2e

#### Offsets

Q 93 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
Offsets (tCO2e)	
Offset Provider Name	
Offsets (tCO2e)	
Q 94 TOTAL D: OFFSETS PURCHASED FOR 2018	tCO2e

Q 95 TOTAL REDUCTIONS AND OFFSETS FOR 2018 (Total B+C+D) =	tCO2e
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#### **Corporate GHG Emissions Balance for 2018**

Your local government's Corporate GHG Emissions Balance is the difference between total corporate offsetable GHG emissions (direct + contracted emissions) and the GHG emissions reduced through GCC Option 1 and Option 2 projects and/or the purchase of offsets.

Q 96 CORPORATE GHG EMISSIONS BALANCE FOR 2018 =	$(\Delta - (B+C+D)) =$	tCO2e
d an cour auvit and rivingsions bythlict Lou fato -	(A - (DTCTD)) -	LCUZE

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

Q 97 If your local government was carbon neutral in 2018, please record any emissions reductions you will be carrying over for future years and the source of the reductions, including the year they were earned (e.g. organics diversion, 2018 100 tCO2e)

SOURCE OF CARRY OVER EMISSION REDUCTIONS (and year earned)	REDUCTIONS
Q 98 BALANCE OF REDUCTIONS ELIGIBLE FOR CARRY OVER TO NEXT YEAR	tCO2e

Carbon Neutral Reporting	
Q 99 Does your local government set aside funds in a climate reserve fund or	Yes/No
similar?	

#### 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 (e.g. through undertaking a GHG reduction project, purchasing offsets, establishing a reserve fund).

**Level 4 - Achievement of Carbon Neutrality:** For local governments who achieve carbon neutrality in the reporting year.

Q 100 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:

х	Level 1 – Demonstrating Progress on Charter Commitments	
	Level 2 – Measuring GHG Emissions	
	Level 3 – Accelerating Progress on Charter Commitments	
	Level 4 - Achievement of Carbon Neutrality	
1000	Not Sure	

Q 101 Related to Level 3 recognition, if applicable, please identify any new or ongoing corporate or community wide GHG reduction projects (other than an Option 1 or Option 2 project) undertaken by your local government that reflects a significant investment of time and/or financial resources and is intended to result in significant GHG reductions:

PROJECT NAME:	dana		
<b>}</b>		 	