

# Climate Action Revenue Incentive Program (CARIP) Public Reporting - Climate Actions Survey 2014

Created Tuesday, March 03, 2015

Updated Thursday, March 12, 2015

<http://fluidsurveys.com/surveys/irpb/carip/b5644ae9839ef02a92ffe7df791cf9ab08452745/>

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## Welcome and Instructions

### **WELCOME and INSTRUCTIONS**

Welcome to the new online format of the Climate Actions Survey!

### **Reporting Process and Key Deadlines**

We have made some exciting improvements to the CARIP public reporting process this year by moving to a new online survey format. The online survey format is intended to streamline and enhance the annual CARIP reporting process.

As outlined in the *CARIP Program Guide for 2014 Claims*, B.C. local governments must complete and submit to the Province two online surveys – the *Climate Actions Survey* and the *Carbon Neutral Progress Survey* – and make the reports generated from those surveys public by the following dates:

Climate Actions Survey – **March 8, 2015**

Carbon Neutral Progress Survey – **June 2, 2015**

These two online surveys replace the CARIP Public Reporting Template used in previous years. The surveys provide the same opportunity for local governments to describe actions, undertaken in 2014 and planned for 2015, to reduce GHG emissions and create more complete, compact and energy efficient communities. A CARIP public report attestation form, signed by the Financial Officer, must also be completed for each survey and submitted to the Province. For more information on the grant program requirements, please see the *CARIP Program Guide for 2014 Claims* at: <http://www.cscd.gov.bc.ca/lgd/greencommunities/carip.htm>

### **Key Differences in the New Online Climate Actions Survey**

This Climate Actions Survey replaces the Corporate Actions and Community-Wide Actions worksheets in the previous CARIP Public Reporting Template. Although the information you will be reporting is very much the same, the survey is organized differently. Key differences are:

Sectors (e.g. ‘Broad Planning’, ‘Transportation’ etc.) now have their own sector tabs (listed at the top of each page of the survey).

Corporate and community-wide actions are reported under each sector tab and no longer reported separately. The ‘Greenspace’ sector only has a community-wide actions section, as corporate actions are not reported in ‘Greenspace’.

Corporate and community-wide actions are reported according to seven new categories of actions, and no longer reported according to the categories ‘supportive’ and ‘direct’. The seven action categories are:

- Physical Improvements, Construction
- Feasibility Studies, Research, Analysis
- Plans, Policies, Regulations
- Policy Implementation
- Community Education, Engagement (community-wide only)
- Employee Training, Awareness (corporate only)
- Committees, Staffing

## Funding

**Note:** These action categories were developed based on an extensive review of the types of actions reported by local governments in previous CARIP reports. The new categories are intended to improve the organization of information and streamline the reporting process.

For convenience, the 'Action Examples' tab includes a selection of previously-reported CARIP actions that have been categorized according to the *new action* categories. The examples are intended to help local governments understand where their climate actions best fit in the new survey format.

Each sector tab includes one to three simple 'yes/no' type questions. The purpose of the questions is to highlight local government progress on key action items, and to draw attention to relevant tools, guides and other supports available to support local government climate action.

### **Instructions for Completing the Survey**

After reading these instructions, it is recommended that you click through the survey tabs to familiarize yourself with the survey layout and the information needed to be gathered to complete the survey.

You can navigate through the survey using the 'next' and 'back' buttons at the bottom of each survey page or by clicking on the sector tabs at the top of each survey page (please do not use the browser's back and forward buttons or your information may not be saved).

The 'save and continue later' button at the bottom of each page allows you to save the survey and complete it later.

There is also a 'Local Government Information' tab. This tab is the last page of the survey and must be completed in full prior to submitting the survey.

Use the 'submit' button located on the 'Local Government Information' tab to submit your survey. Please be sure that it is your local government's *complete and final* 2014 survey, and *submit the survey once only*.

After submitting your survey, please ensure that you download a copy of the report from the 'Thank You' page and make that report public by the date identified in the *CARIP Program Guide for 2014 Claims* (<http://www.cscd.gov.bc.ca/lgd/greencommunities/carip.htm>).

You will note that the report generated includes the instructions provided to you in this survey, as a result, you may want to remove these instructions prior to making your report public.

### **FAQ's**

#### ***How can I save and complete my survey later?***

Click on the 'save and continue later' button that is located at the bottom of each page. You will be prompted to provide your email address so that the link to access your saved survey can be emailed to you, and/or you can bookmark or copy the link provided.

#### ***How can I send the survey to others to work on?***

Follow the instructions above for 'save and continue later', and then forward the link to others to work on. Please Note: You may want to save a Word copy of the report for yourself, prior to forwarding the link.

#### ***Can multiple people work on the survey at one time?***

No, only one person can work on the survey at any one time, or you will risk some of your responses not being processed.

#### ***Do I have to fill in all the boxes on each of the sector tabs?***

Due to the diversity of B.C. local governments, it is recognized that the type and number of actions will vary between communities and also may vary from year to year for individual communities, and as a result, you are not required to fill in all the boxes on each of the sector tabs.

***How do I know if an action belongs under Corporate or Community-wide Actions?***

If the action is undertaken to reduce energy consumption and GHG emissions in the community at-large, then it is a community-wide action.

If the action is undertaken to reduce energy consumption and GHG emissions in local government corporate operations, then it is a corporate action.

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

## Action Examples

### **ACTION EXAMPLES**

This section includes a selection of previously-reported CARIP actions that have been categorized according to the new action categories. The examples are provided as a reference and are intended to help local governments understand where their climate actions best fit in the new survey format. For lists of all the corporate and community-wide actions reported under the CARIP in previous years, see: <http://www.cscd.gov.bc.ca/lgd/greencommunities/carip.htm>

#### **CORPORATE– Examples previously reported by local governments in CARIP**

##### ***Physical Improvements, Construction***

Building insulation

Solar lighting (signage and trails)

Electric vehicles, bikes

Receptacles for recycling in civic spaces and facilities

Water efficient fixtures in public buildings

Rain gardens at public facilities

##### ***Feasibility Studies, Research, Analysis***

Corporate energy GHG emissions audit

Lighting assessment

District energy feasibility study

GPS monitoring of fleet for fuel efficiency

Waste audit

Monitor flow/rainwater retention from corporate green roof/living wall

##### ***Plans, Policies, Regulations***

Corporate energy and emissions plan

Building energy management plan

Plans for rooftop solar thermal system installation in civic facilities

Right-sizing vehicle policy

Corporate zero-waste policy

Green operations plan including for water use in major city operations

##### ***Policy Implementation***

Eco-friendly procurement

Energy Star compliance

Participate in biofuel boiler district energy system for public pool

Regular maintenance schedule for fuel efficiency (e.g. tire pressure check)

Reused recycled materials in corporate operations (e.g. asphalt, wood chips)

Rainwater harvesting and water reuse in municipal/RD facilities (e.g. vehicle cleaning)

Environmental performance parameters in waste hauling contract

***Employee Training, Awareness***

Dollars to Sense training (NRCAN)

RETScreen training

Staff working sessions on district energy

Driving for fuel efficiency training

Green events - equipment for 4-stream collection bins available to borrow

Water Smart ambassador

***Committees, Staffing***

Corporate Energy Manager

Manager of Environmental Building Construction Services

Corporate Climate and Energy Committee

Corporate Zero-Waste Coordinator

***Funding***

Gas Tax funding

BC Transit's ProPass

**COMMUNITY-WIDE – Examples previously reported by local governments in CARIP**

***Physical Improvements, Construction***

Energy efficient senior's and social housing

Small-scale wind turbine demonstration project

Park expansion

Sidewalk improvements

On-street recycling facilities

Storm/rainwater retention (e.g. permeable paving, bioswales)

***Feasibility Studies, Research, Analysis***

Residential densification study

Community Energy and Emissions Modeling (CEEM)

District energy feasibility assessment

Tree inventory

Feasibility study for installation of electric vehicle charging infrastructure

Waste composition study

Water metering assessment; source to tap assessment

***Plans, Policies, Regulations***

Climate action plan

Passive solar siting policy

Solar Hot Water Ready Regulation

Master parks and open space plan

Policy for bike facilities in all new developments

Landfill gas management plan

Permeability policy and regulation, e.g. for parking lots

***Policy Implementation***

Smart growth/green building checklist

Fast-tracked high performance buildings

Enforced solar ready requirements

Grow-a-Tree Program

Improved transit service (e.g. increased hours)

Increased residential waste collection service

Watering restrictions and enforcement

***Community Education, Engagement***

Energy symposium

Building energy labelling

Hosted training session/tour of solar hot water installations

Nature programming

Bike/Walk to Work/School Week

Community garage sale events

Drinking Water Week; Rainwater Harvesting Best Practices Guide

***Committees, Staffing***

Community Energy Manager

Community Energy Committee

Worked with Regional District to identify future green energy generation projects

Communities in Bloom Committee

Hired a Transportation Demand Management Coordinator

Hired specialized position for waste reduction

Water Resource Action Committee

***Funding***

Green Municipal Fund

Green Building Rebates

Incentives for homeowners who install solar hot water heating

TD Green Streets Grant

Class Rides Free Program (transit)

Funding to elementary school program focused on zero waste

Washing machine rebates (BC Hydro partner)

## Broad Planning

### **BROAD PLANNING**

Broad Planning refers to the high level, strategic planning that sets the stage for GHG reductions. Land use planning that focuses on Smart Growth principles (compact, complete, connected and centred) plays an especially important role in energy and GHG reduction. Plans that relate to a certain sector should be included in that sector, e.g. transportation plans in the 'Transportation' sector.

In the appropriate boxes below, please record all corporate and community-wide actions taken in 2014 and proposed for 2015. Number and type of actions will vary by community. Please refer to the 'Action Examples' tab above for assistance in understanding the type of information to include in each action category. If the action was taken in partnership, please indicate with whom.

	Yes	No	Please specify or comment
Since initially establishing OCP targets, policies, and actions for the reduction of greenhouse gas (GHG) emissions, as required by the Local Government Act, has your local government updated those targets, policies and actions?	False	False	
Does your local government use the Community Energy and Emissions Inventory (CEEI) to measure progress?			Yes
Has your local government established Development Permit Areas (DPAs) for climate action (i.e. energy conservation, water conservation and/or GHG emission reduction)?			No

### **CORPORATE - Broad Planning**

	Actions taken in 2014	Actions proposed for 2015
Feasibility Studies, Research, Analysis	Water and sewer full cost recovery study completed - conservation possible outcome with rates established for full cost recovery. Reservoir asset condition assessment completed - understand and extend useable life of asset as much as practicable.	
Plans, Policies, Regulations		
Policy Implementation		
Employee Training, Awareness		
Committees, Staffing		
Funding	Columbia Basin Water Smart funding for water utility rate analysis.	

### **COMMUNITY-WIDE - Broad Planning**

	Actions taken in 2014	Actions proposed for 2015
Feasibility Studies, Research, Analysis		
Plans, Policies, Regulations		



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Policy Implementation

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Community Education, Engagement

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Committees, Staffing

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Funding

## Buildings

### **BUILDINGS**

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 viewed over the long term.

In the appropriate boxes below, please record all corporate and community-wide actions taken in 2014 and proposed for 2015. Number and type of actions will vary by community. Please refer to the 'Action Examples' tab above for assistance in understanding the type of information to include in each action category. If the action was taken in partnership, please indicate with whom.

Does your local government have green building/construction policies, plans or programs?	No
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### **CORPORATE - Buildings**

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction	T-8 lighting replaced old technology T-12 fluorescent lighting in facilities on an as needed basis. LED lighted Christmas decorations purchased for downtown lamp standards. Propane fired HVAC air handler eliminated in a sewage lift station facility.	Continue lighting upgrades as warranted by needed replacements.
Feasibility Studies, Research, Analysis	Engineering completed on Sewage Treatment Plant design to line ponds against groundwater infiltration (intended to eliminate additional effluent treatment), and to provide improved aeration infrastructure in ponds (improved treatment without additional power consumption for increased air delivery). Engineering completed on plan to install mag flow meters in lift station to measure 100% of effluent inflow into sewage treatment plant (target reduction of system infiltration over time).	Proceed with tendering of works if grant funding approved.
Plans, Policies, Regulations		
Policy Implementation		
Employee Training, Awareness		
Committees, Staffing		
Funding		

### **COMMUNITY-WIDE - Buildings**

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction		
Feasibility Studies, Research, Analysis		
Plans, Policies, Regulations		
Policy Implementation		
Community Education, Engagement		



## Energy Generation

### **ENERGY GENERATION**

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.

In the appropriate boxes below, please record all corporate and community-wide actions taken in 2014 and proposed for 2015. Number and type of actions will vary by community. Please refer to the 'Action Examples' tab above for assistance in understanding the type of information to include in each action category. If the action was taken in partnership, please indicate with whom.

Has your local government undertaken district energy projects in 2014?	No
Has your local government undertaken renewable energy projects 2014?	No
Are you aware of the integrated resource recovery (IRR) guidance page on the BC Climate Action Toolkit? ( <a href="http://www.toolkit.bc.ca/tool/integrated-resource-recovery-irr">http://www.toolkit.bc.ca/tool/integrated-resource-recovery-irr</a> )	Yes

### **CORPORATE - Energy Generation**

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction		
Feasibility Studies, Research, Analysis		
Plans, Policies, Regulations		
Policy Implementation		
Employee Training, Awareness		
Committees, Staffing		
Funding		

### **COMMUNITY-WIDE - Energy Generation**

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction		
Feasibility Studies, Research, Analysis		
Plans, Policies, Regulations		
Policy Implementation		
Community Education, Engagement		
Committees, Staffing		
Funding		

## Greenspace

### **GREENSPACE**

Greenspace refers to parks and greenways, boulevards, community forests, urban agriculture, riparian areas, gardens, recreation/school sites, and other green spaces, such as remediated brownfield/contaminated sites. Greenspaces support climate change mitigation (reducing emissions by absorbing and sequestering GHG) and adaptation (providing shade, cooling, deflecting strong wind, and improving air quality).

In the appropriate boxes below, please record all community-wide actions taken in 2014 and proposed for 2015 (Note: the 'Greenspace' sector only has a community-wide actions section). Number and type of actions will vary by community. Please refer to the 'Action Examples' tab above for assistance in understanding the type of information to include in each action category. If the action was taken in partnership, please indicate with whom.

Does your local government have urban forest policies, plans or programs?	No
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### **COMMUNITY-WIDE - Greenspace**

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction	Planted approximately 1100 coniferous tree and shrub seedlings on a roadside slope.	Monitor growth and mortality, water as necessary to establish majority.
Feasibility Studies, Research, Analysis		
Plans, Policies, Regulations		
Policy Implementation		
Community Education, Engagement		
Committees, Staffing		
Funding	BC Hydro Re-greening grant, Municipal Insurance Association grant	

## Solid Waste

### **SOLID WASTE**

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.

In the appropriate boxes below, please record all corporate and community-wide actions taken in 2014 and proposed for 2015. Number and type of actions will vary by community. Please refer to the 'Action Examples' tab above for assistance in understanding the type of information to include in each action category. If the action was taken in partnership, please indicate with whom.

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

### **CORPORATE - Solid Waste**

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction		
Feasibility Studies, Research, Analysis		
Plans, Policies, Regulations		
Policy Implementation		
Employee Training, Awareness		
Committees, Staffing		
Funding		

### **COMMUNITY-WIDE - Solid Waste**

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction		
Feasibility Studies, Research, Analysis		
Plans, Policies, Regulations		
Policy Implementation		
Community Education, Engagement	Corporate community outreach for continuation of Multi-Material BC residential curbside recycling program.	Continue with necessary residential education/outreach relating to program.
Committees, Staffing		
Funding	Town utility funded	Town utility funded

## Transportation

### TRANSPORTATION

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.

In the appropriate boxes below, please record all corporate and community-wide actions taken in 2014 and proposed for 2015. Number and type of actions will vary by community. Please refer to the 'Action Examples' tab above for assistance in understanding the type of information to include in each action category. If the action was taken in partnership, please indicate with whom.

Does your local government have policies, plans or programs to support alternative modes and technologies of transportation (e.g. walking, cycling, transit, electric vehicles)	No
Does your local government have a transportation demand management (TDM) strategy? ( <a href="http://www.toolkit.bc.ca/resource/transportation-demand-management-small-and-mid-sized-communities-toolkit">http://www.toolkit.bc.ca/resource/transportation-demand-management-small-and-mid-sized-communities-toolkit</a> )	No
Does your local government have policies, plans or programs to support local food production (thus reducing transportation emissions)?	No

### CORPORATE - Transportation

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction	Partnered with MoTI on construction of approximately 300 lm of paved pedestrian pathway adjacent to Hwy 95. Replaced 100 lm of concrete sidewalk asset.	
Feasibility Studies, Research, Analysis	Adopted Age Friendly Community status.	
Plans, Policies, Regulations		
Policy Implementation	Established prioritized all-season maintenance along seniors' priority pedestrian routes.	Continue prioritized all-season maintenance along seniors' priority pedestrian routes.
Employee Training, Awareness	Refer to policy implementation.	Refer to policy implementation.
Committees, Staffing		
Funding		

### COMMUNITY-WIDE - Transportation

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction	See corporate	
Feasibility Studies, Research, Analysis	See corporate	
Plans, Policies, Regulations		
Policy Implementation	See corporate	
Community Education, Engagement		

Funding



## Water and Wastewater

### **WATER and WASTEWATER**

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.

In the appropriate boxes below, please record all corporate and community-wide actions taken in 2014 and proposed for 2015. Number and type of actions will vary by community. Please refer to the 'Action Examples' tab above for assistance in understanding the type of information to include in each action category. If the action was taken in partnership, please indicate with whom.

Does your local government have water conservation policies, plans or programs?	Yes
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### **CORPORATE - Water and Wastewater**

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction		Rehabilitate community domestic water production well, include replacement of pump and motor with higher efficiency new equipment.
Feasibility Studies, Research, Analysis	Water and sewer full cost recovery study completed - conservation possible outcome with rates established for full cost recovery. Reservoir asset condition assessment completed - understand and extend useable life of asset as much as practicable. Annual seasonal water system Night Flow Analysis (NFA) work completed to measure and trend system leakage over time.	Continue NFA program on annual seasonal basis.
Plans, Policies, Regulations		
Policy Implementation		
Employee Training, Awareness	Water and sewer staff are directly responsible for carrying-out NFA measurement work.	
Committees, Staffing		
Funding	Water Smart program grant funding received from Columbia Basin Trust for water utility rate analysis.	Water Smart program grant funding applied for from Columbia Basin Trust to support multi-community RFP for large water meter calibration checks to ensure meter accuracy.

### **COMMUNITY-WIDE - Water and Wastewater**

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction		
Feasibility Studies, Research, Analysis		
Plans, Policies, Regulations		

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Policy Implementation

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Community Education, Engagement

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Committees, Staffing

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Funding

## Other Climate Actions

### **OTHER CLIMATE ACTIONS**

This section is intended to give local governments a chance to record other climate actions that could not be captured in the above sectors, including climate change adaptation actions and air quality actions.

In the appropriate boxes below, please record all corporate and community-wide actions taken in 2014 and proposed for 2015. Number and type of actions will vary by community. Please refer to the 'Action Examples' tab above for assistance in understanding the type of information to include in each action category. If the action was taken in partnership, please indicate with whom.

Has your local government begun to integrate the impacts of a changing climate (adaptation) into its planning and operations?	No
Are you aware of the climate change adaptation guidance page on the BC Climate Action Toolkit? ( <a href="http://www.toolkit.bc.ca/adaptation-challenges-and-opportunities">http://www.toolkit.bc.ca/adaptation-challenges-and-opportunities</a> )	Yes

### **CORPORATE - Other Climate Action**

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction		
Feasibility Studies, Research, Analysis		Ice Jamming study granting applied for to study effects of winter ice flows in the Kicking Horse River. May provide management insight relative to changing climate.
Plans, Policies, Regulations		
Policy Implementation		
Employee Training, Awareness		
Committees, Staffing		
Funding		Federal Gas Tax, Strategic Priority Fund, Capacity Building Stream grant applied for.

### **COMMUNITY-WIDE - Other Climate Action**

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction		
Feasibility Studies, Research, Analysis		
Plans, Policies, Regulations		
Policy Implementation		
Community Education, Engagement		
Committees, Staffing		
Funding		

## Innovation

### **INNOVATION**

This section is intended to give your local government an opportunity to describe any energy and GHG emission reduction activities that have been undertaken over the past year(s) that your local government is particularly proud of and would like to share with other local governments.

#### **CORPORATE - Innovation**

Please describe any innovative corporate actions taken in 2014 and add links to additional information where possible.

*(No response)*

#### **COMMUNITY-WIDE - Innovation**

Please describe any innovative community-wide actions taken in 2014 and add links to additional information where possible.

*(No response)*

## Local Government Information

### LOCAL GOVERNMENT INFORMATION

LOCAL GOVERNMENT INFORMATION   Name of Local Government	Golden, Town of
LOCAL GOVERNMENT INFORMATION   Name of member Regional District (RD)	Columbia-Shuswap
LOCAL GOVERNMENT INFORMATION   Regional Growth Strategy (RGS) in your region	No
LOCAL GOVERNMENT INFORMATION   Population	0-4,999

### Submitted by:

Submitted by:   Name	Chris Cochran
Submitted by:   Position	Manager of Operational Services
Submitted by:   Email	chris.cochran@golden.ca
Submitted by:   Telephone # (ten digit)	250-344-2271

**This year we replaced the CARIP Public Reporting Template with two online surveys to streamline and improve the reporting process. We would like to know what you think.**

Please check the answer that best describes your thoughts on how the Climate Actions Survey and the new survey process compares to the previous year's process.

*Neutral*

**Before submitting your survey, please ensure that it is your local government's complete and final 2014 Climate Actions Survey. Please submit this survey only once.**

Is this your local government's complete and final 2014 Climate Actions Survey?

*No*

**Once you have submitted your survey, be sure to download your survey report from the 'Thank You' page and use it as your public report.**

**CARIP Climate Actions Public Report Attestation**

As per the CARIP guidance, the Financial Officer is required to submit this attestation form to attest that:

- On or before **March 8, 2015**, the report generated from the Climate Actions Survey submitted online to the Province has been made public.


The Financial Officer must complete and sign this attestation form by the applicable deadline and email a scanned copy to the province at [infra@gov.bc.ca](mailto:infra@gov.bc.ca).

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**CARIP Climate Actions Public Report Attestation Form — DUE on or before March 8, 2015**

I declare that the 2014 final, complete report generated from the Climate Actions Survey submitted online to the Province on March 12, 2015 for Town of Golden was made public on March 12, 2015.

Name, Title (print) CFO Lisa M. Vass

Signature: 

Date: March 12, 2015

**Carbon Tax Calculation Form**  
**Under the Climate Action Revenue Incentive Program**

<b>Local Government Name:</b>	Town of Golden
<b>Contact Information:</b>	
<b>Name:</b>	Denise Porter
<b>Position:</b>	Financial Clerk
<b>Telephone Number:</b>	250-344-2271
<b>Email Address:</b>	denise.porter@golden.ca
<b>Report Date:</b>	Friday, February 13, 2015 7:32:18 AM

**Calculation of carbon tax paid directly by the Local Government**  
**for fuel purchased between January 1 and December 31, 2014:**

Fuel Type	Unit Measure	Units	Tax Rate per unit, January 1, 2014 to June 30, 2014	Units	Tax Rate per unit, July 1, 2014 to December 31, 2014	Carbon Tax Paid
Diesel	Litres	29,136.65	0.0767	17,052.30	0.0767	3,542.69
Gasoline	Litres	13,263.86	0.0667	14,413.08	0.0667	1,846.05
Propane Gas	Litres	46,151.57	0.0462	46,916.51	0.0462	4,299.75
<b>Total Claim</b>						<b>9,688.49</b>

1. Only list fuels that were purchased for the local government's own use, on which carbon tax was paid, and where that carbon tax was not refunded or recovered from another party (e.g., through a lease arrangement). Also do not include any fuels that were exempted from carbon tax (for more information on exemptions see the *Carbon Tax Act* and its Regulations)

2. Marketable Natural Gas may be recorded as either Gigajoules or m<sup>3</sup>

3. Low Heat Value Coal includes Sub-Bituminous Coal; High Heat Value Coal includes Bituminous Coal

4. Only include tires if they are combusted

5. The information contained in this report is based on the data provided to the SMARTTool System at the date of generation. It is the responsibility of the user to submit all data relevant to the reporting year prior to running this report.

6. Fuel usage displayed under "Units" is rounded to two decimal places but is not rounded in the tax calculations. This may cause the "Carbon Tax Calculated" to differ by up to \$0.01 if displayed values are used to test the calculation.

7. This form includes only REPORTED fuel usage and excludes all ESTIMATED fuel usage. This may cause the values displayed in this form to differ from those in other exports and reports.

I declare that the information contained in this Carbon Tax Calculation Form is true and correct and based on actual accounting records and not estimates. I am also aware of the requirement to report publicly by March 8<sup>th</sup> using the CARIP Reporting Template.

<b>Signature of Financial Officer</b>	<b>Name (Please Print)</b>	<b>Date</b>
LISA M. VASS	Lisa M Vass	Feb 18 / 2015





**Town of Golden**  
**Greenhouse Gas Emissions Source Detail Report for the 2014 Calendar Year**  
**Generated February 13, 2015**

Source		Quantity	Greenhouse Gases In Tonnes			
			CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	tCO <sub>2</sub> e *
<b>Stationary Fuel Combustion (Building Heating and Generators) and Electricity</b>						
<b>Offset Required</b>	Fuel Combustion **	2,604.47 GJ	155.07	0.00	0.01	158.59
	Purchased Energy	7,412.91 GJ	29.65	0.00	0.00	29.65
	<b>Offset Required Sub Total</b>		184.72	0.00	0.01	188.24
<b>Offset Exempt</b>	Fuel Combustion **	1,501.12 GJ	89.38	0.00	0.01	91.41
	Purchased Energy	88.53 GJ	0.35	0.00	0.00	0.35
	<b>Offset Exempt Sub Total</b>		89.73	0.00	0.01	91.76
<b>TOTAL STATIONARY EMISSIONS</b>			274.45	0.00	0.02	280
<b>Mobile Fuel Combustion (Fleet and other mobile equipment)</b>						
<b>Offset Required</b>	Fuel Combustion **	73,865.89 L	178.26	0.02	0.02	185.28
	<b>Offset Required Sub Total</b>		178.26	0.02	0.02	185.28
<b>Offset Exempt</b>	CO <sub>2</sub> from Biogenic Fuel Combustion		6.59	N/A	N/A	6.59
	<b>Offset Exempt Sub Total</b>		6.59	0.00	0.00	6.59
<b>TOTAL MOBILE EMISSIONS</b>			184.85	0.02	0.02	192
<b>Total Offset Exempt</b>			96.32	0.00	0.01	98
<b>Total Offset Required</b>			362.98	0.03	0.03	374
<b>TOTAL EMISSIONS</b>			459.30	0.03	0.04	472

\* Each greenhouse gas has been converted to a standard measurement (tCO<sub>2</sub>e) by multiplying its emissions by its global warming potential (GWP).

The GWP of carbon dioxide (CO<sub>2</sub>) from both anthropogenic and biogenic sources is 1; methane (CH<sub>4</sub>) is 21, and nitrous oxide (N<sub>2</sub>O) is 310.

The Totals for tCO<sub>2</sub>e are shown here rounded to the nearest whole metric tonne as only whole tonnes of tCO<sub>2</sub>e can be purchased for offsets.

**Town of Golden**  
**Greenhouse Gas Emissions Source Detail Report for the 2014 Calendar Year**  
**Generated February 13, 2015**

Source	Quantity	Greenhouse Gases In Tonnes			
		CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	tCO <sub>2</sub> e *

\*\* Includes Fossil Fuels and CH<sub>4</sub> and N<sub>2</sub>O from Biogenic Fuels