

CLIMATE ACTION REVENUE INCENTIVE PROGRAM (CARIP) PUBLIC REPORT

For Reporting Year =

2012

GENERAL INFORMATION

Fill in the boxes below

Name of Local Government

City of Salmon Arm

Member of Regional District (RD)

*Columbia Shuswap Regional
District*

Regional Growth Strategy (RGS) in region

No

Population

17,400

Report Submitted by

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Community-Wide Actions

1.1 MEASURE

Community Wide Measurement Actions QUESTION

ANSWER

ADDITIONAL INFORMATION

Have you been using the *Community Energy and Emissions Inventory* (CEEI) to measure progress? What else have you been using instead of/in addition to CEEI?

Yes

The Salmon Arm Community Energy and Emissions Inventory (CEEI) is used by the City as a source of baseline information.

The City's Official Community Plan (OCP) includes Greenhouse Gas (GHG) emissions reduction targets, which are based on information contained in the CEEI reports.

1.2 PLAN

Community Wide Targets QUESTION

ANSWER

ADDITIONAL INFORMATION

Do your OCP(s) have targets, policies and actions to reduce GHG emissions, as per the requirements under the *Local Governments Act* (LGA)? If yes, please identify the targets set. If no or in progress, please comment.

Yes

The goal identified in the City's OCP is to reduce community wide GHG emissions by 6% by 2020. Progress will be measured using the CEEI reports

Section 4.6 of the City's OCP contains 8 policies addressing community energy consumption and greenhouse gases.

1.3 REDUCE

Supportive Community-Wide Actions

Please describe the supportive community-wide actions you have taken in 2012 (or propose to take in 2013) to contribute to reducing GHG emissions and energy consumption in your community.

Supportive actions refer to activities that provide a framework or foundation for direct actions to be implemented. These include the development of committees or new staff positions, education and engagement, feasibility studies, policy development and engagement with programs and partnerships.

If your actions do not fit into the given categories please describe them under "other actions".

<http://www.cscd.gov.bc.ca/lgd/greencommunities/carip.htm>

Actions reported in these categories in 2010 and 2011 can be found here:

Supportive Community-Wide Actions	Actions Taken in 2012	Proposed Actions for 2013
Broad Planning (e.g. creation/revision of OCPs, CEPs, transportation plans)		<i>Develop a Climate Action Plan to reduce community wide GHG emissions</i>
Building and Lighting (e.g. developed green building policy, increased density in the downtown)		<i>Promote and provide information for green building options.</i>
Energy Generation (e.g. signed on to provincial 'solar ready' regulation, explored options for bioheating for buildings)		<i>Review options for participation in voluntary provisions of the BC Building Code (e.g. Solar hot water ready).</i>
Waste (e.g. introduced composting and recycling education programs)	<i>Education and promotion of Curbside Garbage and Recycling Collection Program.</i>	<i>Look into different avenues to provide information about recycling (e.g. City website).</i>

Other Actions

Continued to apply the City's Tree Removal and Protection Bylaw.

Applied the Riparian Areas Regulation of the BC Fish Protection Act to development projects in Salmon Arm.

Direct Community-Wide Actions

Please describe the **direct community-wide actions** you have taken this year and propose to take next year to contribute to reducing GHG emissions and energy consumption in your community.

Direct actions refer to activities that can be directly implemented by local government.

If your actions do not fit into the given categories please describe them under "other actions".

Actions reported in these categories in 2010 and 2011 can be found here: <http://www.cscd.gov.bc.ca/lgd/greencommunities/carip.htm>

Community-Wide Direct Actions	Actions Taken in 2012	Proposed Actions for 2013
Buildings (e.g. implement use of sustainability checklists and development permit guidelines for new buildings)	<i>Development Guidelines in OCP encourage passive solar siting principles for new developments.</i> <i>Replaced boiler at RCMP building with higher efficiency boiler</i>	<i>Consider developing a sustainability checklist for developments requiring form and character Development Permits.</i>
Transportation (e.g. implement bike lanes, pedestrian paths, upgrade transit service and infrastructure, improve roads, parking fees etc.)	<i>Additional sidewalks were constructed throughout the City and existing greenways / bike lanes were improved and maintained.</i>	<i>Continue expansion of City sidewalks, bike lanes and greenways.</i>
Waste (e.g. introduce composting and recycling programs)		<i>Review options for curbside collection of yard waste.</i>
Water/Sewer (e.g. implement water conservation and reduction initiatives)		<i>Deliver notices with water conservation education material to excessive users.</i>
Green Space (e.g. plant trees, conserve forest etc.)		

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Corporate Actions

2.1 MEASURE

Corporate Measurement Actions QUESTION

Answer

What steps has your local government taken toward completing its corporate emissions inventory (e.g. corporate assets identified related to energy and fuel data and calculated GHG emissions from energy use)?

Corporate emissions inventory of 2012 energy use and GHG emissions completed.

What tool are you using to measure, track and report on your corporate emissions (e.g. SMARTtool, other tools including excel spreadsheets)?

Excel spreadsheet

2.2 REDUCE

Supportive Corporate Actions

Please describe the **supportive corporate actions** you have taken in 2012 or propose to take in 2013 to contribute to reducing GHG emissions and energy consumption within your corporate boundary.

Supportive actions refer to activities that provide a framework or foundation for direct actions to be implemented. These include the development of committees or new staff positions, education and engagement, feasibility studies, policy development and engagement with programs and partnerships.

If your actions do not fit into the categories provided, please describe them under "other actions".

Lists of actions reported in these categories in 2010 and 2011 can be found here: <http://www.cscd.gov.bc.ca/igd/greencommunities/carip.htm>

Supportive Corporate Actions

Actions Taken in 2012

Proposed Actions for 2013

Broad Planning (e.g. developed corporate climate action plan)

Research and begin developing a corporate climate action / energy reduction plan.

Transportation (e.g. created anti-idling policy for city vehicles, bike to work week promotion)

Review options for updating City contracts to include language about the provision of contractors' fuel consumption.

Promotion of bike to work week.

Water/Sewer (e.g. completed study of sewer and water energy use)

Update master sanitary sewer model with potential infiltration and inflow study.

Direct Corporate Actions

Please describe the **direct corporate actions** you have taken in 2012 and propose to take in 2013 to contribute to reducing GHG emissions and energy consumption within your corporate boundary.

Direct actions refer to activities that can be directly implemented by local governments.

We encourage you to report all the corporate actions that contribute to reduced emissions even if they might not directly contribute to the achievement of your carbon neutral commitment. For example, the introduction of corporate recycling programs do not contribute to carbon neutrality but is a direct action to reduce GHG emissions.

If your actions do not fit into the given categories please describe them under "other actions".

<http://www.cscd.gov.bc.ca/lgd/greencommunities/carip.htm>

List of actions reported in these categories in 2010 and 2011 can be found here:

Direct Corporate Actions

Actions Taken in 2012

Proposed Actions for 2013

Building and Lighting (e.g. energy efficiency retrofits to municipal buildings)

Replacement of windows at public works building (energy saving vinyl clad with low e glazing)

Replace three additional windows in the public works building.

Shuswap Recreation Society (SRS) purchased an electric ice edger to replace propane powered edger at the Shaw Centre.

Replace existing boilers at the SASCU Recreation Centre with new energy efficient modules.

SRS will replace two heat exchangers for main pool and hot tub.

SRS replaced three electrical pump motors at the SASCU Recreation Centre with more energy efficient motors.

SRS replaced a tube-type heat exchanger for wading with more energy efficient plate exchanger.

Energy Generation (e.g. implemented heat recovery systems, solar)

Solar powered cross-walk signals installed at one location.

Fleet (e.g. anti-idling policies for fleet vehicles, purchasing of hybrid)

Waste (e.g. introduction of composting and recycling programs and education)

Water/Sewer (e.g. initiated water conservation and reduction initiatives)

Participated in bike to work week

The City will continue to work with the CSRD to investigate implementing a natural gas refueling station to power the garbage collection fleet. Participate in BCWWA water week.

Upgrade aging sanitary infrastructure to minimize inflow and infiltration to reduce Water Pollution Control Centre energy use.

You **MUST** fill this in for the 2012 reporting year.

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Prior to completing this section, please ensure that you are familiar with the “Becoming Carbon Neutral guidebook” available on the BC

[BC Climate](#)

Carbon Neutral Progress Reporting

Is this your Final or Interim CARIP Report for 2012 (Yes or No)?

Final

Emissions/Offsets	Tonnes CO2e	
	Enter Values in Yellow Boxes	
Annual corporate emissions using SMARTTool or equivalent inventory tool	1,944	(+)
<i>Emissions from services delivered directly by the local government</i>	991	
<i>Emissions from contracted services</i>	953	
Less:		
GHG reductions being claimed for this reporting year from Option 1 - GHG reduction project	0	(-)
<i>Energy Efficient Building Retrofits and Fuel Switching</i>		
<i>Solar Thermal</i>		
<i>Household Organic Waste Composting</i>		
<i>Low Emissions Vehicles</i>		

Making Progress on Your Carbon Neutral Commitment

If your community has not achieved carbon neutrality for this reporting year please describe the actions that you intend to take next year to move you toward your carbon neutral goal.

The City has measured and reported on its corporate GHG emissions profile for the 2012 reporting year. In addition to the initiatives taken in 2012, as listed in this report, the City intends to continue making progress towards its carbon neutral goal, as follows:

Corporate GHG Emissions

The boiler replacement at the SASCU Recreation Centre is a substantial project that should significantly improve the energy efficiency of this building. The SASCU Recreation Centre is the largest emitter of GHG emissions within the City's corporate operations, accounting for approximately 21 percent of total emissions.

Community GHG Emissions

395 lineal metres of new sidewalks are planned for this year to help fill in gaps in the sidewalk network in key urban areas of the City. Construction and continued maintenance of sidewalks, trails and other greenways is an integral part of the City's commitment to improving alternative transportation options, given that the transportation sector represents the largest component of Salmon Arm's community-wide GHG emissions profile.