

Climate Action Revenue Incentive (CARIP) Public Report for 2015

Local Government:

City of Salmon Arm

Report Submitted by:

Name: Chris Larson

Role: Planning & Development Officer

Email: clarson@samonarm.ca

Phone: 250-803-4000

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The City of Salmon Arm has completed the 2015 Climate Action Revenue Incentive Program (CARIP) Public Report as required by the Province of BC. The CARIP report summarizes actions taken in 2015 and proposed for 2016 to reduce corporate and community-wide energy consumption and greenhouse gas emissions (GHG) and reports on progress towards achieving carbon neutrality. There is also an opportunity to report on climate adaptation actions.

2015 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 2015	
	As per OCP policy, continued use of the Urban Containment Boundary to support long-term growth.
	As per OCP policy, strive to protect ALR lands, forested hillsides, foreshore areas and watercourses.
	As supported by OCP and Greenways Strategy enhance and continued development of greenways, active transportation network.
Community-Wide Actions Proposed for 2016	
	As per OCP policy, continued use of the Urban Containment Boundary to support long-term growth.
	As per OCP policy, strive to protect ALR lands, forested hillsides, foreshore areas and watercourses.
	As supported by OCP and Greenways Strategy enhance and continued development of greenways, active transportation network.

Corporate Actions Taken in 2015	
	Set aside funds in climate action reserve.
Corporate Actions Proposed for 2016	
	Continue to set aside funds in climate action reserve for projects that will improve efficiency.

Snapshot Questions	
What GHG reduction targets are included in your local government's Official Community Plan or Regional Growth Strategy?	Yes
Are you familiar with the Community Energy and Emission Inventory (CEEI)?	Yes
Does your local government use the Community Energy and Emissions Inventory (CEEI) to measure progress?	Yes
Which of the following does your local government use to guide climate action implementation?	
• Community Energy and Emissions (CEE) Plan	No
• Climate Action Plan	No
• Integrated Community Sustainability Plan	No
• Official Community Plan (OCP)	Yes
• Regional Growth Strategy (RGS)	No
• Other:	No

Does your local government have a climate action reserve fund?	Yes
Does your local government have a Corporate Climate Action Plan?	Yes

2015 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 street lights and lights in parks or other public spaces.

Community-Wide Actions Taken in 2015	
Community-Wide Actions Proposed for 2016	

Corporate Actions Taken in 2015	
	Civic building energy efficient retrofits (SASCU rec centre LED lighting).
Corporate Actions Proposed for 2016	
	Civic building energy efficient retrofits (Hucul Pond Arena LED lighting).
	Refrigeration system upgrades at Arena (likely 2017).
	LED airport lighting project
	LED street lighting projects.

2015 ENERGY GENERATION ACTIONS

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.

Community-Wide Actions Taken in 2015	
Community-Wide Actions Proposed for 2016	

Corporate Actions Taken in 2015	
Corporate Actions Proposed for 2016	

Snapshot Questions	
Is your local government developing, or constructing a district energy project?	No
Is your local government operating a district energy system?	No
Is your local government developing or constructing a renewable energy project?	No
Is your local government operating a renewable energy project?	No
Are you aware of the Integrated Resource Recovery guidance page on the BC Climate Action Toolkit (insert link here)?	Yes

2015 GREENSPACE/ NATURAL RESOURCE PROTECTION ACTIONS

Greenspace

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 2015	
	Council supported a local community garden project.
Community-Wide Actions Proposed for 2016	

Corporate Actions Taken in 2015	
	Blackburn Park improvements (implementing parks plan).
Corporate Actions Proposed for 2016	
	Continued Blackburn Park improvements.
	Planning for Canoe Beach Park and Klahani Park enhancements.

Snapshot Question	
Does your local government have urban forest policies, plans or programs?	Yes

2015 SOLID WASTE ACTIONS

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.

Community-Wide Actions Taken in 2015	
	Continued residential recycling pick-up.
	Residential yard waste pick-up (bi-annual).
Community-Wide Actions Proposed for 2016	
	Continued residential recycling pick-up.
	Continued residential yard waste pick-up (bi-annual).
	Kitchen waste pick-up pilot project.

Corporate Actions Taken in 2015	
Corporate Actions Proposed for 2016	

Snapshot Questions	
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?	Yes

2015 TRANSPORTATION ACTIONS

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.

Community -Wide Actions Taken in 2015	
	EV Charging station installed in downtown parking lot.
	Greenway network enhancement (1,978 m new trails created).
	New sidewalk installed (approximately 30 m by City and 990 m through development).
Community-Wide Actions Proposed for 2016	
	Various sidewalk projects (~160 m planned by City).
	Greenways network enhancements (trail maintenance and construction).

Corporate Actions Taken in 2015	
Corporate Actions Proposed for 2016	

Snapshot Questions	
Does your local government have policies, plans or programs to support:	
• Walking	Yes
• Cycling	Yes
• Transit Use	Yes
• Electric Vehicle Use	Yes
• Other	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)?	No
Does your local government have policies, plans or programs to support local food production (thus reducing transportation emissions)?	Yes

2015 WATER AND WASTEWATER ACTIONS

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.

Community-Wide Actions Taken in 2015	
	Annual sprinkler restrictions.
	Require installation of water meters on new development.
Community-Wide Actions Proposed for 2016	
	Continued annual sprinkler restrictions.
	Continue to require installation of water meters on new development.

Corporate Actions Taken in 2015	
	Efficiency improvements to sanitary sewer system (gravity sewer allowed for pump station removal).
Corporate Actions Proposed for 2016	

	Water and Wastewater System efficiency upgrades.

Snapshot Questions	
Does your local government have water conservation policies, plans or programs?	Yes

2015 CLIMATE CHANGE ADAPTATION ACTIONS

Climate Change Adaptation

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.

Community-Wide Actions Taken in 2015	
Community-Wide Actions Proposed for 2016	

Corporate Actions Taken in 2015	
Corporate Actions Proposed for 2016	

Snapshot Questions	
Are you aware of the Plan2Adapt guidance page on the BC Climate Action Toolkit ?	Yes
Are you aware of the <i>Preparing for Climate Change, An Implementation Guide for Local Governments in BC</i> on the BC Climate Action Toolkit ?	Yes
Have you visited the climate change adaptation guidance page on the BC Climate Action Toolkit ?	Yes

2015 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 2015	
Community-Wide Actions Proposed for 2016	

Corporate Actions Taken in 2015	
Corporate Actions Proposed for 2016	

INNOVATION AND PEER-TO-PEER LEARNING

Innovation

This section provides the opportunity to showcase an innovative Corporate and/or Community-Wide reduction or adaptation activity that your local government has undertaken and that has had a significant impact 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	
Corporate Innovative Action	

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 appropriate box below.

Programs and Funding
As a member municipality of the CSRD, the City of Salmon Arm contributes to regional climate actions, with the most relevant being the CSRD’s gas capture at the Salmon Arm landfill.

2015 CARBON NEUTRAL REPORTING

Reporting Emissions

Did you measure your local government's corporate GHG emissions in 2015? (Yes/No)	Yes
If your local government measured 2015 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:	1037.4
If your local government measured 2015 corporate GHG emissions, please report the number of corporate GHG emissions (in tonnes of carbon dioxide equivalent) from <u>contracted</u> services:	828.9
TOTAL A: CORPORATE GHG EMISSIONS FOR 2015	1866.3 tCO₂e

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

If applicable, please report the 2015 GHG emissions reductions (in tonnes of carbon dioxide equivalent (tCO₂e)) being claimed from Option 1 GHG Reduction Projects:

OPTION 1 PROJECTS	REDUCTIONS
Energy Efficient Retrofits	
Solar Thermal	
Household Organic Waste Composting	
Low Emission Vehicles	
Avoided Forest Conversion	
TOTAL B: REDUCTIONS FROM OPTION 1 PROJECTS FOR 2015	0 tCO₂e

If applicable, please report the names and 2015 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 2015	0 tCO₂e

If applicable, please report the number of offsets purchased (in tonnes of carbon dioxide equivalent (tCO₂e)) from an offset provider for the 2015 reporting year:

(NOTE: DO NOT INCLUDE ANY FUNDS THAT MAY BE SET ASIDE IN A CLIMATE ACTION RESERVE FUND)

OFFSET PROVIDER	REDUCTIONS
TOTAL D: OFFSETS PURCHASED FOR 2015	0 tCO₂e

TOTAL REDUCTION AND OFFSETS FOR 2015 (Total B+C+D) = 0 tCO₂e

Corporate GHG Emissions Balance for 2015

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 2015 = (A – (B+C+D)) = 1866.3 tCO₂e

**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. Recognition is provided on an annual basis to local governments who demonstrate progress on their Charter commitments, according to the following:

Level 1 - Progress on Charter Commitments: for local governments who demonstrate progress on fulfilling one or more of their Charter commitments

Level 2 - Measurement: for local governments 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 - Achievement of Carbon Neutrality: for local governments who achieve carbon neutrality in the reporting year.

Based on your local government's 2014 CARIP Public Report, please check the GCC Climate Action Recognition Program level that best applies:

<input type="checkbox"/>	Level 1 - Progress on Charter Commitments	
<input checked="" type="checkbox"/>	Level 2 - Measurement	X
<input type="checkbox"/>	Level 3 - Achievement of Carbon Neutrality	
<input type="checkbox"/>	Not Sure	