

2019 Climate Action Revenue Incentive Program (CARIP) Survey



Local Government: **Village of Radium Hot Springs**

Report Submitted by:

Name: Karen Sharp
Role: Chief Financial Officer
Email: karen.sharp@radiumhotsprings.ca
Phone: 250.347.6455

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The Village of Radium Hot Springs has completed the 2019 Climate Action Revenue Incentive Program (CARIP) Public Report as required by the Province of BC. The CARIP report summarizes actions taken in 2019 and proposed for 2020 to reduce corporate and community-wide energy consumption and greenhouse gas emissions (GHG) and reports on progress towards achieving carbon neutrality.

Name of Regional District: Regional District of East Kootenay

Does your region have a Regional Growth Strategy (RGS): Yes

Population: 0-4,999

Section 2 - Narrative Focus

Local government signatories to the B.C. Climate Action Charter have committed to taking climate action by:

- Working towards achieving corporate carbon neutrality;
- Measuring and reporting on their community-wide GHG emissions; and
- Creating complete, compact, energy-efficient communities.

A key part of the 2019 CARIP survey is to highlight and celebrate successful climate actions undertaken by local governments in British Columbia.

In 2019, what actions has your local government taken to support the creation of compact, complete, and energy efficient communities?

The Village of Radium Hot Springs continues to manage its community as a 'Smart City'. Keeping the community walkable and inclusive. The OCP and building bylaws encourage use of all energy efficient options available.

2019 CORPORATE CLIMATE ACTION:

Corporate climate actions refer to actions that reduce the GHG emissions produced as a result of a local government's delivery of "traditional services", including fire protection, solid waste management, recreational/cultural services, road and traffic operations, water and wastewater management, and local government administration.

In 2019, when it comes to corporate climate action, did your local government undertake any of the following:

- Building and Lighting Actions
- Energy Generation Actions
- Greenspace Actions
- Solid Waste Actions

- Transportation Actions
- Water and Wastewater Actions
- Other Climate Actions (PLEASE SPECIFY)

Please specify 'Other Climate Actions'

Fire Smart Awareness program.

When it comes to corporate Building and Lighting Actions, did your local government undertake any of the following in 2019:

- New or upgraded energy-efficient lighting systems

When it comes to corporate Energy Generation Actions, did your local government undertake any of the following in 2019:

- Heat recovery or heat reclamation projects

When it comes to corporate Greenspace Actions, did your local government undertake any of the following in 2019:

- Tree planting
- New or upgraded amenities in parks
- Invasive species management
- Plans or strategies related to greenspace

When it comes to corporate Solid Waste Actions, did your local government undertake any of the following in 2019:

- Studies or research related to corporate solid waste initiatives
- Plans or strategies related to corporate solid waste initiatives

When it comes to corporate Transportation Actions, did your local government undertake any of the following in 2019:

- New or improved electric vehicle initiatives

When it comes to corporate Water and Wastewater Actions, did your local government undertake any of the following in 2019:

- New or improved water or wastewater infrastructure
- Water reduction initiative(s)

2019 COMMUNITY-WIDE CLIMATE ACTION:

Community-wide actions refer to actions that reduce GHG emissions across the community (i.e. actions not related to “traditional services” in corporate operations).

When it comes to community-wide climate action in 2019, did your local government undertake any of the following:

- Building and Lighting Actions
- Greenspace Actions
- Solid Waste Actions
- Transportation Actions
- Water and Wastewater Actions

When it comes to community-wide Building and Lighting Actions, did your local government undertake any of the following in 2019:

- Outreach, education or communication related to energy-efficient building or lighting

When it comes to community-wide Greenspace Actions, did your local government undertake any of the following in 2019:

- Tree planting
- Invasive species management
- Plans or strategies related to greenspace

When it comes to community-wide Solid Waste Actions, did your local government undertake any of the following in 2019:

- Outreach, education or communication related to solid waste

When it comes to community-wide Transportation Actions, did your local government undertake any of the following in 2019:

- New or improved electric vehicle initiatives

When it comes to community-wide Water and Wastewater Actions, did your local government undertake any of the following in 2019:

- Water restrictions
- Outreach, education or communication related to water or wastewater

When it comes to the community-wide climate action, please highlight a significant action focused on reducing GHG emissions that your local government undertook in 2019:

Community-Wide Action #1

The Mayor supported a Motion at the regional district to pursue funding for a sub-regional organic waste diversion facility, seeking to significantly reducing the emissions associated with landfilling organic material.

2019 CLIMATE PREPAREDNESS AND ADAPTATION ACTION:

This section of the 2019 CARIP survey is designed to collect information related to the types of climate impacts local governments are experiencing and how they are being addressed.

Please identify the climate impacts that are most relevant to your local government:

- Increased temperatures fluencing species migration and ecosystem shifts
- Extreme weather events contributing to various consequences such as mudslides, avalanches, and slope instability
- Changes to temperature and precipitation causing seasonal drought increasing wildfire activity affecting air quality
- Warmer winter temperatures reducing snowpack

In 2019, did your local government take any of the following actions in an effort to consider or address the impacts of climate change?

- Emergency response planning
- Asset management
- Infrastructure upgrades
- Public education and awareness
- Risk and vulnerability assessments and risk reduction strategies

In 2019, did your local government partner with any of the following organizations to prepare for, and adapt to, a changing climate?

- Community Emergency Preparedness Fund (UBCM)

As mentioned, a key part of the 2019 CARIP survey is to highlight and celebrate successful climate actions undertaken by local governments in British Columbia. This question provides local governments the opportunity to demonstrate leadership and innovative approaches to adapting to a changing climate.

When it comes to climate preparedness and adaptation actions, please highlight up to two significant actions/initiatives that your local government undertook in 2019:

Adaptation Action #1

Design and construct the public works garage building with additional insulating material resistant to conductive heat flow to reduce the need for heating in winter and cooling in the summer.

Adaptation Action #2

The design and construction of the 'off-grid' public washroom facility at the Columbia River access point will eliminate the need for power and prevent light pollution. The location of the facility will also be protected from any potential flooding occurrences. The material of the facility will be concrete thus protecting the structure from any wildfire activity.

Section 3: 2019 Carbon Neutral Reporting

2019 CARBON EMISSIONS

Did your local government measure corporate GHG emissions for 2019? Yes

If your local government measured 2019 corporate GHG emissions, please report the number of corporate GHG emissions (in tonnes of carbon dioxide equivalent (tCO₂e)) from:

Service Delivery Type	2019 Corporate GHG Emissions
Services Delivered Directly by your Local Government	85
Contracted Services	9
TOTAL A - CORPORATE GHG EMISSIONS (DIRECT + CONTRACTED) FOR 2019:	94

2019 CARBON REDUCTIONS

To be carbon neutral, a local government must balance their TOTAL corporate GHG emissions generated in 2019 by one or a combination of the following actions:

- Undertake Green Communities Committee-supported Option 1 Project(s)
- Undertake Green Communities Committee-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 *Becoming Carbon Neutral: A Guidebook for Local Governments in British Columbia*.

If applicable, please report the 2019 GHG emissions reductions (in tonnes of carbon dioxide equivalent (tCO₂e)) being claimed from any of the following Option 1 GHG Reduction Projects:

Option 1 GHG Reduction Projects	2019 GHG Emissions Reductions
1D Low Emission Vehicles	7
TOTAL B - REDUCTIONS FROM ALL OPTION 1 PROJECTS FOR 2019:	7

TOTAL C - REDUCTIONS FROM ALL OPTION 2 PROJECTS FOR 2019: not applicable

2019 CARBON OFFSETS

TOTAL D - OFFSETS PURCHASED FOR 2019: not applicable

TOTAL REDUCTIONS AND OFFSETS FOR 2019 (Total B+C+D): 7

Corporate GHG Emissions Balance for 2019

CORPORATE GHG EMISSIONS BALANCE FOR 2019 = (Total A – (B+C+D)) 87

GREEN COMMUNITIES COMMITTEE CLIMATE ACTION RECOGNITION PROGRAM:

The joint Provincial-UBCM Green Communities Committee is suspending the Climate Action Recognition Program for the 2019 reporting year. This multi-level program provides the Green Communities Committee with an opportunity to review and publicly recognize the progress and achievements of each Climate Action Charter (Charter) signatory.

Recognition is typically 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, who measure 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 demonstrate significant action (corporately or community-wide) in reducing 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 corporate carbon neutrality in the reporting year.

Based on your local government's 2018 CARIP Climate Action/Carbon Neutral Progress Survey, please check the Green Communities Committee Climate Action Recognition Program level that best applies:

- 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

Does your local government set aside funds in a climate reserve fund or similar? Yes