

Climate Action Revenue Incentive Program (CARIP) Public Report
Climate Action Revenue Incentive (CARIP)
Public Report for YEAR 2013



Report Submitted by

Janis Bell, Chief Administrative Officer

May 23, 2014

General Information

**Name of Local Government: Cariboo
Regional District**

Member of Regional District (RD)

Regional Growth Strategy (RGS) in region No

Population 62,392

Table of Contents

- Community Wide Actions for 20132
 - 1.1 Measure2
 - Community Wide Measurement Actions.....2
 - 1.2 Plan.....2
 - Community Wide Targets2
 - 1.3 Reduce.....2
 - Supportive Community Wide Actions.....2
 - Direct Community Wide Actions.....5
- Corporate Actions for 20138
 - 2.1 Measure8
 - Corporate Measurement Actions8
 - 2.2 Reduce.....8
 - Supportive Corporate Actions.....8
 - Direct Corporate Actions10
 - 2.3 Corporate Innovation11
- Carbon Neutral Progress Reporting13
 - 3.1 Carbon Neutral Progress Reporting13
 - 3.2 Making Progress on Your Carbon Neutral Commitment.....13
 - 3.3 Offset Provider Information15

Community Wide Actions for 2013

1.1 Measure

Community Wide Measurement Actions

Question	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?
Answer	Yes
Additional Information	

1.2 Plan

Community Wide Targets

Question	Does your OCP(s) have targets, policies and actions to reduce GHG emissions, as per the requirements under the <i>Local Governments Act (LGA)</i> ? If yes, please identify the targets set. If no or in progress, please comment.
Answer	Yes
Additional Information	All Official Community Plans and Rural Land Use Bylaws include measurable reductions of 33% in community greenhouse gas emissions by the year 2020 and an 80% reduction by the year 2050 from 2007 levels.

1.3 Reduce

Supportive Community Wide Actions

Action Type	Broad Planning
Actions Taken this Year	In 2013, the Cariboo Regional District adopted a new Williams Lake Fringe Area Official Community Plan which incorporates Smart Growth for Rural Communities principles as well as a sustainability checklist for new developments. The same principles have been included in the new Quesnel Fringe Area Official Community Plan which is expected to be adopted in 2014.

Proposed Actions for Next Year	In 2014, we plan to adopt a new official community plan for the fringe area which incorporates the Smart Growth for Rural Communities principles including a sustainability checklist for new developments. Work will commence on a new Official Community Plan for the South Cariboo which will include the same principles. The Cariboo Regional District is working with the District of 100 Mile House on the development of an Integrated Community Sustainability Plan for the south Cariboo.
---------------------------------------	---

Action Type Building and Lighting

Actions Taken this Year	The new CRD owned Anahim Lake Airport terminal building was constructed with innovative methods and materials to reduce energy and GHG emissions which will be highlighted through “showcase” signage promoting these technologies to visitors. The West Fraser Volunteer Fire Department, operated by the Cariboo Regional District, obtained grant funding from BC Hydro and saw the first solar LED streetlight in the region installed at the intersection in front of the fire hall. This improvement to public safety was facilitated without increasing our carbon consumption.
--------------------------------	--

Proposed Actions for Next Year	Annually, the Regional District supports the Wood Stove Exchange program promoting more efficient and cleaner burning stoves. The Regional District actively pursues other opportunities as they arise.
---------------------------------------	---

Action Type Energy Generation

Actions Taken this Year	The Cariboo Regional District is a signatory to the Solar-Ready regulation for new dwellings and applied that regulation to new starts in 2013.
--------------------------------	---

Proposed Actions for Next Year	No specific planned activities at this time, although the CRD continues to seek opportunities to pilot a district heating system.
---------------------------------------	---

Action Type Green Space

Actions Taken this Year	Although an agricultural policy was drafted in 2013, staffing changes and other priorities prevented its final adoption which will carry forward to 2014.
--------------------------------	---

Proposed Actions for Next Year	Adopt an agricultural policy that addresses edge planning and retention of natural features.
---------------------------------------	--

Action Type

Transportation	
Actions Taken this Year	OCP policies encourage the development of trails and identify current and future trails.
Proposed Actions for Next Year	CRD will continue to encourage trail develops and bike access.

Action Type	Waste
Actions Taken this Year	The new 10 year solid waste management plan was adopted and implementation commenced. A pilot project was undertaken at the Lac La Hache transfer station to control access, allow recycling opportunities and change onsite processing to include compaction in order to reduce transportation costs and GHGs. For the period January to May, 2012, the site was serviced 239 compared to only 46 times for the same period in 2013. 193 truck hauling trips were avoided saving 5,790 litres of diesel from being burned and reducing costs by \$25,321 and GHG emissions. Similar operational changes were implemented at three other transfer stations in the fall of 2013. A “share shed” was replaced at the Frost Creek site to encourage the diversion of goods from the waste stream through re-use.
Proposed Actions for Next Year	The Wildwood, 150 Mile House, Frost Creek and Baker Creek transfer stations are scheduled to be converted to controlled sites in 2014 and will offer all of the same benefits realized at the Lac La Hache site.

Action Type	Water/Sewer
Actions Taken this Year	The low flush toilet rebate program was continued at 108 Mile as we continue to seek opportunities to reduce water consumption. Water conservation plans for the Canim Lake and Horse Lake water systems were adopted.
Proposed Actions for Next Year	The CRD will be constructing a new water system in the Gateway area to service 26 properties as the current system is in very poor condition and cannot reasonably be upgraded.

Action Type	Other Actions
Actions Taken this Year	The CRD produced and published a Climate Action Guide promoting the need to reduce GHGs and offering suggestions for residents to help in the overall reduction.
Proposed Actions for Next Year	

Direct Community Wide Actions

Action Type	Buildings
Actions Taken this Year	The Anahim Lake air terminal building was constructed using energy efficient techniques and will showcase those features to visitors. The Cariboo Regional District partnered with BC Hydro to implement energy efficiency initiatives at ten CRD facilities and completed the last of that work in 2013 with hundreds of thousands of dollars being invested in these projects.
Proposed Actions for Next Year	The CRD continues to maintain a funding envelope within its Community Works funds to facilitate the ongoing upgrade of community buildings by other groups.

Action Type	Energy Generation
Actions Taken this Year	Wood waste debris at landfills/transfer stations was chipped and hauled to co-generation plant in Williams Lake.
Proposed Actions for Next Year	Wood waste debris will continue to be chipped and hauled to the co-generation plan in Williams Lake.

Action Type	Transportation
Actions Taken this Year	The CRD has provided funding and partnered with community groups to develop accessible trails at various locations throughout the region. 7 trail projects were completed, while a further 7 others were commenced.
Proposed Actions for Next Year	Additional accessible trails are underway and anticipated to be completed in 2014.

Action Type	Waste
Actions Taken this Year	The new 10 year solid waste management plan was adopted and implementation commenced. A pilot project was undertaken at the Lac La Hache transfer station to control access, allow recycling opportunities and change onsite processing to include compaction in order to reduce transportation costs and GHGs. For the period January to May, 2012, the site was serviced 239 compared to only 46 times for the same period in 2013. 193 truck hauling trips were avoided saving 5,790 litres of diesel from being burned and reducing costs by \$25,321 and GHG emissions. Similar operational changes were implemented at three other transfer stations in the fall of 2013. A "share shed" was replaced at the Frost

	Creek site to encourage the diversion of goods from the waste stream through re-use.
Proposed Actions for Next Year	The Wildwood, 150 Mile House, Frost Creek and Baker Creek transfer stations are scheduled to be converted to controlled sites in 2014 and will offer all of the same benefits realized at the Lac La Hache site. Each of the new controlled sites will allow recycling and extensive promotion will be undertaken to encourage this new access to waste stream diversion opportunities.

Action Type	Water/Sewer
Actions Taken this Year	The low flush toilet rebate program was continued at 108 Mile as we continue to seek opportunities to reduce water consumption. Water conservation plans for the Canim Lake and Horse Lake water systems were adopted. OCPs have water conservation statements relating to low flow plumbing fixtures, encourage rainwater conservation, etc.
Proposed Actions for Next Year	The CRD will be constructing a new water system in the Gateway area to service 26 properties as the current system is in very poor condition and cannot reasonably be upgraded. OCPs will continue to contain statements relating to low flow plumbing fixtures, rainwater conservation, etc.

Action Type	Green Space
Actions Taken this Year	The CRD continues to be an active participant in UBCM's interface fire fuel mitigation program. Invasive plant management programs are ongoing and efficiencies are being sought through operational modifications.
Proposed Actions for Next Year	The CRD continues to be an active participant in UBCM's interface fire fuel mitigation program. Invasive plant management programs are ongoing and efficiencies are being sought through operational modifications.

Action Type	Other Actions
Actions Taken this Year	The CRD produced and published a Climate Action Guide promoting the need to reduce GHGs and offering suggestions for residents to help in the overall reduction.
Proposed Actions for Next Year	

Question	Is there any activity that you have been engaged in over the past year(s) that you are
-----------------	---

particularly proud of and would like to share with other local governments? Please describe and add links to additional information where possible.

Answer

The process to develop, adopt and implement a new ten year solid waste management plan was an extensive one that had tremendous public engagement through our “Talk Trash” communication strategy. The plan will guide our solid waste practices into the future and will significantly reduce GHG emissions from past practices and heighten waste stream diversion.

Corporate Actions for 2013

2.1 Measure

Corporate Measurement Actions

Question	What steps has your local government taken toward completing its corporate emissions inventory?
Answer	An inventory of “traditional services” corporate assets and contracted services has been developed. Contracts for those traditional services that are contracted out have been amended to require detailed reporting of fuel consumption for monitoring and reporting purposes.

Question	What tool are you using to measure, track and report on your corporate emissions?
Answer	The CRD is using the SMARTtool to track and report on GHG emissions.

2.2 Reduce

Supportive Corporate Actions

Action Type	Broad Planning
Actions Taken this Year	Research was carried out in preparation for undertaking a corporate emissions reduction strategy, however, staffing retirements and changes throughout the year, impeded our ability to move forward with this initiative other than to complete the specific initiatives noted herein. The CRD did, however, produce and publish a Climate Action Guide to promote the need to reduce emissions and provide easy tips for how residents can help to achieve that.
Proposed Actions for Next Year	Staff will continue to work towards the development of a corporate greenhouse gas emissions reduction strategy in 2014 and will be tasking new positions with that responsibility.

Action Type	Building and Lighting
Actions Taken this	Work to fully implement the comprehensive energy studies of ten regional district facilities

Year	with the highest energy consumption was completed in 2013. The Anahim Lake airport terminal building was constructed using energy saving techniques.
Proposed Actions for Next Year	Data and recommendations from the comprehensive energy studies undertaken and implemented on ten CRD facilities will be used to inform energy projects in other CRD facilities.

Action Type	Energy Generation
Actions Taken this Year	The comprehensive energy studies on the ten facilities included a feasibility analysis of solar air heating, solar water heating, solar photo-voltaic and wind power.
Proposed Actions for Next Year	The information gathered will be used to inform other projects.

Action Type	Transportation
Actions Taken this Year	Anti-idling policy is in place for all corporate vehicles. Staff are advised to coordinate travel needs with colleagues to reduce total travel wherever possible.
Proposed Actions for Next Year	Anti-idling policy is in place for all corporate vehicles. Staff are advised to coordinate travel needs with colleagues to reduce total travel wherever possible.

Action Type	Water/Sewer
Actions Taken this Year	Water conservation efforts have been promoted through mail-outs, partnering with conservation groups, implementing sprinkling restrictions and a low flush toilet rebate program.
Proposed Actions for Next Year	These conservation measures will continue to be promoted and expanded where possible.

Action Type	Other Actions
Actions Taken this Year	
Proposed Actions for Next Year	

Direct Corporate Actions

Action Type	Building and Lighting
Actions Taken this Year	Work to fully implement the comprehensive energy studies of ten regional district facilities with the highest energy consumption was completed in 2013. The Anahim Lake airport terminal building was constructed using energy saving techniques.
Proposed Actions for Next Year	Data and recommendations from the comprehensive energy studies undertaken and implemented on ten CRD facilities will be used to inform energy projects in other CRD facilities.

Action Type	Energy Generation
Actions Taken this Year	The analyses of solar and wind alternative energy systems undertaken by energy consultants on CRD facilities are available to inform other projects.
Proposed Actions for Next Year	The analyses of solar and wind alternative energy systems undertaken by energy consultants on CRD facilities are available to inform other projects.

Action Type	Fleet
Actions Taken this Year	Anti-idling policy in place for corporate vehicles. Car pooling encouraged whenever practical.
Proposed Actions for Next Year	Anti-idling policy in place for corporate vehicles. Car pooling encouraged whenever practical.

Action Type	Waste
Actions Taken this Year	The new 10 year solid waste management plan was adopted and implementation commenced. A pilot project was undertaken at the Lac La Hache transfer station to control access, allow recycling opportunities and change onsite processing to include compaction in order to reduce transportation costs and GHGs. For the period January to May, 2012, the site was serviced 239 compared to only 46 times for the same period in 2013. 193 truck hauling trips were avoided saving 5,790 litres of diesel from being burned and reducing costs by \$25,321 and GHG emissions. Similar operational changes were implemented at three other transfer stations in the fall of 2013. A “share shed” was replaced at the Frost

	Creek site to encourage the diversion of goods from the waste stream through re-use.
Proposed Actions for Next Year	The Wildwood, 150 Mile House, Frost Creek and Baker Creek transfer stations are scheduled to be converted to controlled sites in 2014 and will offer all of the same benefits realized at the Lac La Hache site. Each of the new controlled sites will allow recycling and extensive promotion will be undertaken to encourage this new access to waste stream diversion opportunities.

Action Type	Water/Sewer
Actions Taken this Year	Water conservation efforts have been promoted through mail-outs, partnering with conservation groups, implementing sprinkling restrictions and a low flush toilet rebate program.
Proposed Actions for Next Year	Water conservation measures will continue to be promoted.

Action Type	Green Space
Actions Taken this Year	
Proposed Actions for Next Year	

Action Type	Other Actions
Actions Taken this Year	
Proposed Actions for Next Year	

2.3 Corporate Innovation

Question	Is there any activity that you have been engaged in over the past year(s) that you are particularly proud of and would like to share with other local governments? Please describe and add links to additional information where possible.
Answer	

Carbon Neutral Progress Reporting

3.1 Carbon Neutral Progress Reporting

Emissions/Offsets	Tonnes CO2e
Annual corporate emissions using SMARTTool or equivalent inventory tool	
<i>Emissions from services delivered directly by the local government</i>	1215
<i>Emissions from contracted services</i>	645.51
Less: GHG reductions being claimed for this reporting year from Option 1 - GHG reduction project	
<i>Energy Efficient Building Retrofits and Fuel Switching</i>	
<i>Solar Thermal</i>	
<i>Household Organic Waste Composting</i>	
<i>Low Emissions Vehicles</i>	
Less: GHG reductions being claimed for this reporting year from Option 2 - GHG reduction projects	
<i>Option 2 Project A</i>	
<i>Option 2 Project B</i>	
<i>Sum of Other Option 2 Projects (if you have added projects below)</i>	
Less: <i>Offsets purchased for this reporting year (Option 3). Please identify your offset provider in the offset provider information section below.</i>	
Balance of corporate emissions for this reporting year. <i>(If the corporate emissions balance is zero, your local government is carbon neutral for this reporting year)</i>	
Additional "Option 2" Projects	
<i>Option 2 Project C</i>	
<i>Option 2 Project D</i>	
<i>Option 2 Project E</i>	
<i>Option 2 Project F</i>	
<i>Option 2 Project G</i>	
<i>Option 2 Project H</i>	

3.2 Making Progress on Your Carbon Neutral Commitment

Question	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.
Answer	

3.3 Offset Provider Information

Question Please Identify the name(s) of your offset provider(s) (Please answer below):

Answer

Question The offsets being claimed in this CARIP Report were purchased from the offset provider(s) indicated above prior to making this CARIP report public (please indicate yes or no):

Answer

Question 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.

Answer