

Climate Action Revenue Incentive Plan (CARIP) Public Report

Climate Action Revenue Incentive (CARIP) Public Report for 2012



*Regional District of Central
Kootenay*

Reported by
Nicole Ward

*Environmental Services
Coordinator
nward@rdck.bc.ca
250-352-8192*



Table of Contents

- [General Information](#)
- [Community -Wide Actions](#)
 - 1.1 - [Measure](#)
 - 1.2 - [Plan](#)
 - 1.3 - [Reduce](#)
 - [Supportive](#)
 - [Direct](#)
 - 1.4 - [Community Wide Innovation](#)
- [Corporate Actions](#)
 - 2.1 - [Measure](#)
 - 2.2 - [Reduce](#)
 - [Supportive](#)
 - [Direct](#)
 - 2.3 - [Corporate Innovations](#)
- [Carbon Neutral Progress Reporting](#)

General Information

Name of Local Government	<i>Regional District of Central Kootenay</i>
Member of Regional District (RD)	
Regional Growth Strategy (RGS) in region	<i>No</i>
Population	<i>60,896</i>

Community-Wide Actions for 2012

1.1 Measure

Community-Wide Measurement Actions

Question	Have you been using the <i>Community Energy and Emissions Inventory (CEEI)</i> to measure progress? What else have you been using instead of/in addition to CEEI?
Answer	Yes
Additional Information	SMARTtool

1.2 Plan

Community-Wide Targets

Question	Do 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	15% from baseline levels (2007) by 2020 and 25% from baseline levels by 2030

Question	If you are a Regional District, does your RGS 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	No
Additional Information	Not currently under consideration

1.3 Reduce

Supportive Community-Wide Actions

Action Type	Broad Planning (e.g. creation/revision of OCPs, CEPs, transportation plans)
Actions Taken this Year	<i>Amended OCPs and Rural Land Use Bylaws to establish targets, policies, and actions relating to GHG reduction; Financially supported (through Carbon Neutral Kootenays initiative) development of Greenhouse Gas Emissions Reduction Plans by local municipalities.</i>
Proposed Actions for Next Year	<i>Continue financial support for municipal efforts to plan and prepare for greenhouse gas emissions reduction.</i>

Action Type	Building and Lighting (e.g. developed green building policy, increased density in the downtown)
Actions Taken this Year	<i>Development of streetlight upgrade for RDCK Areas G,H,I and J.</i>
Proposed Actions for Next Year	<i>Conversion of streetlights in portions of the RDCK to LED technology.</i>

Action Type	Energy Generation (e.g. signed on to provincial 'solar ready' regulation, explored options for bioheating for buildings)
Actions Taken this Year	
Proposed Actions for Next Year	

Action Type	Green Space (e.g. developed urban forestry policy, adopted park acquisition policy)
Actions Taken this Year	

Proposed Actions for Next Year	

Action Type	Transportation (e.g. developed sustainable transportation plan, completed bicycle master plan)
Actions Taken this Year	<i>Supported BC Transit in development of regional transit plan.</i>
Proposed Actions for Next Year	<i>Continue to work with BC Transit develop West Kootenay Regional Transit Initiative.</i>

Action Type	Waste (e.g. introduced composting and recycling education programs)
Actions Taken this Year	<i>Delivered an advertising campaign focused on waste reduction and environmental stewardship; funded local composting education efforts; funded an elementary school program focused on zero waste and environmental stewardship; Hosted two 'Trash to Treasure' community events; Hosted four Household Hazardous Waste Round-up Events.</i>
Proposed Actions for Next Year	<i>Continue existing partnerships to deliver educational programming.</i>

Action Type	Water/Sewer (e.g. participated in water smart initiatives, implemented Water Action Plan, introduced rebates on low flush toilets)
Actions Taken this Year	<i>Participated in Columbia Basin Trust's Water Smart initiative; Developed seasonal 'Water Smart Ambassador' position, which delivered a water conservation education program; initiated a water metering assessment for Erickson as part of the Water Smart Action Plan; promoted Drinking Water Week.</i>
Proposed Actions for Next Year	<i>Continue to participate in the CBT Water Smart initiative; Initiate Water Smart Action Plan components; and promote Regional District wide water conservation efforts.</i>

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

Direct Community-Wide Actions

Action Type	Buildings (e.g. implement use of sustainability checklists and development permit guidelines for new buildings)
Actions Taken this Year	<i>Castlegar Rec Centre Hot Water Boiler upgrade; Fire Hall energy efficiency upgrade projects for 4 RDCK Slocan Valley fire departments – Crescent Valley, Passmore, Winlaw, and Slocan;</i>
Proposed Actions for Next Year	<i>Continue commitment of Community Works funds to building retrofits; Fire Hall energy efficiency upgrade projects for North Shore and Beasley.</i>

Action Type	Energy Generation (e.g. implement district energy, geothermal, solar)
Actions Taken this Year	
Proposed Actions for Next Year	<i>Continue commitment of Community Works funds to alternative energy generation</i>

Action Type	Transportation (e.g. implement bike lanes, pedestrian paths, upgrade transit service and infrastructure, improve roads, parking fees etc.)
Actions Taken this Year	<i>Supported BC Transit in development of regional transit plan; Upgraded RDCK fleet (4 new vehicles purchased using life cycle cost analysis).</i>
Proposed Actions for Next Year	<i>Continue to work with BC Transit develop West Kootenay Regional Transit Initiative; Upgrade RDCK fleet, additional 4 vehicles purchased using life-cycle cost analysis.</i>

Action Type	Waste (e.g. introduce composting and recycling programs)
Actions Taken this Year	<i>Delivered community composting education, and waste reduction education program in RD schools.</i>
Proposed Actions for Next Year	<i>Continue existing partnerships to deliver educational programming.</i>

Action Type	Water/Sewer (e.g. implement water conservation and reduction initiatives)
Actions Taken this Year	<i>Participated in the CBT Water Smart Program in the community of Erickson; Promotion of water conservation measures throughout the region.</i>
Proposed Actions for Next Year	<i>Continue commitment of Community Works Funds to water conservation projects</i>

Action Type	Green Space (e.g. plant trees, conserve forest etc.)
Actions Taken this Year	<i>Multi-stakeholder trail maintenance workshop; public education; new public parks facilities with solar LED lighting.</i>
Proposed Actions for Next Year	<i>Focus on invasive plant species management within our parks. Promote growth of indigenous species (long term reduction of CO2 based on the revitalization of larger plant species). Tree planting (for every tree removed, two will be planted) through Danger Tree Assessments (Parks). Increase in green space from some land acquisition through land donation.</i>

Action Type	Other Actions
Actions Taken this Year	<i>Administered a woodstove exchange rebate program;</i>

Proposed Actions for Next Year	Continue woodstove exchange rebate program; Provide public education opportunities.
--------------------------------	--

1.4 Community Wide 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	Continued participation as a key stakeholder in the Carbon Neutral Kootenay's Project. Establish a Corporate Energy Conservation Reserve Fund for allocation towards local energy efficiency projects.

Corporate Actions for 2012

2.1 Measure

Corporate Measurement Actions

Question	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)?
Answer	Corporate GHG emissions inventories completed for 2008, 2009, 2010 & 2011. 2012 inventory is in progress. RDCK will work towards carbon neutrality in 2013 and as such have established a Corporate Energy Conservation Reserve Fund for allocation towards local energy efficiency projects that reduce CO2 and or the purchase of offsets.

Question	What tool are you using to measure, track and report on your corporate emissions (e.g. SMARTtool, other tools including excel spreadsheets)?
Answer	GHG emissions inventory spreadsheet developed by the Carbon Neutral Kootenays project (2008-2010); SMARTtool (2011 & 2012).

2.2 Reduce

Supportive Corporate Actions

Action Type	Broad Planning (e.g. developed corporate climate action plan)
Actions Taken this Year	Developed a regional offsets strategy through the Carbon Neutral Kootenay's Project.
Proposed Actions for Next Year	Work towards carbon neutrality by initiating/investing in local CO2 reduction projects and or by purchasing offsets. Participate in the Kootenay Energy Diet Program.

Action Type	Building and Lighting (e.g. developed energy reduction plan for all corporate buildings)
Actions Taken this Year	
Proposed Actions for Next Year	Develop green buildings policy.

Action Type	Energy Generation (e.g. undertook feasibility study of green energy generation for civic buildings)
Actions Taken this Year	
Proposed Actions for Next Year	

Action Type	Transportation (e.g. created anti-idling policy for city vehicles, bike to work week promotion)
Actions Taken this Year	

Proposed Actions for Next Year	
--------------------------------	--

Action Type	Waste(e.g. completed waste audit of City Hall)
Actions Taken this Year	Resource Recovery Plan was approved by the Ministry of Environment and adopted by the Board.
Proposed Actions for Next Year	Initiate <i>capital projects in the Resource Recovery plan.</i>

Action Type	Water/Sewer (e.g. completed study of sewer and water energy use)
Actions Taken this Year	Commenced a water metering assessment for Erickson (in progress).
Proposed Actions for Next Year	Completion of water metering assessment; Amendment of the Water Rates and Regulations bylaw.

Action Type	Other Actions
Actions Taken this Year	Investigate <i>undertaking energy assessments for RDCK buildings.</i>
Proposed Actions for Next Year	Undertake <i>energy assessments on RDCK buildings (fire halls).</i>

Direct Corporate Actions

Action Type	Building and Lighting (e.g. energy efficiency retrofits to municipal buildings)
Actions Taken this Year	<i>Completed additional energy efficiency retrofits to community complexes; Developed LED street lighting upgrade proposal.</i>
Proposed Actions for Next Year	<i>Complete energy assessments on RDCK fire halls; complete LED street lighting upgrade project.</i>

Action Type	Energy Generation (e.g. implemented heat recovery systems, solar)
Actions Taken this Year	
Proposed Actions for Next Year	

Action Type	Fleet (e.g. anti-idling policies for fleet vehicles, purchasing of hybrid)
Actions Taken this Year	<i>Began acquisition process for new, more efficient fleet vehicles.</i>
Proposed Actions for Next Year	<i>Complete acquisition process for new, more efficient fleet vehicles.</i>

Action Type	Waste (e.g. introduction of composting and recycling programs and education)
Actions Taken this Year	<i>Initiated implementation of Resource Recovery Plan projects.</i>
Proposed Actions for Next Year	<i>Install stationary bins at transfer station facilities, which will improve efficiency of waste hauling system; Undertake engineering for landfill gas collection system at Ootischenia landfill;</i>

Action Type	Water/Sewer (e.g. initiated water conservation and reduction initiatives)
Actions Taken this Year	Implemented <i>Water Smart Action Plan initiatives for Erickson water system; commenced water metering assessment.</i>
Proposed Actions for Next Year	Installation of <i>lateral meters on Erickson water system. Completion of water metering assessment.</i>

Action Type	Green Space (e.g. planting of trees)
Actions Taken this Year	Multi-stakeholder <i>trail maintenance workshop; public education; new public parks facilities with solar LED lighting.</i>
Proposed Actions for Next Year	Focus on <i>invasive plant species management within our parks. Promote growth of indigenous species (long term reduction of CO2 based on the revitalization of larger plant species). Tree planting (for every tree removed, two will be planted) through Danger Tree Assessments (Parks). Increase in green space from some land acquisition through land donation.</i>

Action Type	Other Actions
Actions Taken this Year	Continued <i>gradual conversion to thin client workstations at RDCK head office.</i>
Proposed Actions for Next Year	

2.3 Corporate Innovations

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	Participated in the Carbon Neutral Kootenays project, an inter-governmental partnership that supports Kootenay local governments in reducing GHG emissions and achieving Climate Action Charter commitments.
--------	--

Carbon Neutral Progress Reporting

Tonnes CO2e

Annual corporate emissions using SMARTTool or equivalent inventory tool 2419.87

Emissions from services delivered directly by the local government 2095.32

Emissions from contracted services 324.55

9.09

Less:

GHG reductions being claimed for this reporting year from Option 1 - GHG reduction project

Energy Efficient Building Retrofits and Fuel Switching (See Note below) 9.09

Solar Thermal 0

Household Organic Waste Composting 0

Low Emissions Vehicles 0

0

Less:

GHG reductions being claimed for this reporting year from Option 2 - GHG reduction projects

Please list all Option 2 Projects Implemented (insert title of the projects(s) as per project plan template. If you have more than two Option 2 projects you can add more lines at the bottom of this sheet)

0

Less:

Offsets purchased for this reporting year (Option 3). Please identify your offset provider in the offset provider information section below.

Balance of corporate emissions for this reporting year.

(If the corporate emissions balance is zero, your local government is carbon neutral for this reporting year)

Making Progress on Your Carbon Neutral Commitment

Question	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>
Answer	2410.78

Offset Provider	
We have already purchased	
Or, will purchase by June 1, 2013	