

CLIMATE ACTION REVENUE INCENTIVE PROGRAM (CARIP) PUBLIC REPORT

For Reporting Year = **2013**

GENERAL INFORMATION	Fill in the boxes below
Name of Local Government	Corporation of the City of Cranbrook
Member of Regional District (RD)	Regional District of East Kootenay
Regional Growth Strategy (RGS) in region	In Progress
Population	19,319
Report Submitted by	
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Community-Wide Actions

1.1 MEASURE		
Community Wide Measurement Actions QUESTION	ANSWER	ADDITIONAL INFORMATION
<p>Have you been using the <i>Community Energy and Emissions Inventory</i> (CEEI) to measure progress? What else have you been using instead of/in addition to CEEI?</p>	Yes	<p>The City is currently utilizing CEEI to measure progress. It is important to note that Cranbrook is a regional transportation and service hub which heavily skews GHG emissions profile when compared to other regional municipalities. The City does focus on Corporate energy consumption analysis and is an active partner to the Kootenay Carbon Neutral project.</p>
1.2 PLAN		
Community Wide Targets QUESTION	ANSWER	ADDITIONAL INFORMATION
<p>Do your OCP(s) have targets, policies and actions to reduce GHG emissions, as per the requirements under the <i>Local Governments Act</i> (LGA)? If yes, please identify the targets set. If no or in progress, please comment.</p>	Yes	<p>The City's OCP of 2012 met minimum requirements under the LGA for stipulated GHG policies. The City adopted an Integrated Community Sustainability Plan, completed by an independent volunteer committee in 2011, following substantial public input. The Plan advances numerous goals, many related to GHG emissions reduction. Administration is partially updating the OCP in 2013, as per direction of Council and is expected to reflect numerous recently completed technical documents, including the ICSP.</p>

1.3 REDUCE

Supportive Community-Wide Actions

Supportive Community-Wide Actions

Broad Planning (e.g. creation/revision of OCPs, CEPs, transportation plans)

Building and Lighting (e.g. developed green building policy, increased density in the downtown)

Energy Generation (e.g. signed on to provincial 'solar ready' regulation, explored options for bioheating for buildings)

Green Space (e.g. developed urban forestry policy, adopted park acquisition policy)

Transportation (e.g. developed sustainable transportation plan, completed bicycle master plan)

Waste (e.g. introduced composting and recycling education programs)

Water/Sewer (e.g. participated in water smart initiatives, implemented Water Action Plan, introduced rebates on low flush toilets)

Other Actions

Direct Community-Wide Actions

Community-Wide Direct Actions

Actions Taken in 2013

Partial revision of OCP undertaken in 2013 to incorporate ICSP, Growth Management Strategy, Asset Management Plan, Storm Water Management Plan and some technical updates.

Continued moving forward on Bioenergy project.

Continued to manage Urban Forest in accordance with Urban Forest Management Plan as resources permitted. Continued with 1% cumulative tax rate commitment to roads upgrade/replacement.

Continued toilet rebate program in 2013 (\$10,000 per year, 200 toilets); public education program for water conservation (\$20,000 per year); continued Water Loss Program (\$100,000 per year).

Proposed Actions for 2014

Budget permitting, all City owned streetlights (1200 total streetlights) to be converted to LED lightbulbs and fixtures over three (3) years (2014 to 2016).

Continue toward completion and implementation of Bioenergy initiative. Micro-Generation Study and Design for municipal water system planned for 2014; pilot micro-generation stations intended to be brought online in 2016 (provincial grant funding pending)

Continue to manage Urban Forest in accordance to the Urban Forest Management Plan as resource permit. Will continue in 2014 with 1% cumulative tax rate commitment to roads upgrade/replacement.

Toilet Rebate program renewed for 2014 (\$10,000 for 200 toilets); public education program including a Water Smart Ambassador position creation for water conservation (\$20,000 in 2014) and continuing with Water Loss Program (\$100,000 in 2014).

Actions Taken in 2013

Proposed Actions for 2014

<p>Buildings (e.g. implement use of sustainability checklists and development permit guidelines for new buildings)</p> <p>Energy Generation (e.g. implement district energy, geothermal, solar)</p> <p>Transportation (e.g. implement bike lanes, pedestrian paths, upgrade transit service and infrastructure, improve roads, parking fees etc.)</p> <p>Waste (e.g. introduce composting and recycling programs)</p> <p>Water/Sewer (e.g. implement water conservation and reduction initiatives)</p> <p>Green Space (e.g. plant trees, conserve forest etc.)</p> <p>Other Actions</p>	<p>Continued green energy retrofits as budget permitted in 2013.</p> <p>Continued biomass feasibility analysis and district heating study into 2014.</p> <p>Continued work to complete extension of regional Rotary Trail system to build/sign key links to Rails-To-Trails. Continued roads rehabilitation program.</p> <p>Continued Water Loss Program (\$100,000 per annum to reduce water loss in distribution system). Continued public education/awareness program. Completed Phase 2 of the Wastewater Improvement Project at the City's spray irrigation property. Low Flow Toilet rebate program offered to residents in 2013.</p> <p>Over 300 new trees planted in the City of Cranbrook in 2013 in accordance with the Urban Forest Management Plan and with some financial support from BC Hydro in 2013.</p>	<p>Continue energy retrofits in 2014 as budget permits, in conjunction with new municipal Energy Manager.</p> <p>Continue biomass feasibility analysis and district heating study into 2015.</p> <p>Funds permitting, complete the extension of regional Rotary Trail system to build/sign key links to Rails-To-Trails. Roads rehabilitation program to continue in 2014.</p> <p>Continue both the Water Loss Program and Public Education/Awareness program for wise water use in 2014. Low Flow Toilet rebate program renewed for 2014.</p> <p>Funds permitting, new trees will continue to be planted in accordance with the Urban Forest Management Plan in 2014.</p>
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1.4 COMMUNITY-WIDE INNOVATION

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

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Corporate Actions

2.1 MEASURE		
Corporate Measurement Actions	Answer	
<p>QUESTION</p> <p>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)?</p> <p>What tool are you using to measure, track and report on your corporate emissions (e.g. SMARTtool, other tools including excel spreadsheets)?</p>	<p>The City of Cranbrook completed its energy consumption reporting for all energy use (electricity, natural gas, propane, gasoline, diesel) starting in 2009 through to and including 2012. The City is a partner in the Kootenay Carbon Neutral Project. The City has also hired in 2013, in partnership with BC Hydro, a municipal energy manager.</p> <p>Since 2012, the City of Cranbrook is using SMARTTool to measure and report its carbon emissions.</p>	
2.2 REDUCE		
Supportive Corporate Actions	Actions Taken in 2013	Proposed Actions for 2014
<p>Supportive Corporate Actions</p> <p><i>Broad Planning</i> (e.g. developed corporate climate action plan)</p>	<p>City hired, in partnership with BC Hydro, a municipal energy manager, who will assist the corporation in its overall plan to reduce all energy consumption at all City owned and operated facilities through at least until 2016. Energy audit for Western Financial Place (Aquatic Centre/ Arena) completed in 2013.</p>	<p>City municipal energy manager to continue to assist the corporation in its overall plan to reduce all energy consumption at all City owned and operated facilities.</p>

Building and Lighting (e.g. developed energy reduction plan for all corporate buildings)

Energy Generation (e.g. undertook feasibility study of green energy generation for civic buildings)

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

Waste (e.g. completed waste audit of City Hall)

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

Other Actions

Budget permitting, all City owned streetlights (1200 total streetlights) to be converted to LED lightbulbs and fixtures over three (3) years (2014 to 2016).

Micro- Generation Study and Design for municipal water system planned for 2014; pilot micro-generation stations intended to be brought online in 2016 (provincial grant funding pending).

Newly upgraded systems at City Wastewater Treatment facility to be monitored for energy consumption. City also hired a municipal energy manager in 2013.

Monitoring to continue through 2014 in part by new municipal energy manager.

Direct Corporate Actions

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

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

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

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

Actions Taken in 2013

Continued to retrofit in 2013 as budget permitted.

Fleet updated with newer, more efficient vehicles in 2013

Continued to support Regional District of East Kootenay (RDEK) initiatives, specifically around education.

Proposed Actions for 2014

Will continue to retrofit in 2014 as budget allows

Micro- Generation Study and Design for municipal water system planned for 2014; pilot micro-generation stations intended to be brought online in 2016 (provincial grant funding pending).

Will continue to update fleet as budget permits in 2014.

Will continue to support Regional District initiatives.

<p>Water/Sewer (e.g. initiated water conservation and reduction initiatives)</p>	<p>\$20,000 budget to public education and water conservation Home to Home program (Year 4 of a 5 year commitment) \$100,000 per annum budget to reduce water loss in distribution system Continued Low Flow Toilet Rebate program for residential properties.</p>	<p>Continue public education program at \$20,000 per year through 2015. Continue weater loss reduction program through 2015. Both items, budget permitting. Low Flow Toilet rebate program for residential properties continued for 2014.</p>
<p>Green Space (e.g. planting of trees)</p>	<p>The City follows its Urban Forest Management Plan and partners (Trees For Life, BC Hydro) on numerous projects.</p>	<p>Will continue to follow City's Urban Forest Management Plan.</p>
<p>Other Actions</p>	<p>Energy Feasibility study final report received in late 2013 and currently being reviewed by staff. Will assist administration with direction on ways to save energy and money, by changing operational procedures, retrofits, etc.</p>	<p>Energy Feasibility study report to be brought forward to Council in 2014. New municipal energy manager will take lead in implementation of recommendations in partnership with various adminstrative departments.</p>

2.3 CORPORATE INNOVATION

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
 Bio Energy project initiated in 2011. As indicated in 2011 report, this project not yet ready for release. Project remains in startup/analysis phase through the Economic Development Office. To date includes numerous partners including Local First Nations (St. Mary's Band) and Regional municipalities. Exploring significant, long term off-shore markets for sustainable harvest alternative biomass fuels.

You MUST fill this in for the 2013 reporting year.

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Carbon Neutral Progress Reporting

<p>Is this your Final or Interim CARIP Report for 2013 ?</p> <p>Emissions/Offsets</p>	<p>Final</p> <p>Tonnes CO2e</p> <p>Enter Values in White Boxes</p>	
<p>Annual corporate emissions using SMARTTool or equivalent inventory tool</p>	<p>1701</p>	<p>(+)</p>
<p><i>Emissions from services delivered directly by the local government</i></p> <p><i>Emissions from contracted services</i></p>		
<p>Less:</p> <p>GHG reductions being claimed for this reporting year from Option 1 - GHG reduction project</p>	<p>0</p>	<p>(-)</p>
<p><i>Energy Efficient Building Retrofits and Fuel Switching</i></p> <p><i>Solar Thermal</i></p> <p><i>Household Organic Waste Composting</i></p> <p><i>Low Emissions Vehicles</i></p>		
<p>Less:</p> <p>GHG reductions being claimed for this reporting year from Option 2 - GHG reduction projects</p> <p><i>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)</i></p>	<p>0</p>	<p>(-)</p>
<p><i>Option 2 Project A</i></p> <p><i>Option 2 Project B</i></p>		
<p><i>Sum of Other Option 2 Projects (if you have added projects below)</i></p>	<p>0</p>	

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. <i>(If the corporate emissions balance is zero, your local government is carbon neutral for this reporting year)</i>	1701
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.	
<i>In 2013, the City of Cranbrook hired an energy manager, in partnership with BC Hydro, to help reduce overall energy requirements of the Corporation, but also work toward becoming more carbon neutral. As the City does each year, staff in our Public Works department will continually work toward finding ways of reducing our energy needs and carbon footprint through regular maintenance and repairs to City facilities, using more energy efficient supplies, the retrofit of heating/cooling/lighting equipment and replacement of machinery and equipment as required. The City has also completed an energy audit study, with assistance from a third party, at the City's largest recreation facility Western Financial Place, which houses a large ice surface and aquatic centre. The results of the study will be presented to Council in 2014, who in turn will use this study to help better direct funds to help lower energy consumption at the facility moving forward, through energy capture and retrofit.</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>	
Offset Provider Information	
(i) Please Identify the name(s) of your offset provider(s) (Please answer below) :	
(ii-a) 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) :	
OR (ii-b) There is a signed agreement in place between the reporting local government and the offset provider(s) indicated above to purchase the offsets by no later than June 1, 2014 (please indicate yes or no) :	

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