

CLIMATE ACTION REVENUE INCENTIVE PROGRAM (CARIP) PUBLIC REPORT

For Reporting Year = 2012

Community-Wide Actions

1.1 MEASURE

Community Wide Measurement Actions QUESTION

ANSWER

ADDITIONAL INFORMATION

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?

Yes

The City has received CEEI noting 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.

1.2 PLAN

Community Wide Targets QUESTION

ANSWER

ADDITIONAL INFORMATION

Do your OCP(s) have targets, policies and actions to reduce GHG emissions, as per the requirements under the *Local Governments Act* (LGA)? If yes, please identify the targets set. If no or in progress, please comment.

Yes

The City's current OCP meets 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 updating the OCP in 2013, as per direction of Council and is expected to reflect numerous recently completed technical documents, including the ICSP.

If you are a Regional District, does your RGS have targets, policies and actions to reduce GHG emissions, as per the requirements under the *Local Governments Act* (LGA)? If yes, please identify the targets set. If no or in progress, please comment.

1.3 REDUCE

Supportive Community-Wide Actions

Please describe the supportive community-wide actions you have taken in 2012 (or propose to take in 2013) to contribute to reducing GHG emissions and energy consumption in your community.

Supportive actions refer to activities that provide a framework or foundation for direct actions to be implemented. These include the development of committees or new staff positions, education and engagement, feasibility studies, policy development and engagement with programs and partnerships.

If your actions do not fit into the given categories please describe them under "other actions".

<http://www.cscd.gov.bc.ca/lgd/greencommunities/carip.htm>

Actions reported in these categories in 2010 and 2011 can be found here:

Supportive Community-Wide Actions	Actions Taken in 2012	Proposed Actions for 2013
<i>Broad Planning</i> (e.g. creation/revision of OCPs, CEPs, transportation plans)	<i>Expected direction to update OCP to incorporate ICSP, Growth Management Study, Asset Management Plan, Storm Water Management Plan.</i>	<i>Revision of OCP slated for 2013 to incorporate ICSP, Growth Management Study, Asset Management Plan, Storm Water Management Plan.</i>
<i>Building and Lighting</i> (e.g. developed green building policy, increased density in the downtown)		
<i>Energy Generation</i> (e.g. signed on to provincial 'solar ready' regulation, explored options for bioheating for buildings)	<i>Continued moving forward on Bioenergy project.</i>	<i>Continue toward completion and implementation of Bioenergy initiative.</i>
<i>Green Space</i> (e.g. developed urban forestry policy, adopted park acquisition policy)	<i>Continued to manage Urban Forest in accordance with Urban Forest Management Plan as resources permit.</i>	<i>Continue to manage the Urban Forest in accordance to the Urban Forest Management Plan as resources permit.</i>

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

Continued with 1% cumulative tax rate commitment to roads upgrade/replacement.

Will continue in 2013 with 1% cumulative tax rate commitment ot roads upgrade/replacement.

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)

Continued Toilet Rebate program (\$10,000 per year, 200 toilets); implement public education program for water conservation (\$20,000 per year, 5 year initiative); implement Water Loss Program (\$100,000 per year, five year initiative).

Continue Toilet Rebate program (\$10,000 per year, 200 toilets); public education program for water conservation (\$20,000 per year); continue Water Loss Program (\$100,000 per year).

Other Actions

Direct Community-Wide Actions

Please describe the **direct community-wide actions** you have taken this year and propose to take next year to contribute to reducing GHG emissions and energy consumption in your community.

Direct actions refer to activities that can be directly implemented by local government.

If your actions do not fit into the given categories please describe them under "other actions".

Actions reported in theses categories in 2010 and 2011 can be found here:

<http://www.cscd.gov.bc.ca/lgd/greencommunities/carip.htm>

Community-Wide Direct Actions

Actions Taken in 2012

Proposed Actions for 2013

Buildings (e.g. implement use of sustainability checklists and development permit guidelines for new buildings)

Continued green energy (lighting, HVAC) retrofits are budget permitted in 2012

Continue energy retrofits as budget permits.

Energy Generation (e.g. implement district energy, geothermal, solar)

Continued BioMass feasibility analysis including annual harvest calculations and district heating study.

Continue Biomass feasibility analysis and district heating study into 2013 +.

Transportation (e.g. implement bike lanes, pedestrian paths, upgrade transit service and infrastructure, improve roads, parking fees etc.)

Examined potential to extend regional Rotary Trail system to build/sign key links to Rails-To-Trails. Continue roads rehabilitation as funds permit.

Funds permitting, complete extension of regional Rotary Trail system to build/sign key links to Rails-To-Trails. Continue roads rehabilitation as funds permit in 2013. Electric car charging station to be installed at Elizabeth Lake Visitor Information Centre in spring 2013. Pending budget approval, two additional electric charging stations to be installed at City Hall and Canadian Rockies International Airport.

Waste (e.g. introduce composting and recycling programs)

Water/Sewer (e.g. implement water conservation and reduction initiatives)

Continued Water Loss Program (\$100,000 per annum to reduce water loss in distribution system) Continued public education/awareness program.

Continue both the Water Loss Program and Public Education/Awareness program for wise water use in 2013.

Green Space (e.g. plant trees, conserve forest etc.)

Continued Tree Planting incentive program.

Funds permitting, continue Tree Planting incentive program.

Other Actions

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

Extensive upgrades to Waste Water Treatment System reached substantial completion in 2012. System now meets or betters CCME guidelines for treated water standards. Commitment to retain and manage 2000 +/- acres of pasture as important component of Waste Water system.

NOTE: If you wish to insert a "hard return" (i.e. Enter Key) while typing in a given cell, you need to hold the ALT+ENTER instead.

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NOTE: To adjust cells go to the far left (numbers) or top (letters)

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Corporate Actions

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)?

What tool are you using to measure, track and report on your corporate emissions (e.g. SMARTtool, other tools including excel spreadsheets)?

Answer

The City of Cranbrook has completed energy consumption reporting for all energy use (electricity, natural gas, propane, gasoline, diesel) in 2009, 2010, and 2011. The City is a partner in the Kootenay Carbon Neutral Project.

The City will be using the SMARTtool software to measure, track, and report corporate emissions in 2012 and future years.

2.2 REDUCE

Supportive Corporate Actions

Please describe the **supportive corporate actions** you have taken in 2012 or propose to take in 2013 to contribute to reducing GHG emissions and energy consumption within your corporate boundary.

Supportive actions refer to activities that provide a framework or foundation for direct actions to be implemented. These include the development of committees or new staff positions, education and engagement, feasibility studies, policy development and engagement with programs and partnerships.

If your actions do not fit into the categories provided, please describe them under "other actions".

Lists of actions reported in these categories in 2010 and 2011 can be found here: <http://www.cscd.gov.bc.ca/igd/greencommunities/carip.htm>

Supportive Corporate Actions

Actions Taken in 2012

Proposed Actions for 2013

Broad Planning (e.g. developed corporate climate action plan)

Council provided budget for the creation of a Sustainability Coordinator position to support the ICSP Committee during implementation of the Integrated Community Sustainability Plan. Coordinator was hired and completed mandate in 2012.

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)

Study undertaken to complete green energy analysis and formulate proposals for Council consideration regarding Rec Plex (now Western Financial Place).

Process is underway. Energy audit expected to be completed by February 2013. Recommendations to Council to be formulated from that report and presented to Council later in 2013.

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

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

Newly upgraded systems at City Wastewater Treatment facility to be monitored for energy consumption.

Monitoring to continue in 2013.

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

Other Actions

City working toward the hiring of an Energy Manager position in 2013.

Direct Corporate Actions

Please describe the **direct corporate actions** you have taken in 2012 and propose to take in 2013 to contribute to reducing GHG emissions and energy consumption within your corporate boundary.

Direct actions refer to activities that can be directly implemented by local governments.

We encourage you to report all the corporate actions that contribute to reduced emissions even if they might not directly contribute to the achievement of your carbon neutral commitment. For example, the introduction of corporate recycling programs do not contribute to carbon neutrality but is a direct action to reduce GHG emissions.

If your actions do not fit into the given categories please describe them under "other actions".

<http://www.cscd.gov.bc.ca/lgd/greencommunities/carip.htm>

List of actions reported in these categories in 2010 and 2011 can be found here:

Direct Corporate Actions

Actions Taken in 2012

Proposed Actions for 2013

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

Series of LED lights installed over pool in Aquatic Centre in 2012.

Will continue to retrofit in 2013 as budget permits.

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

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

Pending budget approval, an electric vehicle will be kept for use by staff at City Hall in 2013. Will continue to update fleet as budget permits.

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

Supported Regional District of East Kootenay initiatives, specifically around education.

Will continue to support Regional District initiatives.

Water/Sewer (e.g. initiated water conservation and reduction initiatives)	<i>\$20,000 budget to public education and water conservation Home to Home program (Year 3 of a 5 year commitment) \$100,000 per annum budget to reduce water loss in distribution system</i>	<i>Continue public education program at \$20,000 per annum through 2015. Continue water loss reduction program through 2015.</i>
Green Space (e.g. planting of trees)	<i>The City follows its Urban Forest Management Plan and partners (Trees For Life, BC Hydro) on numerous projects.</i>	<i>Will continue to follow City's Urban Forest Management Plan.</i>
Other Actions	<i>Energy Feasibility study initiated for Western Financial Place (Ice surface and Aquatic Centre) In 2012, in partnership with Community Energy of BC. Study being conducted by Prism Engineering of Burnaby, BC.</i>	<i>Energy Feasibility study final report expected in 2013. Will help provide direction on ways to save energy and money, by changing operational procedures, retrofits, etc.</i>

2.3 CORPORATE INNOVATION

Answer

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.

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.

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You MUST fill this in for the 2012 reporting year.

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Prior to completing this section, please ensure that you are familiar with the "Becoming Carbon Neutral guidebook" available on the BC

Carbon Neutral Progress Reporting

Is this your Final or Interim CARIP Report for 2012 (Yes or No)?

Answer

Emissions/Offsets	Tonnes CO2e
	Enter Values in Yellow Boxes
Annual corporate emissions using SMARTTool or equivalent inventory tool	2268
<i>Emissions from services delivered directly by the local government</i>	2268
<i>Emissions from contracted services</i>	
Less:	
GHG reductions being claimed for this reporting year from Option 1 - GHG reduction project	0
<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>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>	0
<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>	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.	2268
<i>(If the corporate emissions balance is zero, your local government is carbon neutral for this reporting year)</i>	

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.

In 2013, the City of Cranbrook is working toward the hiring of 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, 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.

Additional "Option 2" Projects

- Option 2 Project C
- Option 2 Project D
- Option 2 Project E
- Option 2 Project F
- Option 2 Project G
- Option 2 Project H

Offset Provider Information

(i) Please Identify the name(s) of your offset provider(s) (use yellow box to the right):

(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 in yellow box):

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, 2013 (please indicate yes or no in the yellow box):
