

CLIMATE ACTION REVENUE INCENTIVE PROGRAM (CARIP) PUBLIC REPORT

For Reporting Year = 2012

Community-Wide Actions

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

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.

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.

ANSWER

In Progress

ADDITIONAL INFORMATION

A target and actions have been adopted and will be included in the OCP as part of an overall OCP update process that commenced in 2012. The adopted target is to reduce community greenhouse gas emissions by 20% per capita from 2007 levels by 2020.

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".

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

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

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)

Actions Taken in 2012

Commenced update of OCP, which will incorporate greenhouse gas reduction targets and measures.

Supported densification as per the Downtown Land Use Development Plan and facilitated through the Downtown Revitalization Tax Exemption Bylaw. Supported more energy efficient apartments through reduced DCC's.

Completed an Energy Integration Pre-Feasibility Study for the Chilliwack Landing Area (arena, pool, cultural centre, hospital, etc.)

Proposed Actions for 2013

Continue OCP update process, including a review of policies related to climate change.

Continue measures to encourage densification.

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

Encouraged urban tree canopy through Tree Management Bylaw. Developed a Greenspace Plan.

Promoted a two-week bike to work challenge.

Commenced review of organics diversion options. Set up a program to allow community groups to borrow waste diversion stations for various functions.

Issued rebates on low flush toilets, and sold discounted home water conservation kits and rain barrels.

Continue to encourage urban tree canopy.

Bike to work challenge.

Continue organics diversion assessment.

Continue water conservation measures.

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 these 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)

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

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

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

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

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

Other Actions

Expanded transit system to include an additional bus and create a high-frequency transit corridor, resulting in 21,000 additional riders over 2011. Constructed new bike lanes and sidewalks.

Commenced procurement process for a landfill gas collection system to be installed at the Bailey Sanitary Landfill. Staged Waste Reduction Week events with retailers and schools. Promoted two Community-wide Garage Sales to encourage reuse.

Enforced summer watering restrictions.

Planted street trees.

Add two additional buses to transit system to extend high-frequency transit corridor to the north and south, plus extend hours of operation. Install two electric vehicle charging stations. Install new bike lanes and sidewalks.

Install a landfill gas collection system at the Bailey Sanitary Landfill. Install additional waste diversion containers along transit routes. Continue Waste Reduction Week efforts.

Continue watering restrictions.

Continue urban tree planting program.

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

CLIMATE ACTION REVENUE INCENTIVE PROGRAM (CARIP) PUBLIC REPORT

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Corporate Actions

2.1 MEASURE

Corporate Measurement Actions QUESTION

Answer

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)?

Corporate inventories were completed for the years 2008-2010 as part of the Corporate Air Quality, Energy and GHG Action Plan completed in 2012.

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

Stantec has completed the previous inventories and will be preparing the 2012 inventory using an excel spreadsheet developed to comply with provincial reporting requirements.

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)

Finalized the Corporate Air Quality, Energy and GHG Action Plan

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

Building and lighting actions considered as part of Corporate Action Plan.

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

Completed an Energy Integration Pre-Feasibility Study for the Chilliwack Landing Area (arena, pool, cultural centre, hospital, etc.)

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

Promoted a two-week Bike to Work Challenge. Other fleet improvements considered as part of Corporate Action Plan.

Bike to Work challenge.

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

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

Completed water audit to determine total water loss within the water supply distribution system.

Conduct a leak detection exercise for an area of the water system to determine water losses. Conduct a downtown I&I study to identify causes of higher I&I rates, which can be addressed to reduce sewage pump run times.

Other Actions

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)	<p>Completed infrared testing of electrical supply in two City-owned buildings.</p> <p>Completed energy efficiency upgrades to Fire Halls by re-lamping, replacing furnaces with heat pumps, installing on-demand hot water systems and installing more efficient exterior lighting systems.</p>	<p>Upgrades to lighting on one sheet of ice at Twin Rinks. Duct cleaning in three City-owned facilities.</p>
Energy Generation (e.g. implemented heat recovery systems, solar)	<p>Installed new biogas boiler to heat all three digesters at the wastewater treatment plant, instead of natural gas. The biogas is now being put to beneficial use instead of being flared.</p>	
Fleet (e.g. anti-idling policies for fleet vehicles, purchasing of hybrid)	<p>Purchased an electric vehicle for the fleet.</p> <p>Purchased new, more efficient mowing equipment for the Parks Department.</p>	
Waste (e.g. introduction of composting and recycling programs and education)		
Water/Sewer (e.g. initiated water conservation and reduction initiatives)	<p>Installed a VFD at Production Well 8 to save power when demand on water supply is low. Upgraded a 200kW generator from Tier 1 to Tier 3.</p>	
Green Space (e.g. planting of trees)	<p>Tree planting.</p>	<p>Tree planting.</p>
Other Actions		

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.

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

[BC Climate Action Toolkit Website](#)

Carbon Neutral Progress Reporting

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

Interim

Emissions/Offsets	Tonnes CO2e	
**Note: Stantec has been retained to produce the inventory, but BC Hydro data was not yet available. The emissions inventory will be provided in the final report.		
	Enter Values in Yellow Boxes	
Annual corporate emissions using SMARTTool or equivalent inventory tool	4735	(+)
<i>Emissions from services delivered directly by the local government</i>	4735	
<i>Emissions from contracted services</i>	0	
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>	0	
<i>Solar Thermal</i>	0	
<i>Household Organic Waste Composting</i>	0	
<i>Low Emissions Vehicles</i>	0	
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>	0	
<i>Option 2 Project B</i>	0	
<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.	0	(-)
Balance of corporate emissions for this reporting year.	4735	=
<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.		
<i>A landfill gas collection system is being installed at the Bailey Sanitary Landfill in 2013, which will create significant greenhouse gas reductions.</i>		

Additional "Option 2" Projects

Option 2 Project C
Option 2 Project D

N/A
N/A

Option 2 Project E
Option 2 Project F
Option 2 Project G
Option 2 Project H

N/A
N/A
N/A
N/A

Offset Provider Information

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

N/A

(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):

N/A

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):

N/A
