

# CLIMATE ACTION REVENUE INCENTIVE PROGRAM (CARIP) PUBLIC REPORT

For Reporting Year =

2013

## Community-Wide Actions

1.1 MEASURE		
Community Wide Measurement Actions	ANSWER	ADDITIONAL INFORMATION
<b>QUESTION</b> 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?	Yes	
1.2 PLAN		
Community Wide Targets	ANSWER	ADDITIONAL INFORMATION
<b>QUESTION</b> 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.	In Progress	A target and actions have been adopted and are being 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		
<i>Supportive Community-Wide Actions</i>		
Supportive Community-Wide Actions	Actions Taken in 2013	Proposed Actions for 2014
<b>Broad Planning</b> (e.g. creation/revision of OCPs, CEPs, transportation plans)  <b>Building and Lighting</b> (e.g. developed green building policy, increased density in the downtown)  <b>Energy Generation</b> (e.g. signed on to provincial 'solar ready' regulation, explored options for bioheating for buildings) <b>Green Space</b> (e.g. developed urban forestry policy, adopted park acquisition policy) <b>Transportation</b> (e.g. developed sustainable transportation plan, completed bicycle master plan)  <b>Waste</b> (e.g. introduced composting and recycling education programs) <b>Water/Sewer</b> (e.g. participated in water smart initiatives, implemented Water Action Plan, introduced rebates on low flush toilets) <b>Other Actions</b>	Continued update of OCP, which incorporates 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.  Encouraged urban tree canopy through Tree Management Bylaw. Promoted a two-week bike to work challenge.  Continued review of organics diversion options.  Issued rebates on low flush toilets and sold discounted home water conservation kits and barrels.	Continue OCP update process, including a review of policies related to climate change.  Continue measures to encourage densification.  Continue to encourage urban tree canopy. Continue with the bike to work challenge.  Continue organics diversion assessment.  Continue water conservation measures.
<i>Direct Community-Wide Actions</i>		
Community-Wide Direct Actions	Actions Taken in 2013	Proposed Actions for 2014
<b>Buildings</b> (e.g. implement use of sustainability checklists and development permit guidelines for new buildings) <b>Energy Generation</b> (e.g. implement district energy, geothermal, solar) <b>Transportation</b> (e.g. implement bike lanes, pedestrian paths, upgrade transit service and infrastructure, improve roads, parking fees etc.)  <b>Waste</b> (e.g. introduce composting and recycling programs )  <b>Water/Sewer</b> (e.g. implement water conservation and reduction initiatives) <b>Green Space</b> (e.g. plant trees, conserve forest etc.)  <b>Other Actions</b>	Two additional buses were added to transit system to extend high-frequency transit corridor to the north and south, plus extend hours of operation, resulting in 65,000 additional riders in 2013. Install two electric vehicle charging stations. Install new bike lanes and sidewalks.  Installed a landfill gas collection system 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.	The Fraser Valley Regional District, in partnership with the City of Chilliwack, City of Abbotsford, and BC Transit, have approved the launch of the Fraser Valley Express bus service. The service will connect Chilliwack and Abbotsford with Langley, offering valley residents access to Metro region transit services. Annual ridership is predicted to be 130,000 per annum.  Continue waste reduction programs.  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	
	The installation of the landfill gas system at the Bailey Sanitary Landfill will significantly reduce waste-related greenhouse gas emissions.	

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## Corporate Actions

<b>2.1 MEASURE</b>		
<b>Corporate Measurement Actions</b>	<b>Answer</b>	
<b>QUESTION</b> 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)?	<p>Corporate inventories were completed for the years 2008-2010 and 2012-13.</p> <p>Pinna Sustainability Inc. prepared the 2013 inventory using an excel spreadsheet developed to comply with provincial reporting requirements.</p>	
<b>2.2 REDUCE</b>		
<b>Supportive Corporate Actions</b>	<b>Actions Taken in 2013</b>	<b>Proposed Actions for 2014</b>
<b>Supportive Corporate Actions</b>		
<i><b>Broad Planning</b> (e.g. developed corporate climate action plan)</i>	Changed out several exterior lights on the City's water and sewer stations from HID to LED. Commenced an HVAC upgrade on all of the water and sewer stations to automate and monitor building temperatures.	Continue with an HVAC upgrade on all water and sewer stations to automate and monitor building temperatures.
<i><b>Building and Lighting</b> (e.g. developed energy reduction plan for all corporate buildings)</i>		
<i><b>Energy Generation</b> (e.g. undertook feasibility study of green energy generation for civic buildings)</i>		
<i><b>Transportation</b> (e.g. created anti-idling policy for city vehicles, bike to work week promotion)</i>	Promoted a two-week bike to work challenge.	Bike to work challenge.
<i><b>Waste</b> (e.g. completed waste audit of City Hall)</i>		
<i><b>Water/Sewer</b> (e.g. completed study of sewer and water energy use)</i>	Conducted a leak detection exercise for an area of the water system to determine water losses	Continue leak detection efforts to minimize water losses
<i><b>Other Actions</b></i>		
<b>Direct Corporate Actions</b>	<b>Actions Taken in 2013</b>	<b>Proposed Actions for 2014</b>
<i><b>Building and Lighting</b> (e.g. energy efficiency retrofits to municipal buildings )</i>	Completed duct cleaning of 3 City-owned facilities.	Upgrades to lighting at Twin Rinks. Fortis BC audit on the Chilliwack Landing Leisure Centre to determine a plan on how to save on natural gas consumption for the building. Duct cleaning in two buildings. Possible upgrades to the Heating and Ventilation system at Evergreen Hall.
<i><b>Energy Generation</b> (e.g. implemented heat recovery systems, solar)</i>		
<i><b>Fleet</b> (e.g. anti-idling policies for fleet vehicles, purchasing of hybrid)</i>	Switched to more economical, fuel efficient diesel engines that use 60% less fuel	Continue fleet efficiency measures.
<i><b>Waste</b> (e.g. introduction of composting and recycling programs and education)</i>		
<i><b>Water/Sewer</b> (e.g. initiated water conservation and reduction initiatives)</i>		
<i><b>Green Space</b> (e.g. planting of trees )</i>	City staff planted 259 large caliper trees (6-8 cm) and volunteers at the Great Blue Heron Nature Reserve planted 50 small potted trees in 2013.	City staff plan to plant approximately 280 large caliper trees in 2014.
<i><b>Other Actions</b></i>		
<b>2.3 CORPORATE INNOVATION</b>	<b>Answer</b>	
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 2013 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**

<b>Is this your Final or Interim CARIP Report for 2013 ?</b>	<b>Final</b>	
Emissions/Offsets	Tonnes CO2e	
<b>Enter Values in White Boxes</b>		
<i>**Inventory and offset information to be provided in Final Report</i>		
<b>Annual corporate emissions using SMARTTool or equivalent inventory tool</b>	<b>4116</b>	(+)
<i>Emissions from services delivered directly by the local government</i>		
<i>Emissions from contracted services</i>		
<b>Less:</b>		
GHG reductions being claimed for this reporting year from Option 1 - GHG reduction project	<b>0</b>	(-)
<i>Energy Efficient Building Retrofits and Fuel Switching</i>		
<i>Solar Thermal</i>		
<i>Household Organic Waste Composting</i>		
<i>Low Emissions Vehicles</i>		
<b>Less:</b>		
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>		
	<b>0</b>	(-)
<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>	<b>0</b>	
<b>Less:</b>		
Offsets purchased for this reporting year (Option 3). Please identify your offset provider in the offset provider information section below.		(-)
<b>Balance of corporate emissions for this reporting year.</b>		
<i>(If the corporate emissions balance is zero, your local government is carbon neutral for this reporting year)</i>	<b>4116</b>	=
<b>Making Progress on Your Carbon Neutral Commitment</b>		
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 was installed at the Bailey Sanitary Landfill in 2013-14, which will create significant greenhouse gas reductions.</i>		
<b>Additional "Option 2" Projects</b>		
<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>		
<b>Offset Provider Information</b>		
<b>(i)</b> Please Identify the name(s) of your offset provider(s) (Please answer below):		
<b>(ii-a)</b> 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):		
<b>OR</b>		
<b>(ii-b)</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):		