

Climate Action Revenue Incentive Program (CARIP) Public Report
Climate Action Revenue Incentive (CARIP)
Public Report for YEAR 2013



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General Information

Name of Local Government	Town of Smithers
Member of Regional District (RD)	
Regional Growth Strategy (RGS) in region	
Population	5,404

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Community Wide Actions for 2013

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	<p><i>The Community Energy and Emissions Plan was finalized and adopted by Council in December 2012. The study was funded in part by the Province of BC Infrastructure Planning Grant Program and produced with the assistance of the Green Municipal Fund, a fund financed by the Government of Canada and administered by the Federation of Canadian Municipalities. This plan includes an inventory of community GHG emissions using 2007 as the base year. It was determined that greenhouse gas emissions from the community totalled 46,404 tonnes of CO2 with on-road transportation making up the greatest percentage of GHG emissions at 51%.</i></p> <p>http://www.smithers.ca/municipal-hall/development-services-planning/corporate-and-community-sustainability-plans</p>

1.2 Plan

Community Wide Targets

Question	Does 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	<p><i>On February 12, 2013 Bylaw 1712 was adopted by Council amending the OCP by adding Section 5.3.5 Greenhouse Gas Emissions. Objective: For the purpose of complying with Section 877(3) of the Local Government Act and meeting the commitments under the Climate Action Charter the Town of Smithers commits to a visionary greenhouse gas reduction target to contribute to the provincial effort of mitigating climate change. Policy 1: Establishing a baseline at 2007 emission levels, the Town of Smithers strives to achieve a Community Greenhouse Gas Reduction Target of thirteen percent (13%) by 2017.</i></p>

1.3 Reduce

Supportive Community Wide Actions

Action Type	Broad Planning
Actions Taken this Year	<i>Bylaw 1712: Amendment of the OCP to Bill 27 requirements and the Town's voluntary commitments to the Federation of Canadian Municipalities' Partners for Climate Protection Program and the Provincial Climate Action Charter.</i>
Proposed Actions for Next Year	<i>In July 2012 the Town began the development of the Downtown Smithers Landscape Design Guidelines. The guidelines support and enhance the form and character of urban design in downtown Smithers by providing both general and specific measures intended to improve the design of landscaping in the downtown. The guidelines integrate all aspects of sustainable northern landscaping that are tailored to the Smithers climate and local conditions.</i>

Action Type	Building and Lighting
Actions Taken this Year	<i>Continued to refine regulations that support an increase in density close to the downtown.</i>
Proposed Actions for Next Year	

Action Type	Energy Generation
Actions Taken this Year	
Proposed Actions for Next Year	

Action Type	Green Space
Actions Taken this Year	<p><i>Smithers was a FCM Sustainability Community Award Winner in 2014 for Brownfield to Public Square Project which was completed in 2013. Town purchased and remediated a contaminated site located in the commercial heart of downtown Smithers at 1089 Main Street.</i></p> <p>http://www.fcm.ca/home/awards/fcm-sustainable-communities-awards/2014-winners.htm</p> <p><i>This was a centennial legacy project that was chosen to improve Smithers' environment, economy and social life. Smithers bought an abandoned gas station site on its main street, remediated the lot, and built a new town square that includes green space and permanent</i></p>

stage.

Motivated by the Town's vision, the Rotary Club spearheaded development of a second square a few blocks away named the Downtown Entrance Project. This square is also a former gas station, leased from Husky Oil. The second site was not remediated but has also been transformed into an attractive gathering space with benches and brick paving.

**Proposed
Actions for
Next Year**

Action Type Transportation

**Actions
Taken this
Year**

Bike Friendly Initiatives was one of Council's Strategic Priorities. With \$65,000 from the Town Gas Tax Funds, \$15,000 from Town surplus, \$20,000 grant from Northern Health, and a \$5,000 public donation, the following was achieved:

- >"Bike Smithers" Logo created*
- >171 bike racks purchased, 84 installed*
- >End of Railway Ave widened for bike riding purposes*
- >3rd Ave driving speeds reduced and that bikes would share lanes with cars (sharrows)*
- >two bike purchased for Town employees to use for Town business*
- >bike signs with the Bike Smithers logo created*

The Town remains a funding partner of the Smithers and District Transit System.

**Proposed
Actions for
Next Year**

To be completed with balance of Bike Friendly Initiative funds:

- >bike riding educational aspects*

Continue to sponsor the Smithers and District Transit System in partnership with the Village of Telkwa, the Regional District of Bulkley Nechako and BC Transit.

Action Type Waste

**Actions
Taken this
Year**

Sent flyers to all residents through Canada Post to educate residents on waste related services including Recycling, Waste Transfer Station info, and mandatory garbage cart FAQ, Christmas tree pickup, and composting.

The Town of Smithers has entered into an agreement with Multi-Material BC Society (MMBC) and signed the Master Services Agreement and Statement of Work for Curb side Collection Services Provided by Local Government.

**Proposed
Actions for
Next Year**

*May 19, 2014 MMBC Program launch
Recycling Carts \$130,000 to be obtained for taxpayers with Gas Tax Funds*

Action Type	Water/Sewer
Actions Taken this Year	<p><i>Participated in "Drinking Water Awareness" week, an educational campaign to raise awareness of municipal drinking water within the community. This is consistent with the Water Conservation Plan (2010).</i></p> <p><i>Dahlie Avenue Water Looping Project to upgrade and maintain water system requirements.</i></p>
Proposed Actions for Next Year	<p><i>Continue to implement strategies of the Water Conservation Plan.</i></p>

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

Direct Community Wide Actions

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

Action Type	Energy Generation
Actions Taken this Year	
Proposed Actions for Next Year	

Action Type	Transportation
Actions Taken this Year	<p><i>Continued to work with the Measuring Up the North Working Group to improve trail accessibility of the overall trail network. Continue with overall maintenance of the perimeter trail network,</i></p>

Year	<p><i>including connections to existing neighbourhoods.</i></p> <p><i>Bike Friendly Initiatives was one of Council's Strategic Priorities. With \$65,000 from the Town Gas Tax Funds, \$15000 from Town surplus, \$20,000 grant from Northern Health, and a \$5000 public donation, the following was achieved:</i></p> <ul style="list-style-type: none"> <i>>"Bike Smithers" Logo created</i> <i>>171 bike racks purchased, 84 installed</i> <i>>End of Railway Ave widened for bike riding purposes</i> <i>>3rd Ave driving speeds reduced and that bikes would share lanes with cars (sharrows)</i> <i>>two bike purchased for Town employees to use for Town business</i> <i>>bike signs with the Bike Smithers logo created</i>
Proposed Actions for Next Year	<p><i>Continue to work with the Measuring Up the North Working Group to improve trail accessibility of the overall trail network. Continue with overall maintenance of the perimeter trail network, including connections to existing neighbourhoods.</i></p> <p><i>Extension of Fulton Pathway \$320,000 use of Gas Tax Funds</i></p> <p><i>Tatlow Road North paving \$225,000</i></p> <p><i>Bike Friendly Initiatives to be completed with balance of funds:</i></p> <ul style="list-style-type: none"> <i>>bike riding educational aspects</i>

Action Type	Waste
Actions Taken this Year	<i>Continued with the phase-in process for the mandatory use of Town garbage carts by 2014 (initiated in 2011). This program encourages cart purchase by offering an annual \$25 garbage fee discount when a cart is purchased. This will reduce waste and idling time at each residence as only one cart is allowed per household, rather than 2 dwelling type containers.</i>
Proposed Actions for Next Year	<i>Mandatory use of Town garbage carts by end of 2014</i> <i>Recycling Carts \$130,000 to be obtained for taxpayers with Gas Tax Funds</i>

Action Type	Water/Sewer
Actions Taken this Year	
Proposed Actions for Next Year	

Action Type	Green Space
Actions Taken this Year	<i>Smithers was a FCM Sustainability Community Award Winner in 2014 for Brownfield to Public Square Project which was completed in 2013. Town purchased and remediated a contaminated site located in the commercial heart of downtown Smithers at 1089 Main Street.</i>

<http://www.fcm.ca/home/awards/fcm-sustainable-communities-awards/2014-winners.htm>

This was a centennial legacy project that was chosen to improve Smithers' environment, economy and social life. Smithers bought an abandoned gas station site on its main street, remediated the lot, and built a new town square that includes green space and permanent stage.

Motivated by the Town's vision, the Rotary Club spearheaded development of a second square a few blocks away named the Downtown Entrance Project. This square is also a former gas station, leased from Husky Oil. The second site was not remediated but has also been transformed into an attractive gathering space with benches and brick paving.

Town continues to jointly hold the Community Forest tenure with the Village of Telkwa.

For more information on the Community Forest through the Wetzin'Kwa Community Forest Corporation: <http://www.wetzinkwa.ca/>

**Proposed
Actions for
Next Year**

Continue Community Forest partnership.

Action Type Other Actions

**Actions
Taken this
Year**

**Proposed
Actions for
Next Year**

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

Corporate Actions for 2013

2.1 Measure

Corporate Measurement Actions

Question What steps has your local government taken toward completing its corporate emissions inventory?

The **2012 Corporate Energy and Greenhouse Gas Emissions Plan** was completed and adopted by Council in December 2012. It includes an inventory of all corporate emissions using a base year of 2004.

<http://www.smithers.ca/municipal-hall/development-services-planning/corporate-and-community-sustainability-plans>

The following table highlights the progress the Town of Smithers has realized in decreasing GHG emissions. While year to year there are fluctuations due to climate and subsequent energy demand, overall the GHG trend is decreasing due to implementing energy reduction initiatives. The 2015 target set in the 2012 Corporate Energy and Greenhouse Gas Emissions Plan has not only been achieved, but exceeded:

- GHG decreased from 566 GHG tonnes in 2012 to 463 GHG tonnes in 2013, a decrease of 18%
- GHG decreased from 976 GHG tonnes in 2004, the base year, to 463 GHG tonnes in 2013, a decrease of 53%
- In 2012 a target reduction was set for 2015 of 676 GHG tonnes, which has now been exceeded by 213 GHG tonnes or 22% (53% actual reduction versus a 31% target)

Answer

TOWN OF SMITHERS CORPORATE GHG CO ₂ e EMISSIONS BASE YEAR 2004~2013 COMPARISON*														
2004	2005	2006	2007	2008	2009	2010	2012	2013	% ANNUAL CHANGE 2013	% TOTAL CHANGE FROM BASE YEAR 2004	TARGET 2015	% TOTAL CHANGE FROM BASE YEAR 2004		
976	965	1014	975	1009	1011	735	566	463	-18%	-53%	676	-31%		

*2011 data not available

Question	What tool are you using to measure, track and report on your corporate emissions?
Answer	<i>The Town continued to use SMARTTool to measure, track and report on corporate emissions.</i>

2.2 Reduce

Supportive Corporate Actions

Action Type	Broad Planning
Actions Taken this Year	<p><i>In December 2012 the Town completed the 2012 Corporate Energy and Greenhouse Gas Emissions Plan, which outlines the proposed GHG emissions and the implementation of proposed recommendations.</i></p> <p><i>Based on the completed inventory of GHG emissions and implementation of the proposed recommendations, the Town can meet a GHG emissions reduction target of 31% further reducing its 2004 base year emissions quantity by 72 tonnes of carbon dioxide by 2015. The Plan outlines 15 recommended reduction initiatives to reduce GHG emissions for 5 civic facilities: the civic arena, airport terminal, fire hall, ranger park, and public works yard. The majority of GHG emissions are the result of energy consumption in buildings, ranging from 45%-50% and vehicles ranging from 40%-46%.</i></p>
Proposed Actions for Next Year	<i>Continue to implement the recommendations outlined in the Corporate Energy and Emissions Plan.</i>

Action Type	Building and Lighting
Actions Taken this Year	<i>Implemented strategies from the Corporate Energy and GHG Emissions Plan. Continue to update the facilities maintenance plan.</i>
Proposed Actions for Next Year	<i>Implement strategies from the Corporate Energy and GHG Emissions Plan. Continue to update the facilities maintenance plan.</i>

Action Type	Energy Generation
Actions Taken this Year	<i>Implemented strategies from the Corporate Energy and GHG Emissions Plan. Continue to update the facilities maintenance plan.</i>

Proposed Actions for Next Year	<i>Implement strategies from the Corporate Energy and GHG Emissions Plan. Continue to update the facilities maintenance plan.</i>
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Action Type	Transportation
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Actions Taken this Year	<p><i>Implemented strategies from the Corporate Energy and GHG Emissions Plan.</i></p> <p><i>Continued with the existing anti-idling for Town vehicles under Policy ADM-003 adopted in 2008.</i></p> <p><i>The Mayor of Smithers challenged the Mayor of Terrace to compete during the "bike to work week" and Smithers won the challenge. This brought awareness and participants to both communities.</i></p> <p><i>A public engagement forum was held to gather input on the proposed Third Avenue Bike Lane Pilot Project.</i></p>
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Proposed Actions for Next Year	<p><i>Implement strategies from the Corporate Energy and GHG Emissions Plan.</i></p> <p><i>Continue with the existing anti-idling for Town vehicles under Policy ADM-003 adopted in 2008.</i></p>
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Action Type	Water/Sewer
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Actions Taken this Year	<i>Implemented strategies from the Corporate Energy and GHG Emissions Plan.</i>
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Proposed Actions for Next Year	<i>Implement strategies from the Corporate Energy and GHG Emissions Plan.</i>
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Action Type	Other Actions
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Actions Taken this Year	
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Proposed Actions for Next Year	
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Direct Corporate Actions

Action Type	Building and Lighting
Actions Taken this Year	<p>Fire hall: Converted existing lighting systems to motion sensors with automatic time off.</p> <p>Library: Replaced furnace with higher efficiency model. Old furnace was a Mid-efficiency rating of 75-80 and was replaced with a Hi-efficiency rating of 95</p> <p>Library: Perimeter drainage completion, assisted in removing moisture from crawlspace</p> <p>Public Works: Completed ventilation of welding areas. Welding Exhaust Hood adjusts directly over welding location. Point of contact ventilation vs open door.</p> <p>Ranger Park Facility: Phase 4 - replace insulation. R12 removed and upgraded to 8" spray foam insulation = R28</p> <p>Ski Smithers Building: Added insulation to roof and repair. Existing R12 plus added 3" Polyiso insulation +R18.5 for a total of R30.5</p>
Proposed Actions for Next Year	<p>Fire hall: Switch out 80 gallon water tank to lower capacity high efficiency tank</p> <p>Smithers Second Arena: \$350,000 commitment from the Regional District of Bulkley Nechako to fund a heat recovery system from the new planned Arena to the Bulkley Valley Regional Swimming Pool.</p> <p>General:</p> <p>Use the Corporate Energy and GHG Emission Plan and Facility Maintenance Plan as a guide for building efficiency improvements.</p> <p>Continue to replace or upgrade less efficient infrastructure with more efficient models.</p> <p>Provide on-going maintenance to ensure existing systems are functioning to maximum efficiency.</p>

Action Type	Energy Generation
Actions Taken this Year	
Proposed Actions for Next Year	

Action Type	Fleet
Actions Taken this Year	<p>By right sizing and moving to smaller, more fuel efficient cars and trucks, 4 new vehicles were purchased resulting in estimated reduction of 1700 litres of fuel and 4 tonnes of GHG emissions per year. This is in accordance with ADM-020 Vehicle Purchasing Policy adopted in 2011 that considers emissions, life cycle costs, vehicle efficiency and environmental impact.</p>
Proposed Actions for Next Year	

Action Type	Waste
Actions Taken this Year	
Proposed Actions for Next Year	<i>Continue with existing programs and explore other strategies to reduce waste.</i>

Action Type	Water/Sewer
Actions Taken this Year	
Proposed Actions for Next Year	<i>Continue to improve energy efficiency in water and wasteland infrastructure.</i>

Action Type	Green Space
Actions Taken this Year	
Proposed Actions for Next Year	

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

2.3 Corporate 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	

Carbon Neutral Progress Reporting

3.1 Carbon Neutral Progress Reporting

Emissions/Offsets	Tonnes CO2e
Annual corporate emissions using SMARTTool or equivalent inventory tool	463
<i>Emissions from services delivered directly by the local government</i>	463
<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	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: <i>Offsets purchased for this reporting year (Option 3). Please identify your offset provider in the offset provider information section below.</i>	
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>	463
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>	

3.2 Making Progress on Your Carbon Neutral Commitment

Question	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.
Answer	<p><i>The Town of Smithers adopted Bylaw 1715 on April 23, 2013 “Greenhouse Gas Emission Reduction Reserve” to establish a reserve fund for the purpose of funding projects that reduce greenhouse gas emissions or to purchase carbon offsets.</i></p> <p><i>Instead of purchasing offsets, the Town of Smithers will be annually putting the dollar equivalent of the carbon offsets into this Statutory Reserve. AS OF December 31, 2013 the Greenhouse Gas Emission Reduction Statutory Reserve balance was \$34,340</i></p>

3.3 Offset Provider Information

Question	Please Identify the name(s) of your offset provider(s) (Please answer below):
Answer	Not Applicable

Question	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):
Answer	NO

Question	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.
Answer	See Town of Smithers Bylaw 1715 in 3.2