

Climate Action Revenue Incentive Plan (CARIP) Public Report

**Climate Action Revenue Incentive
(CARIP) Public Report for YEAR 2012**

Reported by
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General Information

Name of Local Government	<i>Town of Smithers</i>
Member of Regional District (RD)	
Regional Growth Strategy (RGS) in region	
Population (Census 2011)	5404

Community Wide Actions for 2012

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	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.
Answer	<i>In Progress</i>
Additional Information	<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>

Question	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	
Additional Information	

1.3 Reduce

Supportive Community Wide Actions

Action Type	Broad Planning (e.g. creation/revision of OCPs, CEPs, transportation plans)
Actions Taken this Year	The Community and Emissions Plan includes an inventory of current energy and emission reduction actions. The plan includes approximately 56 reduction initiatives in total.
	In December the Town completed and adopted a Community Resiliency Plan , which integrates the Community Energy and Emissions Plan with the following existing plans or strategies: <ul style="list-style-type: none"> • corporate strategic priorities • asset management planning • official community plan • emergency response plan • economic development strategy • corporate energy and emissions plan
	The integration of these plans and strategies is intended to demonstrate the commonalities, support the synergies and discuss any conflicts with the community. The Community Resiliency Plan includes an overview, an introduction on the concept and definition of sustainable resilient communities, summarizes the existing plans and strategies, and provides 10 recommendations.
	http://www.smithers.ca/municipal-hall/development-services-planning/corporate-and-community-sustainability-plans
	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.
Proposed Actions for Next Year	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.
	Complete the Downtown Landscape Design Guidelines and integrate into the Town's existing Form and Character Development Permit Area Guidelines.

Action Type	Building and Lighting (e.g. developed green building policy, increased density in the downtown)
Actions Taken this Year	<i>Continue to refine regulations that support an increase in density close to the downtown.</i>
Proposed Actions for Next Year	<i>Continue to refine regulations that support an increase in density close to the downtown.</i>

Action Type	Energy Generation (e.g. signed on to provincial 'solar ready' regulation, explored options for bioheating for buildings)
Actions Taken this Year	<i>None</i>
Proposed Actions for Next Year	<i>None</i>

Action Type	Green Space (e.g. developed urban forestry policy, adopted park acquisition policy)
Actions Taken this Year	<i>Worked with local community organizations on the beautification of a former Mohawk service station site. Town secured a lease agreement with Husky Energy in September 2012 for a park use, including landscaping, of the site. The Central Park Building Society and the Rotary Club are funding improvements to the property.</i>
	<i>Worked with the Smithers Centennial Legacy Committee on the concept development for a future town square to be located on a former contaminated site in downtown Smithers at 1089 Main Street. The concept includes numerous community amenity features, including showcasing sustainable landscape design featured in the new Downtown Landscape Design Guidelines.</i>
Proposed Actions for Next Year	<i>Continue to support the redevelopment of the former Mohawk Service Station site to improve the entrance into downtown Smithers.</i>
	<i>Finalize a concept for 1089 Main Street in the spring of 2013.</i>

Action Type	Transportation (e.g. developed sustainable transportation plan, completed bicycle master plan)
Actions Taken this Year	<i>Town Council identified improving the "cycling friendliness of Smithers a top priority in June 2012. This led to the creation of a Cycling Friendly Community Task Force whose goal was to recommend strategies to improve the cycling friendliness of Smithers for implementation in the short term (2013) and long term (3-5 year) time frame. The task force met 4 times in Sept/Oct and presented their recommendations to Council on October 30, 2012.</i>
	<i>The Town remains a funding partner of the Smithers and District Transit System.</i>
Proposed Actions for Next Year	<i>Act on recommendations from the Cycling Task Force included in the 2013 budget process for both implementation in 2013 and the 3-5 year term, including Bike Friendly path development, bike racks, and signage.</i>
	<i>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.</i>

Action Type	Waste (e.g. introduced composting and recycling education programs)
Actions Taken this Year	<i>None</i>
Proposed Actions for Next Year	<i>None</i>

Action Type	Water/Sewer (e.g. participated in water smart initiatives, implemented Water Action Plan, introduced rebates on low flush toilets)
Actions Taken this Year	<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>
Proposed Actions for Next Year	<i>Continue to implement strategies of the Water Conservation Plan.</i>

Action Type	Other Actions
Actions Taken this Year	<i>None</i>
Proposed Actions for Next Year	<i>None</i>

Direct Community Wide Actions

Action Type	Buildings (e.g. implement use of sustainability checklists and development permit guidelines for new buildings)
Actions Taken this Year	<i>None</i>
Proposed Actions for Next Year	<i>None</i>

Action Type	Energy Generation (e.g. implement district energy, geothermal, solar)
Actions Taken this Year	<i>None</i>
Proposed Actions for Next Year	<i>None</i>

Action Type	Transportation (e.g. implement bike lanes, pedestrian paths, upgrade transit service and infrastructure, improve roads, parking fees etc.)
Actions Taken this Year	<i>None</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.</i></p> <p><i>Continue with overall maintenance of the perimeter trail network, including connections to existing neighbourhoods.</i></p>

Action Type	Waste (e.g. introduce composting and recycling programs)
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>Continue with phasing in of the program and offering discounts.</i>

Action Type	Water/Sewer (e.g. implement water conservation and reduction initiatives)
Actions Taken this Year	<i>None</i>

Action Type	Water/Sewer (e.g. implement water conservation and reduction initiatives)
Actions Taken this Year	<i>None</i>
Proposed Actions for Next Year	<i>None</i>

Action Type	Green Space (e.g. plant trees, conserve forest etc.)
Actions Taken this Year	<i>Town purchased and remediated a contaminated site located in the commercial heart of downtown Smithers at 1089 Main Street.</i>
	<i>Town continues to jointly hold the Community Forest tenure with the Village of Telkwa.</i>
	More information on the Community Forest through the Wetzin'Kwa Community Forest Corporation: http://www.wetzinkwa.ca/
Proposed Actions for Next Year	<i>Continue with 1089 Main Street concept design.</i> <i>Continue with Community Forest partnership.</i>

Action Type	Other Actions
Actions Taken this Year	<i>None</i>
Proposed Actions for Next Year	<i>None</i>

1.4 Community Wide 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	<i>None</i>

Corporate Actions for 2012

2.1 Measure

Corporate Measurement Actions

Question	What steps has your local government taken toward completing its corporate emissions inventory (e.g. corporate assets gathered related to energy and fuel data and calculated GHG emissions from energy use)?
Answer	<p>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.</p> <p>http://www.smithers.ca/municipal-hall/development-services-planning/corporate-and-community-sustainability-plans</p>

Question	What tool are you using to measure, track and report on your corporate emissions (e.g. SMARTtool, other tools including excel spreadsheets)?
Answer	<i>The Town is using SMARTTool to measure, track and report on corporate emissions.</i>

2.2 Reduce

Supportive Corporate Actions

Action Type	Broad Planning (e.g. developed corporate climate action plan)
Actions Taken this Year	<p>The Town completed the 2012 Corporate Energy and Greenhouse Gas Emissions Plan, which outlines the proposed GHG emissions and the implementation of proposed recommendations. 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% by 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, firehall, 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%.</p> <p>http://www.smithers.ca/municipal-hall/development-services-planning/corporate-and-community-sustainability-plans</p>
Proposed Actions for Next Year	<i>Continue to implement recommendations outlined in the Corporate Energy and Emissions Plan.</i>

Action Type	Building and Lighting (e.g. developed energy reduction plan for all corporate buildings)
Actions Taken this Year	<i>Began the development of a Facilities Maintenance Plan, which incorporates recommendations from the Corporate Energy and GHG Emissions Plan.</i>
	<i>Issued an RFP for the Smithers Airport Terminal Expansion Study. This includes improvement to the energy efficiency of a new or expanded terminal building.</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 (e.g. undertook feasibility study of green energy generation for civic buildings)
Actions Taken this Year	<i>None</i>
Proposed Actions for Next Year	<i>None</i>

Action Type	Transportation (e.g. created anti-idling policy for city vehicles, bike to work week promotion)
Actions Taken this Year	<i>Continue with the existing anti-idling for Town vehicles under Policy ADM-003 adopted in 2008.</i>
Proposed Actions for Next Year	<i>Continue with the existing anti-idling for Town vehicles under Policy ADM-003 adopted in 2008. Invite Town employees to participate in the provincial bike-to-work week.</i>

Action Type	Waste (e.g. completed waste audit of City Hall)
Actions Taken this Year	<i>Continue to promote reducing, reusing and recycling.</i>
Proposed Actions for Next Year	<i>Continue to promote reducing, reusing and recycling.</i>

Action Type	Water/Sewer (e.g. completed study of sewer and water energy use)
Actions Taken this Year	<i>None</i>
Proposed Actions for Next Year	<i>None</i>
Action Type	Other Actions
Actions Taken this Year	<i>None</i>
Proposed Actions for Next Year	<i>None</i>

Direct Corporate Actions

Action Type	Building and Lighting (e.g. energy efficiency retrofits to municipal buildings)
Actions Taken this Year	<p>Airport:</p> <ul style="list-style-type: none"> ● Installed block heater controllers (intelligent parking lot controllers to reduce energy usage. ● Replace windows in the Airport Terminal administration offices. ● Replaced controllers for the departure doors to reduce heat loss. ● Redirected heat from the Electrical Room fan blowing outside, into Terminal lower level area. ● Experiment with alternative ideas for snow plow management to save energy. <p>Chamber of Commerce: Replace furnace.</p> <p>Civic Centre/Arena:</p> <ul style="list-style-type: none"> ● Replaced arena boiler with higher efficiency model. ● Re-piped 3 large hot water storage tanks to increase energy efficiency. <p>Public Works:</p> <ul style="list-style-type: none"> ● Installed door interlocks to minimize heat loss. ● Installed block heater controllers (intelligent parking lot controllers) to reduce energy usage.

	<p>Ranger Park Facility:</p> <ul style="list-style-type: none"> ● Replaced single pane windows with energy efficient windows to reduce space heating demands. ● Heating upgrades to improve energy efficiency.
Proposed Actions for Next Year	<p>Airport:</p> <ul style="list-style-type: none"> ● Issue an RFP to replace the Airport Terminal boiler with a more energy efficient and cost effective model. ● Perform heating upgrades in the Airport Maintenance shop. ● Complete ventilation of welding areas.
	Central Park Building: Crawl space ventilation
	Firehall: convert existing lighting systems to motion sensors with automatic timeoffs.
	Library: Replace furnace with higher efficiency model.
	Public Works: Complete ventilation of welding areas.
	Ranger Park Facility: Phase 4 - replace insulation.
	Ski Smithers Building: Add insulation to roof and repair.
	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>General:</p> <ul style="list-style-type: none"> ● Use the Corporate Energy and GHG Emission Plan and Facility Maintenance Plan as a guide for building efficiency improvements. ● Continue to replace or upgrade less efficient infrastructure with more efficient models. ● Provide on-going maintenance to ensure existing systems are functioning to maximum efficiency. 	

Action Type	Energy Generation (e.g. implemented heat recovery systems, solar)
Actions Taken this Year	None
Proposed Actions for Next Year	None

Action Type	Fleet (e.g. anti-idling policies for fleet vehicles, purchasing of hybrid)
Actions Taken this Year	<p>Public Works:</p> <ul style="list-style-type: none"> ● Replaced dump/plow truck with a more efficient unit. ● Replaced sidewalk/sander with more efficient model.
Proposed Actions for Next Year	<p>Airport:</p> <ul style="list-style-type: none"> ● Replace 1976 forklift with 2009 model which will operate more efficiently. ● Funding application to be submitted under Transport Canada's Airports Capital Assistance Program (ACAP) for Truck & Plow, Towed Runway Sweeper and Front End Loader. <p>Public Works: Make four new vehicle purchases in accordance with Vehicle Purchasing Policy ADM-020 adopted in 2011 that considers emissions, life cycle costs, vehicle efficiency and environmental impact.</p>

Action Type	Waste (e.g. introduction of composting and recycling programs and education)
Actions Taken this Year	<i>Continued with existing recycling programs at Town facilities.</i>
Proposed Actions for Next Year	<i>Continue with existing programs and explore other strategies to reduce waste.</i>

Action Type	Water/Sewer (e.g. initiated water conservation and reduction initiatives)
Actions Taken this Year	<i>Improved stormwater infrastructure by utilizing the stormwater wetland detention area to treat stormwater (through bioremediation) prior to being discharged.</i>
Proposed Actions for Next Year	<i>Continue to improve efficiency in water and wastewater infrastructure.</i>

Action Type	Green Space (e.g. planting of trees)
Actions Taken this Year	<i>None</i>
Proposed Actions for Next Year	<i>None</i>

Action Type	<i>Other Actions</i>
Actions Taken this Year	<i>Concept development for the landscaping a new Town parking lot on Second Ave (pilot project). The landscape design showcases the Downtown Landscape Design Guidelines - using sustainable design principles for overall design and plant selection.</i>
Proposed Actions for Next Year	<i>None</i>

2.3 Corporate Innovations

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

Tonnes CO2e	
Annual corporate emissions using SMARTTool or equivalent inventory tool	
<i>Emissions from services delivered directly by the local government</i>	567.00
<i>Emissions from contracted services</i>	
Less:	
GHG reductions begin claimed for this reporting year from Option 1 – GHG reduction project	
<i>Energy Efficient Building Retrofits and Fuel Switching</i>	.86
<i>Solar Thermal</i>	
<i>Household Organic Waste Composting</i>	
<i>Low Emission Vehicles</i>	
Less:	
GHG reductions being claimed for this reporting year from Option 2 – GHG reduction projects	
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	566.14
Corporate emissions equal to/less than zero -> Carbon neutral for 2012	
Corporate emission greater than zero -> Carbon neutrality not achieved	

Making Progress on Your Carbon Neutral Commitment

Question	Balance of corporate emissions for this reporting year:
Answer	<p><i>Resolution of Council from Finance Committee Meeting of January 9, 2013:</i></p> <p><i>THAT Council create a Carbon Offset Statutory Reserve and allocate the annual \$16,500 that is currently in the Carbon Neutral Offsets budgets to the Reserve;</i></p> <p><i>AND THAT the Statutory Reserve be used to reduce greenhouse gas emissions in the Town of Smithers and/or purchase external carbon offsets, if necessary;</i></p> <p><i>AND THAT the 2012 Carbon Offset Budget be transferred to a Carbon Offset Operating Surplus as of December 31 2012 and in 2013 it will be transferred to the new Carbon Offset Statutory Reserve.</i></p>

Offset Provider	<i>Not applicable at this time</i>
We have already purchased	<i>None</i>
Or, will purchase by June 1, 2013	<i>Not applicable at this time</i>