

## Climate Action Revenue Incentive Plan (CARIP) Public Report

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*Town of Ladysmith  
Cowichan Valley Regional District*

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## General Information

<b>Name of Local Government</b>	<i>Town of Ladysmith</i>
Member of Regional District (RD)	<i>Cowichan Valley Regional District</i>
Regional Growth Strategy (RGS) in region	
Population	<i>7921</i>

## Community-Wide Actions for 2012

### 1.1 Measure

#### Community-Wide Measurement Actions

Question	Have you been using the <i>Community Energy and Emissions Inventory (CEEI)</i> to measure progress? What else have you been using instead of/in addition to CEEI?
Answer	Yes
Additional Information	Utilize staff to monitor and <i>understand the CEEI report</i> . <i>Continue to work with Environment work through the Economic Development and Environmental Commission</i>

### 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 <i>Local Governments Act (LGA)</i> ? If yes, please identify the targets set. If no or in progress, please comment.
Answer	Yes
Additional Information	<i>5% reduction in total community emissions by 2012 from 2007 levels</i> <i>33% reduction in total community emissions by 2020 from 2007 levels</i> <i>15% reduction in total community emissions by 2016 from 2007 levels</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 <i>Local Governments Act (LGA)</i> ? 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	<b>Broad Planning (e.g. creation/revision of OCPs, CEPs, transportation plans)</b>
Actions Taken this Year	<b><i>Commenced review of the Zoning Bylaw to implement policies of the OCP and Community Vision directions, as well as considering support and reducing barriers for "green initiatives".</i></b>
Proposed Actions for Next Year	<b><i>Master Transportation Plan. Continue with Zoning Bylaw update. Continue to seek out green development and incentives for environmentally sensitive business practices.</i></b>

Action Type	<b>Building and Lighting (e.g. developed green building policy, increased density in the downtown)</b>
Actions Taken this Year	<b><i>A new commercial/multi-family (2-units) project was constructed taking advantage of the DCC reduction (waiver) in the Downtown. The Zoning Bylaw project (commenced in 2011) is considering regulations that support increased density in the downtown. Received recognition for LEED Gold for a new municipal building construction.</i></b>
Proposed Actions for Next Year	<b><i>Investigating the feasibility of District Heating on 6th Avenue; continue to review DCC incentives, such as encouraging low water usage in new developments</i></b>

Action Type	<b>Energy Generation (e.g. signed on to provincial 'solar ready' regulation, explored options for bioheating for buildings)</b>
Actions Taken this Year	<b><i>continued program for solar ready regulation</i></b>
Proposed Actions for Next Year	<b><i>Investigating the feasibility of District Heating on 6th Avenue.</i></b>

Action Type	<b>Green Space (e.g. developed urban forestry policy, adopted park acquisition policy)</b>
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Actions Taken this Year	<b>commencing framework for boundary expansion <i>lands</i></b>
Proposed Actions for Next Year	<b>framework to encompass green spaces, <i>such as continue to use Town owned properties for food production.</i></b>

Action Type	<b>Transportation (e.g. developed sustainable transportation plan, completed bicycle master plan)</b>
Actions Taken this Year	<b>New multi-use path created to <i>link to employment centres and neighborhoods</i></b>
Proposed Actions for Next Year	<b>Master Transportation Plan; joining BC <i>Transit System</i></b>

Action Type	<b>Waste (e.g. introduced composting and recycling education programs)</b>
Actions Taken this Year	<b>Residential Organics and recycling pickup <i>continues. Recycling education continuing, through CVRD and through the Town with community garden program.</i></b>
Proposed Actions for Next Year	<b>Examination of Municipal Bio-solids composting <i>options, in conjunction with the secondary treatment plant upgrade scheduled to come online in 2015. Review multi-family composting options.</i></b>

Action Type	<b>Water/Sewer (e.g. participated in water smart initiatives, implemented Water Action Plan, introduced rebates on low flush toilets)</b>
Actions Taken this Year	<b>Low-Flush Toilet rebate program continues; <i>110 rebates were issued.</i></b>
Proposed Actions for Next Year	<b>Consideration of extending program to <i>include high efficiency washing machines.</i></b>

Direct Community-Wide Actions

Action Type	<b>Buildings (e.g. implement use of sustainability checklists and development permit guidelines for new buildings)</b>
Actions Taken this Year	<b>use of sustainability checklists</b>
Proposed Actions for Next Year	<b>Updated Development Permit guidelines are <i>in the process of being created which will consider the new Climate Change DPA opportunities in the LGA.</i></b>

Action Type	<b>Energy Generation (e.g. implement district energy, geothermal, solar)</b>
Actions Taken this Year	<b>Investigated existing District Heating Systems.</b>
Proposed Actions for Next Year	<b>look at sites for local <i>District Heating System</i></b>

Action Type	<b>Transportation (e.g. implement bike lanes, pedestrian paths, upgrade transit service and infrastructure, improve roads, parking fees etc.)</b>
Actions Taken this Year	<b>Constructed new multi-use lanes/pathway <i>on Bayview Avenue to connect with Coronation Mall area.</i></b>
Proposed Actions for Next Year	<b>Transportation Plan; Join BC Transit <i>service</i></b>

Action Type	<b>Waste (e.g. introduce composting and recycling programs )</b>
Actions Taken this Year	<b>Implemented a Used Oil return <i>depot at Public Works through Cowichan Valley Biofuels.</i></b>
Proposed Actions for Next Year	<b>Expand compost and recycling program <i>to include others</i></b>

Action Type	<b>Water/Sewer (e.g. implement water conservation and reduction initiatives)</b>
Actions Taken this Year	<b>Low-Flush Toilet rebate program continues; <i>110 rebates were issued.</i></b>
Proposed Actions for Next Year	<b>Consideration of extending program to <i>include high efficiency washing machines.</i></b>

Action Type	<b>Green Space (e.g. plant trees, conserve forest etc.)</b>
Actions Taken this Year	<b>Trees and shrubs planted along <i>the new multi-use pathway to create a high quality environment funded by Trees Canada; working with First Nations and private land developers to acquire watershed lands.</i></b>
Proposed Actions for Next Year	<b>Continue work on acquisition of <i>watershed lands and framework for boundary expansion</i></b>

Action Type	<b>Other Actions</b>
Actions Taken this Year	<b>3rd in B.C. for <i>energy reduction in Earth Hour 2012; Donated approximately 300lbs of produce grown on Town-owned lands and on the City Hall gardens to the Community Food Bank.</i></b>
Proposed Actions for Next Year	<b>Continue to donate produce to <i>the local food bank.</i></b>

## 1.4 Community Wide Innovation

Question	<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.</b>
Answer	<b>Continue to provide information on <i>our website on 'what you can do'</i> <a href="http://www.ladysmith.ca/sustainability-green-living/overview">http://www.ladysmith.ca/sustainability-green-living/overview</a></b>





## Corporate Actions for 2012

### 2.1 Measure

#### Corporate Measurement Actions

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)?</b>
Answer	<b>Continue to utilize CEEI information <i>and standards</i>. <i>Tracking and monitoring fuel consumption in vehicles.</i> <i>Uploading and monitoring of BC Hydro data</i></b>

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

### 2.2 Reduce

#### Supportive Corporate Actions

Action Type	<b>Broad Planning (e.g. <i>developed corporate climate action plan</i>)</b>
Actions Taken this Year	<b>Work through CSIP</b>
Proposed Actions for Next Year	<b>Conclude CSIP</b>

Action Type	<b>Building and Lighting (e.g. <i>developed energy reduction plan for all corporate buildings</i>)</b>
Actions Taken this Year	<b>Constructed a LEED gold new <i>municipal building-Ladysmith Community Services Centre</i></b>

Proposed Actions for Next Year	<b>Continue energy reduction plans for <i>all buildings</i></b>
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Action Type	<b>Energy Generation (e.g. <i>undertook feasibility study of green energy generation for civic buildings</i>)</b>
Actions Taken this Year	<b>investigating energy recovery on a <i>number of projects, including water pipeline and sewer infrastructure</i></b>
Proposed Actions for Next Year	<b>Use of solar lighting in <i>buildings, working with insurance provider to install in high priority areas</i></b>

Action Type	<b>Transportation (e.g. <i>created anti-idling policy for city vehicles, bike to work week promotion</i>)</b>
Actions Taken this Year	<b>anti-idle practice for municipal vehicles</b>
Proposed Actions for Next Year	<b>Promote bike/walk to work <i>week for Town Staff and community.</i></b>

Action Type	<b>Waste(e.g. <i>completed waste audit of City Hall</i>)</b>
Actions Taken this Year	<b>oil separation(oil recycling facility)</b>
Proposed Actions for Next Year	

Action Type	<b>Water/Sewer (e.g. <i>completed study of sewer and water energy use</i>)</b>
Actions Taken this Year	<b>near completion of liquid waste <i>management plan</i></b>
Proposed	

Actions for Next Year	<b>completion of liquid waste management <i>plan</i></b>
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Action Type	<b>Other Actions</b>
Actions Taken this Year	<b>Named one of Canada's' Top 100 Green Employers in Canada Printed tourism brochures on 100% FSC certified recycled paper</b>
Proposed Actions for Next Year	

### Direct Corporate Actions

Action Type	<b>Building and Lighting (e.g. energy efficiency retrofits to municipal buildings )</b>
Actions Taken this Year	<b>Commenced construction of improvements to <i>sewer treatment plant</i> <i>Initiated resurfacing of water spray park with recycled tires.</i></b>
Proposed Actions for Next Year	<b>construction of sewer treatment plant <i>complete water spray park resurfacing</i></b>

Action Type	<b>Energy Generation (e.g. implemented heat recovery systems, solar)</b>
Actions Taken this Year	<b>energy recovery plans developed-including water <i>and sewer construction</i></b>
Proposed Actions for Next Year	<b>construction of energy recovery components <i>in water and sewer projects</i></b>

Action Type	<b>Fleet (e.g. anti-idling policies for fleet vehicles, purchasing of hybrid)</b>
Actions Taken this Year	<b>commenced study of acquisition of <i>electric vehicles for fleet;</i></b>
Proposed Actions for Next Year	<b>Consideration of purchase of municipal <i>electric vehicle; investigating liquid natural gas vehicle conversion</i></b>

Action Type	<b>Waste (e.g. introduction of composting and recycling programs and education)</b>
Actions Taken this Year	<b>education program provided by parks <i>staff</i></b>
Proposed Actions for Next Year	<b>compost-multi-family and commercial</b>

Action Type	
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	<b>Water/Sewer (e.g. initiated water conservation and reduction initiatives)</b>
Actions Taken this Year	<b>Commenced construction of improvements to <i>sewer treatment plant</i></b>
Proposed Actions for Next Year	<b>continue with construction of improvements to <i>sewer treatment plant</i></b>

Action Type	<b>Green Space (e.g. planting of trees )</b>
Actions Taken this Year	<b>tree program on boulevards and <i>through tree Canada</i></b>
Proposed Actions for Next Year	<b>tree program</b>

### 2.3 Corporate Innovations

Question	<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.</b>
Answer	<b>Top 100 Green Employers (see <i>list of achievements on corporate website</i>)</b>

## Carbon Neutral Progress Reporting

Tonnes CO2e

Annual corporate emissions using SMARTTool or equivalent inventory tool	447.39
<i>Emissions from services delivered directly by the local government</i>	443.91
<i>Emissions from contracted services</i>	3.48
	82.88
Less:	
GHG reductions being claimed for this reporting year from Option 1 - GHG reduction project	
<i>Energy Efficient Building Retrofits and Fuel Switching</i>	
<i>Solar Thermal</i>	
<i>Household Organic Waste Composting</i>	82.88
<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>	
	364.51
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.	
<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

Question	<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>
Answer	

Offset Provider	<b>Cowichan Energy Alternatives</b>
We have already purchased	<b>yes</b>
Or, will purchase by June 1, 2013	