

# CLIMATE ACTION REVENUE INCENTIVE PROGRAM (CARIP) PUBLIC REPORT

For Reporting Year =

**2011**

GENERAL INFORMATION	Fill in the boxes below
Name of Local Government	<i>Town of Ladysmith</i>
Member of Regional District (RD)	<i>Cowichan Valley Regional District</i>
Regional Growth Strategy (RGS) in region	<i>No</i>
Population	<i>7,538</i>
<b>Report Submitted by</b>	
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## Community-Wide Actions

1.1 MEASURE	ANSWER	ADDITIONAL INFORMATION
<p><b>Community Wide Measurement Actions</b></p> <p><b>QUESTION</b></p> <p>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?</p>	Yes	<p>1. Have assigned staff to : monitor and understand the <i>Community Energy and Emissions Inventory</i> report to better understand the source of emissions within the community and identify potential areas of mitigation and action.</p> <p>2. Formed an Environment Commission to examine the CEEI and provide advise and</p>
1.2 PLAN	ANSWER	ADDITIONAL INFORMATION
<p><b>Community Wide Targets</b></p> <p><b>QUESTION</b></p> <p>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</p> <p>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</i> (LGA)? If yes, please identify the targets set. If no or in progress, please comment.</p>	Yes	<p><i>Community Targets: Reduction from 2007 levels - 5% by 2012; 15% by 2016; 33% by 2020.</i></p>
1.3 REDUCE		
<p><b>Supportive Community-Wide Actions</b></p> <p><b>Supportive Community-Wide Actions</b></p>	Actions Taken in 2011	Proposed Actions for 2012

<p><b>Broad Planning</b> (e.g. creation/revision of OCPs, CEPs, transportation plans)</p>	<p>Revised DCC's to include incentives for development in downtown core, developments with a low environmental impact supporting Ladysmith Vision</p>	<p>Commence zoning bylaw update; complete CSIP. Continue to investigate and implement incentives to green development and business</p>
<p><b>Building and Lighting</b> (e.g. developed green building policy, increased density in the downtown)</p>	<p>Revised DCC's to include incentives for development in downtown core, supporting the Ladysmith Vision.</p>	<p>Develop further DCC incentives for development with low environmental impact.</p>
<p><b>Energy Generation</b> (e.g. signed on to provincial 'solar ready' regulation, explored options for bioheating for buildings)</p>	<p>Investigated solar panels for Annual Light Up Parade;</p>	<p>Exploring options for bioenergy</p>
<p><b>Green Space</b> (e.g. developed urban forestry policy, adopted park acquisition policy)</p>	<p>City Hall gardens used for food production for local food bank. Town owned properties leased to community garden for food production. Leases of boulevards for citizen food production. New site: Spirit Square planted with food producing plants.</p>	<p>City Hall gardens, Town owned properties and Spirit Square gardens used for food production; complete study of brownfield sites</p>
<p><b>Transportation</b> (e.g. developed sustainable transportation plan, completed bicycle master plan)</p>	<p>Run trolley system; received funding for improvements to multi-use pathway.</p>	<p>Additional hours from BC Transit through CVRD; undertake improvements to multi-use pathway.</p>
<p><b>Waste</b> (e.g. introduced composting and recycling education programs)</p>	<p>Undertook pilot project with BigBelly solar compactors on 1st Avenue to reduce GHGs and save operating expenses from garbage truck</p>	<p>Investigate collection of organics from multi-family and organic/recycling containers in downtown core</p>
<p><b>Water/Sewer</b> (e.g. participated in water smart initiatives, implemented Water Action Plan, introduced rebates on low flush toilets)</p>	<p>Rebates on low flush toilets; Liquid waste management plan including energy saving and environmental features; success with grant for hydroelectric generation on water project</p>	<p>Rebate on low flush toilets; Upgrade WWTP to protect harbour and shellfish; complete hydroelectric on water pipe project</p>
<p><b>Other Actions</b></p>	<p>Host community event as part of CSIP to include all groups in inventory success and needs</p>	<p>Host community event to report back on CSIP results ; reconvene environmental-economic development focus by adding additional resources for same-attraction of green business with CVRD</p>
<p><b>Direct Community-Wide Actions</b></p>	<p><b>Actions Taken in 2011</b></p>	<p><b>Proposed Actions for 2012</b></p>
<p><b>Community-Wide Direct Actions</b></p>		

**Buildings** (e.g. implement use of sustainability checklists and development permit guidelines for new buildings)

1. Council incorporated a Sustainable Development Checklist into the Development Procedures Bylaw that aligns the Community's Vision with development projects and proposals in Ladysmith.  
2. Winner of the 2010 Town Hall Challenge - Energy Performance Benchmarking  
3. Zoning Bylaw amended to permit secondary suites within single family dwellings as an element of complete, community land use  
4. New Development Cost Charge Bylaws were adopted that provide incentives to projects in Ladysmith's Downtown (as development with lower environmental impact) which supports the Ladysmith Vision

1. Ongoing use of checklist; enhanced reporting to Council; work with development applicants to improve responses.  
2. New site specific development permit under consideration including Energy and Water Conservation and GHG emission reduction guidelines.  
3. Zoning Bylaw density for amenity amendment under consideration for high energy efficient construction.

**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)

Bicycle friendly policies incorporated into the OCP and a bicycle parking option (in place of vehicle parking) provided in the Zoning Bylaw for larger development proposals  
Continue award winning household compost expansion - met with multi family stratas for expansion of service; Hosted tours and presented program to others

Water rebate for low flush toilets to households

Investigate district energy with group from BC and Europe.  
Construct bike/pedestrian path connecting two areas of Town, reducing vehicle trips; upgrade transit services (negotiating with BC Transit);

Investigation organic compost pick up provision to multi family

Water rebate program for low flush toilets to households; Complete Liquid Waste Management Plan; Investigate rainwater/stormwater management

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

*City Hall gardens used for food production for local food bank. Town owned properties leased to community garden for food production. Leases of boulevards for citizen food production. New site: Spirit Square planted with food producing plants. BC Hydro sponsored tree plantings*

*Plant trees with funding from BC Hydro on new bike/pedestrian connector; Investigate pesticide/herbicide free bylaws*

**Other Actions**

*1.Assisted with the hosting of 'Climate Smart for Business' which assisted Ladysmith businesses to learn about climate change, count GHG emissions, and develop custom strategies for energy savings  
2.New Town website launched with resources for residents and developers about the Ladysmith Vision and sustainability practices  
3.Commenced Community Sustainability*

*1. Complete Community Sustainability Implementation plan (bringing together a number of agencies to share ideas and overlap on sustainability);  
2. Promote buy local campaign (10% shift) with local chamber and downtown business association; assist with leadership development day on community building and sustainability*

**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**

*1. Collaboration on a joint build with social service agencies-built to LEED Gold standard, with surrounding Spirit Square incorporating sustainability practices. 2. Brought together a number of agencies (VIHA, BCA, Fortis, School District, Regional District, BC Transit, Chamber, Downtown Business Association to work together on sustainability in Ladysmith.*

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## Corporate Actions

### 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

1. Assigned staff and engaged contractors to: better understand the Town's corporate emissions, identify sources and areas for potential reductions and convert fuel consumption to GHG emission equivalents.

2. Have also formed a 'Green Team' to provide leadership on issues related to workplace environmental sustainability.

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

### 2.2 REDUCE

#### Supportive Corporate Actions

##### Supportive Corporate Actions

**Broad Planning** (e.g. developed corporate climate action plan)

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

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

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

##### Actions Taken in 2011

commenced CSIP

built new building LEED Gold standard

bike/walk to work week promotion

##### Proposed Actions for 2012

conclude CSIP

continue energy reduction plans for all buildings

bike/walk to work week promotion

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

*all municipal buildings doing organic and other recycling; no plastic water bottles purchased*

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

**Other Actions**

**Direct Corporate Actions**

**Building and Lighting** (e.g. energy efficiency retrofits to municipal buildings )

**Actions Taken in 2011**

*Further analysis of energy consumption reduction initiatives in Town buildings*

**Proposed Actions for 2012**

**Energy Generation** (e.g. implemented heat recovery systems, solar)

**Fleet** (e.g. anti-idling policies for fleet vehicles, purchasing of hybrid)

*Examine participating in the E3 Fleet Initiative*

*Acquire hybrid and electric vehicles*

**Waste** (e.g. introduction of composting and recycling programs and education)

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

**Green Space** (e.g. planting of trees )

*BC Hydro funded tree plantings on Spirit Square; Food production on town owned properties*

*BC Hydro funded tree plantings on Bike/Walk connector*

*Examine a formalized sustainable purchasing policy for the Town*

**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.