

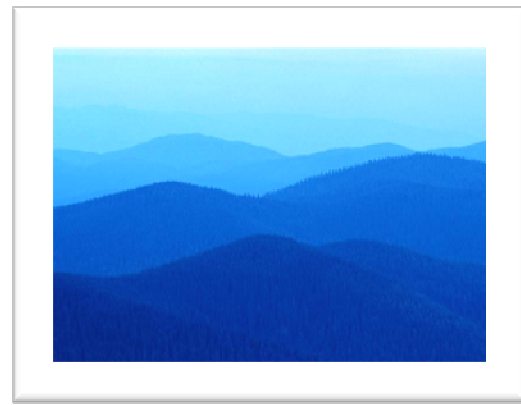
Climate Action Revenue Incentive Program (CARIP) Public Report

Climate Action Revenue Incentive (CARIP)

Public Report for YEAR 2013

District of North Cowichan

Cowichan Valley Regional District



Report Submitted by

March 15, 2013

General Information

Name of Local Government	District of North Cowichan
Member of Regional District (RD)	Cowichan Valley Regional District
Regional Growth Strategy (RGS) in region	No
Population	30,168

Table of Contents

Community Wide Actions for 2014	2
1.1 Measure	2
Community Wide Measurement Actions.....	2
1.2 Plan.....	2
Community Wide Targets	2
1.3 Reduce.....	2
Supportive Community Wide Actions.....	2
Direct Community Wide Actions.....	5
Corporate Actions for 2014	8
2.1 Measure	8
Corporate Measurement Actions	8
2.2 Reduce.....	8
Supportive Corporate Actions.....	8
Direct Corporate Actions	10
2.3 Corporate Innovation	11
Carbon Neutral Progress Reporting	12
3.1 Carbon Neutral Progress Reporting	12
3.2 Making Progress on Your Carbon Neutral Commitment.....	12
3.3 Offset Provider Information	14

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	GHG proof built upon the CEEI to establish more detailed emissions inventory in North Cowichan's Climate Action and Energy Plan (CAEP) adopted by Council Feb 2013

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	OCP targets are: carbon neutrality as soon as possible 33% reduction by 2020 over 2007 levels 80% reduction by 2050 over 2007 levels The CAEP process refined one target to 33% reduction by 2025 based on 2007 levels.

1.3 Reduce

Supportive Community Wide Actions

Action Type	Broad Planning
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<p>Actions Taken this Year</p>	<p>The Climate Action and Energy Plan was completed and adopted by Council Feb 2013. An Implementation Framework has been drafted.</p> <p>BC Hydro funded Community Energy Manager and co-op student positions - Nov 2013. Tasks include: developing a new building energy efficiency policy or regulation developing an implementation plan for the GHG Tax Exemption Bylaw undertaking energy modelling baseline for the 3 growth centres</p> <p>Reviewing the Zoning Bylaw.</p> <p>The OCP Implementation Framework continues to be worked on including establishing monitoring metrics and related baseline data</p>
<p>Proposed Actions for Next Year</p>	<p>Complete the CAEP implementation framework completed and adopted by Council.</p> <p>Complete tasks for BC Hydro CEM and co-op student.</p> <p>Complete the Zoning Bylaw review</p> <p>Complete the OCP Implementation Framework and adopted by Council.</p>

Action Type	Building and Lighting
<p>Actions Taken this Year</p>	<p>Local area plans (LAP) for two growth centres (Crofton and University Village in the South End) were initiated. These LAPs will be guiding policy documents for the creation of well-defined, mixed use communities including design guidelines, a regulating plan and policies to reduce energy, waster and water consumption.</p>
<p>Proposed Actions for Next Year</p>	<p>LAPs for Crofton and University Village to be completed and adopted by Council. The LAPs include establishing energy modelling/density for the plan areas. This modelling will act as benchmark data to determine efficacy of future policies/regulations.</p>

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

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

Action Type	Transportation
Actions Taken this Year	The Duncan Area Active Transportation Plan is still under development.
Proposed Actions for Next Year	The Active Transportation Plan will be completed and adopted by Council.

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

Action Type	Water/Sewer
Actions Taken this Year	A watershed plan for the Bonsall Creek watershed was initiated.
Proposed Actions for Next Year	The Bonsall Creek watershed plan will be completed and adopted by Council.

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

Direct Community Wide Actions

Action Type	Buildings
Actions Taken this Year	Revitalization Tax Exemption Bylaw was adopted that incentivizes higher density development in the mixed use commercial core areas within the three growth centres as well as reductions in GHGs for industrial land uses.
Proposed Actions for Next Year	Sustainability checklist is underdevelopment Development permit area and guidelines incorporating the Merton Rule is under investigation Undertake an implementation plan to increase uptake of the Revitalization Tax Exemption Bylaw.

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

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

Action Type	Waste

Actions Taken this Year
Proposed Actions for Next Year

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

Action Type	Green Space
Actions Taken this Year	
Proposed Actions for Next Year	Updating our environmentally sensitive areas data.

Action Type	Other Actions
Actions Taken this Year	Council adopted a 0.5% tax levy to establish a Carbon Reserve Fund that would act as a revolving loan fund to fund energy and GHG reductions for corporate and community projects.
Proposed Actions for Next Year	Develop terms of reference for the Carbon Reserve Fund. The Climate Change Action Committee is proposing a pilot household challenge for energy and GHG reduction.

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	CommunityforClimate fair was held June 2013. The municipality received the top award from the Community Energy Association for its Climate Action and Energy Plan.

<http://www.northcowichan.ca/EN/main/departments/engineering/climate-action-and-energy-plan/climate-change.html>

Corporate Actions for 2012

2.1 Measure

Corporate Measurement Actions

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

Question	What tool are you using to measure, track and report on your corporate emissions?
Answer	SMARTtool

2.2 Reduce

Supportive Corporate Actions

Action Type	Broad Planning
Actions Taken this Year	Climate action plan completed. Includes both corporate and community initiatives.
Proposed Actions for Next Year	Develop implementation plan for corporate initiatives.

Action Type	Building and Lighting
Actions Taken this Year	Developed system for tracking energy consumption. Completed energy audits on Cowichan Aquatic Centre and Fuller Lake Arena.

Proposed Actions for Next Year	Complete 5 Facilities Audit (Municipal Hall, Operations Bldg Chemainus Tri-Services Bldg, Crofton Firehall, South End Firehall).
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Action Type	Energy Generation
Actions Taken this Year	
Proposed Actions for Next Year	

Action Type	Transportation
Actions Taken this Year	Anti-idling policy. Continue with fleet right sizing.
Proposed Actions for Next Year	Continue with fleet right sizing.

Action Type	Water/Sewer
Actions Taken this Year	
Proposed Actions for Next Year	Considering energy audit of sewage treatment plants.

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

Direct Corporate Actions

Action Type	Building and Lighting
Actions Taken this Year	Undertook reductions in energy use totalling 326,000 ekWh.
Proposed Actions for Next Year	Have identified 214,000 ekWh of energy savings projects.

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

Action Type	Fleet
Actions Taken this Year	Implement fleet right-sizing. Replaced Garbage trucks with new trucks to cut trips to transfer facility (16,000 ekWh savings).
Proposed Actions for Next Year	Continue to right-size fleet as vehicles need to be replaced.

Action Type	Waste
Actions Taken this Year	Implemented organics collection programme. Education through school outreach.
Proposed Actions for Next Year	Enter into agreement with MMBC. Continue school programme.

Action Type	Water/Sewer
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Actions Taken this Year	Continuing: 1) sanitary sewer inflow & infiltration reduction program; 2) environmental outreach school programme.
Proposed Actions for Next Year	Complete sanitary sewer I&I programme and mapping. Implement 2014 energy projects per Corporate Strategic Energy Management Plan. Investigate energy saving opportunities at STPs. Investigate water conservation opportunities for large water users.

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	1469
<i>Emissions from services delivered directly by the local government</i>	1274
<i>Emissions from contracted services</i>	195
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>	483
<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>	986
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	<i>The Municipality put \$118,000 in a Reserve for Climate Action and Energy, to fund</i>

projects that will reduce the Municipality's energy use or greenhouse gas emissions

3.3 Offset Provider Information

Question	Please Identify the name(s) of your offset provider(s) (Please answer below):
Answer	Please enter response here

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	Please select from drop down

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	Please select from drop down