

Climate Action Revenue Incentive Program (CARIP) Public Report

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Public Report for YEAR 2013

Comox Valley Regional District

Report Submitted by

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General Information

Name of Local Government	Comox Valley Regional District
Regional Growth Strategy (RGS) in region	Yes
Population	65,832

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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	Have a staff position responsible for review of emissions inventory.

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	In Progress
Additional Information	Community GHG will reflect RGS and Comox Valley Sustainability Strategy targets and will include actions dictated by both documents. With adoption of RGS staff are working towards incorporating GHG OCP policies. The revised OCP project is underway and aimed to be completed by the end of 2014.

1.3 Reduce

Supportive Community Wide Actions

Action Type	Broad Planning
Actions Taken this Year	Commenced with implementing the adopted RGS, which includes numerous targets/policies related to GHG reductions.

Action Type	Broad Planning
Proposed Actions for Next Year	Update OCP to include GHG targets/policies, revised agriculture and aquaculture policies (which includes methods of lowering GHG emissions by supporting locally produced food and "buy local" campaigns, and water savings measures), a revised Mt. Washington integrated resort community plan (which includes policies and development permits that encourages reduced GHG emissions).

Action Type	Building and Lighting
Actions Taken this Year	Completed the establishment of a green building education website, where educational material and related rebate programs are displayed.
Proposed Actions for Next Year	Continue providing rebate programs and the implementation of a water efficiency plan.

Action Type	Energy Generation
Actions Taken this Year	Installed renewable energy demonstration projects at numerous electoral area sites.
Proposed Actions for Next Year	Continue installations of renewable energy systems and associated educational opportunities.

Action Type	Green Space
Actions Taken this Year	"On-going improvements and maintenance of the regional parks system. Acquired new parkland in strategic areas identified in the Rural Comox Valley Parks and Greenways Strategic plan, 2011-2030. Constructed a walking trail along Hawkins Road to Goose Spit Park, a walking trail through Denman Village and the multi-use Bob Webb Trail that connects the One Spot Trail and Wildwood Forest trail systems. "
Proposed Actions for Next Year	"On-going improvement and maintenance of the regional parks system. Acquire more property in line with the parks and greenways strategy. Plan for and start construction of a second phase of the Denman cross-island trail. Initiate a park master planning process for Mt. Geoffrey Nature Park on Hornby Island. Initiate a park master planning process for Seal Bay Nature Park.



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Action Type	Transportation
Actions Taken this Year	Participated in the Comox Valley Cycling Task Force. Increased transit promotion through installation of bus shelters and cycling signage in electoral areas. Raised awareness of the local carpooling site. Undertook Transit service review.
Proposed Actions for Next Year	Provide public education on sustainable transit and alternative transportation options. Undertake transit master plan. Continue participation with Comox Valley Cycling Task Force.

Action Type	Waste
Actions Taken this Year	On-going waste reduction activities and education, investigating increased diversion and resource recovery options. Adopted the solid waste management plan. Improved legal dumping initiatives, such as an illegal dumping education program. Implementation of pilot composting programs. Completed design of two land fill closures to reduce GHG emissions by 75%, plus minus 2000 tonnes of methane (CH4) per year.
Proposed Actions for Next Year	Continue waste reduction activities and education and the implementation of the adopted waste management plan. By June 2104, complete the illegal dumping bylaw. By September 2014, complete assessment report on review of pilot composting programs, without having a target date for implementation on a regional basis.

Action Type	Water/Sewer
Actions Taken this Year	Participated in Convening for Action on Vancouver Island and the British Columbia Water and Waste Associated (BCWWA) Drinking Water Week. Continued implementing the water efficiency plan. Introduced mock billing for newly metered regional district electoral area customers.
Proposed Actions for Next Year	Continue implementation of water efficiency plan. Participate in Convening for Action on Vancouver Island and consider participated in British Columbia Water and Waste Associated (BCWWA) Drinking Water Week. Education and enforcement of staged water restrictions. Continue with leak water detection project.

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

Direct Community Wide Actions

Action Type	Buildings
Actions Taken this Year	Introduced home energy incentive programs. Created a mixed use development permit with guidelines for water saving measures and reducing GHG emissions for Mt. Washington integrated resort community plan (IRCP).
Proposed Actions for Next Year	Continue to implement electoral areas green building program including rebates and education. Adopt and implement the mixed use development permit for Mt. Washington IRCP to save water and reduce GHG emissions.

Action Type	Energy Generation
Actions Taken this Year	Implemented home energy incentive programs and installed energy demonstration projects.
Proposed Actions for Next Year	Continue home energy incentive program and additional energy demonstration projects.

Action Type	Transportation
Actions Taken this Year	Ongoing transit improvements and raising awareness of alternative transportation options, such as the local car pool site. Added bus shelters and cycling signage in the electoral areas of the Comox Valley Regional District. Extended the 350 service hours of public transit.
Proposed Actions for Next Year	Ongoing transit improvements, including improving the awareness of alternative transportation options through educational videos on the CVRD website, and hosting an artistic bike rack competition. Continue work with the Ministry of Transportation and Infrastructure on improved cycling amenities in electoral areas.

Action Type	Waste
Actions Taken this Year	On-going waste reduction activities and education. Planning how to collect and compost food waste. Improved backyard composting centres of the CVRD and SRD. Ongoing education and distribution of composters. Maintained and relocated recycling collection centres, contributing to the waste diversion rate. Maintained the dry-wall diversion program, resulting in dry-wall diverted from land fill.
Proposed Actions for Next Year	Ongoing waste reduction activities and education, including a revision of the food waste composting project.

Action Type	Water/Sewer
Actions Taken this Year	Continued mock billing for water use until the end of November 2013. Continued implementing of water efficiency plan, including toilet rebated, outdoor irrigation rebates, system wide leak detection and community water education.
Proposed Actions for Next Year	Continued implementing water efficiency plan, public support and rebate programs. Continue with leak detection project and enforcement of staged water restrictions.

Action Type	Green Space
Actions Taken this Year	"Adopted the parkland acquisition and development cost charges bylaw to help fund priorities in the Rural Comox Valley Parks and Greenways Strategic Plan, 2011-2030. Constructed the following trails planned in the previous year: the Royston Seaside Trail including construction of green shores foreshore stabilization works, the village section of the Denman cross-island trail, the Hawkins greenway, and the Bob Webb Trail linking the One Spot to the Wildwood Forest trail systems. "
Proposed Actions for Next Year	Implement the parkland acquisition and parkland development cost charges bylaw to help fund priorities in the Rural Comox Valley Parks and Greenways Plan. Construct phase two of the multi-use Denman cross-island trail. Pending approval from the Agricultural Land Commission, extend the multi-use One Spot Trail. Complete construction of the Royston Seaside Trail including planting of native plants along the trail. Upgrade bike trails through Nymph Falls Park. Make repairs to the newly acquired Royston to Cumberland Railway trail. Register a conservation covenant over a 0.5 acre piece of mature Douglas-fir forest. Continue to remove invasive species in parks to protect native ecosystems.

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?
Answer	The CVRD has a board approved corporate energy plan and has completed the energy/GHG inventory of 2013 GHG emissions.

Question	What tool are you using to measure, track and report on your corporate emissions?
Answer	An Excel based spreadsheet to collect and analyze energy/GHG data and develop regular reports

2.2 Reduce

Supportive Corporate Actions

Action Type	Broad Planning
Actions Taken this Year	Completed energy/GHG inventory and undertook an integrated resource recovery (IRR) study.
Proposed Actions for Next Year	Regular reporting of energy/GHG emissions.

Action Type	Building and Lighting
Actions Taken this Year	Undertook an integrated resource recovery (IRR) study and numerous energy audits at key facilities. Evaluated renewable energy and energy efficiency for heating pool water at sports and aquatic centres.
Proposed Actions for Next Year	Planning and analysis for the development of a regional office facility with green building features.

Action Type	
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Energy Generation	
Actions Taken this Year	Undertook integrated resource recovery (IRR) opportunities study. Evaluated wind and solar options at numerous sites, including recreation facilities.
Proposed Actions for Next Year	On-going investigation of other opportunities for integrated resource recovery (IRR) and renewable energy.

Action Type	Transportation
Actions Taken this Year	Promoted bike to work week for staff. Implemented the amended fleet management policy, which amongst other address GHG reductions. Expanded the corporate fleet with fuel efficient vehicles and the purchase of an electric bike. Through education and additional notices, identify anti-idling zones, such as the parking area in front of the main CVRD office building.
Proposed Actions for Next Year	On-going promotion of bike-to-work week and implementation of amended fleet management policy to ensure that the GHG reduction strategies of the policy are met.

Action Type	Water/Sewer
Actions Taken this Year	Promote water efficiency and water saving measures.
Proposed Actions for Next Year	On-going promotion of water efficiency and water saving methods.

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	Completed updating all internal computer systems to improve energy efficiency.
Proposed Actions for Next Year	Based on audits, undertake feasible retrofits.
Action Type	Energy Generation
Actions Taken this Year	Completed installation of solar power systems at the Oyster River fire hall, the Royston Water Service office, the Fanny Bay fire hall and Little River Water Station.
Proposed Actions for Next Year	Based on results of renewable energy studies undertake feasibility projects and energy audits. Energy retrofits at the Comox Valley sports and/or aquatic centres.
Action Type	Fleet
Actions Taken this Year	Expanded the corporate fleet with more fuel efficient vehicles.
Proposed Actions for Next Year	Continue to optimize fleet composition for reduced GHG emissions. On-going internal driver education programs.
Action Type	Waste
Actions Taken this Year	Improved waste collection bins for improved diversion at recreation facilities.
Proposed Actions for Next Year	Reduce GHG emissions through on-going efficiency waste transfer diversion.

Action Type	Water/Sewer
Actions Taken this Year	Promoted water efficiency.
Proposed Actions for Next Year	On-going promotion of water efficiency and water saving measures.

Action Type	Green Space
Actions Taken this Year	N.A.P. for regional district functions
Proposed Actions for Next Year	

Action Type	Other Actions
Actions Taken this Year	
Proposed Actions for Next Year	Contributing financial support to Project Watershed for the Project Watershed's blue carbon initiative, which would include research and development of a protocol to utilize estuary restoration projects, including eelgrass and saltmarsh restoration to reduce GHG emissions.

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	"Worked with BC Hydro and installed a solar powered street light in Royston. Launched a Comox Valley community carbon marketplace."

Carbon Neutral Progress Reporting

3.1 Carbon Neutral Progress Reporting

Emissions/Offsets	Tonnes CO2e
Annual corporate emissions using SMARTTool or equivalent inventory tool	2108.72
<i>Emissions from services delivered directly by the local government</i>	2,108.72
<i>Emissions from contracted services</i>	0
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>	2,109
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>	0
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	

3.3 Offset Provider Information

Question	Please Identify the name(s) of your offset provider(s) (Please answer below):
Answer	ERA Ecosystem Restoration Associates

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	Yes

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	NA