

Climate Action Revenue Incentive Plan (CARIP) Public Report

Climate Action Revenue Incentive (CARIP) Public Report for YEAR

Village of Belcarra

GVRD

Reported by

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General Information

Name of Local Government	<i>Village of Belcarra</i>
Member of Regional District (RD)	<i>GVRD</i>
Regional Growth Strategy (RGS) in region	<i>Yes</i>
Population	<i>696</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	

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	By 2020: 33% - buildings 16.5% - transportation By 2050: 80% - buildings 40% - transportation

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.
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Answer	No
Additional Information	N/A

1.3 Reduce

Supportive Community-Wide Actions

Action Type	Broad Planning (e.g. creation/revision of OCPs, CEPs, transportation plans)
Actions Taken this Year	<i>2012-2014 Corporate Plan includes strategies and initiatives that would support community-wide actions.</i>
Proposed Actions for Next Year	<i>2012-2014 Corporate Plan includes strategies and initiatives that would support community-wide actions.</i>

Action Type	Building and Lighting (e.g. developed green building policy, increased density in the downtown)
Actions Taken this Year	<i>No. Belcarra is 100% residential community, with 1 street light only.</i>
Proposed Actions for Next Year	<i>No. Belcarra is 100% residential community, with 1 street light only.</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>Belcarra only has one civic building.</i>
Proposed Actions for Next Year	<i>Belcarra only has one civic building.</i>

Action Type	Green Space (e.g. developed urban forestry policy, adopted park acquisition policy)
Actions Taken this Year	<i>No. Belcarra is 100% residential community.</i>

Proposed Actions for Next Year	No. Belcarra is 100% residential community.

Action Type	Transportation (e.g. developed sustainable transportation plan, completed bicycle master plan)
Actions Taken this Year	No. Road widths are narrow and cannot accommodate dedicated bicycle lanes.
Proposed Actions for Next Year	No. Road widths are narrow and cannot accommodate dedicated bicycle lanes.

Action Type	Waste (e.g. introduced composting and recycling education programs)
Actions Taken this Year	Promote education and awareness communication
Proposed Actions for Next Year	Analyze operating requirements to implement organics management

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	Installed water meters per requirement to connect to new municipal water system.
Proposed Actions for Next Year	Install water meters per requirement to connect to new municipal water system.

Action Type	Other Actions
Actions Taken this Year	

Proposed Actions for Next Year	
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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 in 2012. Belcarra's OCP does not have development permit areas given its essentially 100% residential character with minimal vacant lots available for new development.</i>
Proposed Actions for Next Year	<i>None at this time</i>

Action Type	Energy Generation (e.g. implement district energy, geothermal, solar)
Actions Taken this Year	<i>No actions taken.</i>
Proposed Actions for Next Year	<i>No actions proposed.</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>Improved some older trails to encourage pedestrian use.</i>
Proposed Actions for Next Year	<i>Clear vegetation and add markers for multi-model trail system</i>

Action Type	Waste (e.g. introduce composting and recycling programs)
Actions Taken this Year	<i>Research Metro Vancouver requirements for organics waste management</i>
Proposed Actions for Next Year	<i>Analyze operating requirements to implement organics management</i>

Next Year	
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Action Type	Water/Sewer (e.g. implement water conservation and reduction initiatives)
Actions Taken this Year	<i>Installed water meters per requirement to connect to new municipal water system.</i>
Proposed Actions for Next Year	<i>Continue to install water meters per requirement to connect to new municipal water system.</i>

Action Type	Green Space (e.g. plant trees, conserve forest etc.)
Actions Taken this Year	<i>The Village has an existing significant treed and forested geographical character.</i>
Proposed Actions for Next Year	<i>The Village has an existing significant treed and forested geographical character.</i>

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

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	

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 identified related to energy and fuel data and calculated GHG emissions from energy use)?
Answer	<i>Corporate assets identified related to energy and fuel data Calculated GHG emissions from energy use</i>

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

2.2 Reduce

Supportive Corporate Actions

Action Type	Broad Planning (e.g. <i>developed corporate climate action plan</i>)
Actions Taken this Year	<i>Determine the Village of Belcarra's carbon footprint and develop GHG reduction plan</i>
Proposed Actions for Next Year	<i>Implement GHG reduction options</i>

Action Type	<i>Building and Lighting (e.g. developed energy reduction plan for all corporate buildings)</i>
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Actions Taken this Year	Only one corporate building in Belcarra. Energy efficient lighting previously installed in 2010-2011.
Proposed Actions for Next Year	Only one corporate building in Belcarra.

Action Type	Energy Generation (e.g. undertook feasibility study of green energy generation for civic buildings)
Actions Taken this Year	Other than the Municipal Hall and Public Works yard, there are no civic buildings in Belcarra
Proposed Actions for Next Year	

Action Type	Transportation (e.g. created anti-idling policy for city vehicles, bike to work week promotion)
Actions Taken this Year	Supported bike to work week promotion.
Proposed Actions for Next Year	

Action Type	Waste(e.g. completed waste audit of City Hall)
Actions Taken this Year	Review and improve recycle facility signage and customer information
Proposed Actions for Next Year	Analyze operating requirements to implement organics management

Action Type	Water/Sewer (e.g. completed study of sewer and water energy use)
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Actions Taken this Year	Installed <i>water meters per requirement to connect to new municipal water system.</i> <i>No municipal sewer system in Belcarra.</i>
Proposed Actions for Next Year	Continue to <i>install water meters per requirement to connect to new municipal water system.</i> <i>No municipal sewer system in Belcarra.</i>

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

Direct Corporate Actions

Action Type	Building and Lighting (e.g. energy efficiency retrofits to municipal buildings)
Actions Taken this Year	<i>Compile data and develop inventory</i>
Proposed Actions for Next Year	<i>Prepare report on corporate initiatives Develop corporate plan for GHG emissions management and energy use Identify options to implement for GHG reduction</i>

Action Type	Energy Generation (e.g. implemented heat recovery systems, solar)
Actions Taken this Year	<i>Not applicable</i>
Proposed Actions for Next Year	

Action Type	Fleet (e.g. anti-idling policies for fleet vehicles, purchasing of hybrid)
Actions Taken this Year	<i>Purchased RTV for municipal utility purposes to reduce use of municipal truck for routine maintenance</i>
Proposed Actions for Next Year	

Action Type	Waste (e.g. introduction of composting and recycling programs and education)
Actions Taken this Year	<i>Research Metro Vancouver requirements for organics waste management Promote education and awareness communication</i>
Proposed Actions for Next Year	<i>Research options for organics management</i>

Next Year	<i>Upgrade site security Continued education and awareness</i>
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Action Type	Water/Sewer (e.g. initiated water conservation and reduction initiatives)
Actions Taken this Year	<i>Installed water meters per requirement to connect to new municipal water system. No municipal sewer system in Belcarra.</i>
Proposed Actions for Next Year	<i>Continue to install water meters per requirement to connect to new municipal water system. No municipal sewer system in Belcarra.</i>

Action Type	Green Space (e.g. planting of trees)
Actions Taken this Year	<i>Develop an on-going working relationship with the Invasive Plant Council of Metro Vancouver (IPCMV) by direct communication Consult with IPCMV for recommended priorities and strategies.</i>
Proposed Actions for Next Year	<i>Liaise with neighbouring communities to cost-share opportunities for staff-training and public workshops Implement recommendations of the IPCMV</i>

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

2.3 Corporate Innovations

Question	
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	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	21
<i>Emissions from services delivered directly by the local government</i>	17.4
<i>Emissions from contracted services</i>	3.6
	0
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>	
<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>	
	0
Less:	
Offsets purchased for this reporting year (Option 3). Please identify your offset provider in the offset provider information section below.	
	21
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	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>
Answer	

Offset Provider	
We have already purchased	
Or, will purchase by June 1, 2013	