

Climate Action Revenue Incentive Program (CARIP) Public Report

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Public Report for YEAR 2013

City of Enderby

Regional District of North Okanagan



Report Submitted by

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General Information

Name of Local Government	City of Enderby
Member of Regional District (RD)	Regional District of North Okanagan
Regional Growth Strategy (RGS) in region	Yes
Population	2,932

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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	Engaged a consultant to complete the inventory. Report completed and presented to Council April 2010. Carbon Action Initiatives Report for 2010 presented to Council in early 2011.

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	The Regional Growth Strategy, adopted in September 2011, has set GHG emission reduction targets at 15% by 2020 and 25% by 2030. The City of Enderby set community-wide GHG reduction targets of 7% from 2007 levels by 2020 and 13% by 2030 per an OCP amendment adopted August 15, 2011.

1.3 Reduce

Supportive Community Wide Actions

Action Type	Broad Planning
Actions Taken this Year	"Completed the City of Enderby Integrated Community Sustainability Plan (ICSP), which frames the sustainability objectives and priorities for the community which include sustainable modes of transportation, public transit solutions, pedestrian oriented environments, and complete compact neighbourhoods/communities.

	<p>Continued the Knoll Neighbourhood Planning process which involves developing a land use and servicing concept for the City's future growth area of the Knoll; this planning process addresses building storm, sewer, and road standards, district energy, compact mixed-use neighbourhoods and multi-use paths within the neighbourhood.</p> <p>Initiated an Active Transportation Planning process in partnership with the Splatstin Band, Interior Health Authority, and the Shuswap Trail Alliance. The purpose of the planning process was to consult with the community to identify how opportunities for walking, cycling, and public transit could be built upon and strengthened in order to promote health and reduce carbon emissions.</p> <p>Began to integrate the outcomes of the City of Enderby Integrated Community Sustainability Plan (ICSP) into the City's Official Community Plan.</p> <p>Completed an Infill & Redevelopment analysis which included 8 recommendations related to infill and redevelopment within the community; infill and redevelopment are strongly linked to Smart Growth development."</p>
<p>Proposed Actions for Next Year</p>	<p>"Adopt the Knoll Neighbourhood Plan..</p> <p>Continue to implement the ICSP by integrating the outcomes of the planning process into the City's policy and regulatory framework including the Official Community Plan, DCC Bylaw, Zoning Bylaw, Subdivision Servicing Bylaw and other pertinent plans such as the Climate Action and Sustainability Plan and the Water Conservation Plan.</p> <p>Complete the City's Regional Context Statements which align the City's Official Community Plan with the North Okanagan Regional Growth Strategy.</p> <p>Integrate the Infill & Redevelopment recommendations into the City's Official Community Plan and Zoning Bylaw."</p>

Action Type	Building and Lighting
<p>Actions Taken this Year</p>	<p>"Adopted the ICSP which addresses the need for energy and water conservation through building and lighting.</p> <p>Continued the Knoll Neighbourhood Planning process which looks to achieve sustainability objectives through increased density and alternative approaches to building design."</p>
<p>Proposed Actions for Next Year</p>	<p>"Adopt the Knoll Neighbourhood Plan.</p>

Develop housing related Regional Context Statements for the City's Official Community Plan.

Integrate the outcomes of the Knoll Neighbourhood and ICSP processes, which include sustainability strategies for building and lighting, into the City's broader policy framework."

Action Type	Energy Generation
<p>Actions Taken this Year</p>	<p>"Continued the Knoll Neighbourhood Planning process which looks to integrate or encourage the use of district energy systems in the City's future growth area of the Knoll, coupled with agricultural tree farms for fuel supply.</p> <p>Adopted the ICSP which identified the need for renewable energy production."</p>
<p>Proposed Actions for Next Year</p>	<p>"Adopt the Knoll Neighbourhood Plan</p> <p>Integrate the outcomes of the Knoll Neighbourhood and ICSP processes, which include sustainability strategies for energy generation, into the City's broad policy and regulatory framework.</p> <p>Explore opportunities for adding customers onto the district heating system located in the City of Enderby Public Works yard."</p>

Action Type	Green Space
<p>Actions Taken this Year</p>	<p>"Adopted the ICSP which addresses the need for increased green space throughout the community.</p> <p>Continued the Knoll Neighbourhood Planning process which looks to achieve sustainability through an increase in open space and natural areas within future development of the Knoll.</p> <p>Initiated an Active Transportation planning process in partnership with the Splat'sin Band, Interior Health Authority, and the Shuswap Trail Alliance. This planning process looks to promote natural trails, which are a form of green space, throughout the community. "</p>
<p>Proposed Actions for Next Year</p>	<p>"Adopt the Knoll Neighbourhood Plan.</p> <p>Integrate the outcomes of the Knoll Neighbourhood and ICSP processes, which include</p>

sustainability strategies for increases green space, into the City's broad policy and regulatory framework.

Adopt the Active Transportation Plan which identifies strategies for promoting natural trails which are a form of green space."

Action Type	Transportation
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Actions Taken this Year	"Adopted the ICSP which addresses the need for alternative and active transportation options throughout the community.
	Continued the Knoll Neighbourhood Planning process which looks to achieve sustainability objectives by facilitating alternative modes of transportation within the City's future growth area of the Knoll.
	Initiated an Active Transportation Planning process in partnership with the Splotsin Band, Interior Health Authority, and the Shuswap Trail Alliance. The purpose of the planning process was to consult with the community to identify how opportunities for walking, cycling, and public transit could be built upon and strengthened in order to promote health and reduce carbon emissions."

Proposed Actions for Next Year	"Adopt the Knoll Neighbourhood Plan.
	Adopt the Active Transportation Plan.
	Integrate the outcomes of the Knoll Neighbourhood and ICSP processes, which include sustainability related to reducing automobile use and promoting active and alternative transportation, into the City's broad policy and regulatory framework."

Action Type	Waste
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Actions Taken this Year	"Adopted the ICSP which addresses the need for sustainable waste management throughout the community.
	Continued to explore the viability of accepting the community's wood waste on-site at the Public Works Yard to be chipped and utilized as fuel for biofuel boiler, which diverts waste from landfill and helps to reduce pollutants related to burning wood waste."

Proposed Actions for	Continue to explore the viability of accepting the community's wood waste on-site at the
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Next Year	Public Works Yard to be chipped and utilized as fuel for biofuel boiler, which diverts waste from landfill and helps to reduce pollutants related to burning wood waste.
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Action Type	Water/Sewer
Actions Taken this Year	<p>"Initiated an Educational Awareness Campaign for the students of MV Beattie Elementary School related to drinking water.</p> <p>Adopted the ICSP, which integrated the Water Conservation Plan and provided a framework for continued community-wide water conservation.</p> <p>Continued the Knoll Neighbourhood Planning process which looked to promote water conservation within both building and neighbourhood design."</p>
Proposed Actions for Next Year	<p>"Adopt the Knoll Neighbourhood Plan.</p> <p>Integrate the outcomes of the Knoll Neighbourhood and ICSP processes, which include sustainability strategies related to water conservation, into the City's broad policy and regulatory framework."</p>

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

Direct Community Wide Actions

Action Type	Buildings
Actions Taken this Year	Installed water meters on all residential, commercial, industrial and civic buildings to promote water conservation and increase capacity within existing municipal infrastructure.
Proposed Actions for Next Year	Apply the City's sustainable development framework, which was informed by the ICSP and the Knoll Neighbourhood Plan, to future development.

Action Type	Energy Generation
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<p>Actions Taken this Year</p>	<p>"Members of Council participated in a panel presentaiton at UBCM to gather awareness related to the multiple district heating systems within Enderby.</p> <p>Provided an easement across municipal property to a district energy provider which enabled expansion of services into other areas of the community."</p>
<p>Proposed Actions for Next Year</p>	<p>Explore implementation of district energy solutions within the Knoll Neighbourhood and throughout the rest of the community as is practicable.</p>

Action Type	Transportation
<p>Actions Taken this Year</p>	<p>Designed and built a multi-use pathway through the MV Beattie Elementary School field in order to achieve connectivity objectives identified through the ICSP. Project was in partnership with School District 83 and the Shuswap Trail Alliance.</p>
<p>Proposed Actions for Next Year</p>	<p>"Implement the high-priority strategies identified through the Active Transportation Planning process.</p> <p>Explore expansion of the City's trail network into the Knoll Neighbourhood which will enhance connectivity throughout the community.</p> <p>Install bicylce racks at key locations throughout the communtiy to promote cycling as a form of transportatin"</p>

Action Type	Waste
<p>Actions Taken this Year</p>	<p>"Continued residential recycling and spring chipping programs which divert waste from landfill.</p> <p>Held the first annual Our Enderby Clean-Up Challenge which saw residents volunteer their time to clean up waste throughout the community."</p>
<p>Proposed Actions for Next Year</p>	<p>"Continue the annual Our Enderby Clean Up Challenge.</p> <p>Continue residential recycling and spring chipping programs.</p>

Installed refurbished recycling bins at key locations throughout the community."

Action Type Water/Sewer

Actions Taken this Year

"Held an open house of the City's Wastewater and Drinking Water facilities which educated the community on the processes related to how drinking water reaches their taps and is then treated before being discharged into the Shuswap River.

Completed the third and final phase of the Universal Water Metering Program."

Proposed Actions for Next Year

Apply for grant funding through BC Waste Water Association for Drinking Water Week 2014.

Action Type Green Space

Actions Taken this Year

Applied for a grant through Tree Canada to cover the costs related to planting approximately 15 trees within a residential neighbourhood which will help to reduce green house gases.

Proposed Actions for Next Year

"Implement the high-priority natural trail projects identified through the Active Transportation Planning process, which will increase green space throughout the community.

Continue to apply for grant funding for purchasing trees.
"

Action Type Other Actions

Actions Taken this Year

"Resurfaced the Lions Gazebo Playground with recycled BC Rubber; recycled rubber has a smaller carbon footprint as opposed to manufacturing non-recycled rubber.

Initiated a Shop Local Initiative which provided an incentive for residents to shop locally as local products do not require large amounts of fossil fuels to be consumed for transportation purposes."

Proposed Actions for Next Year

Continue to encourage or incentivize residents to shop locally.

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

Adopted an Integrated Community Sustainability Plan (ICSP) which frames the environmental, social, and economic objectives and priorities of Enderby residents. These objectives and priorities have begun to be implemented through the City's Revitalization Committee and they have begun to be integrated into the City's broad policy and regulatory framework through updates to the Official Community Plan, DCC Bylaw, Zoning Bylaw, Subdivision Servicing Bylaw and other pertinent plans such as the Climate Action and Sustainability Plan and the Water Conservation Plan. The ICSP also provides direction to the development of the Knoll Neighbourhood Plan which will identify a sustainable land use and servicing concept for the City's future growth area of the Knoll.

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	Engaged a consultant to complete the baseline inventory in 2010. Report completed and presented to Council.

Question	What tool are you using to measure, track and report on your corporate emissions?
Answer	"Spreadsheets are used to track emissions. Calculations are in accordance with the 2012 B.C. Best Practices Methodology for Quantifying Greenhouse Gas Emissions."

2.2 Reduce

Supportive Corporate Actions

Action Type	Broad Planning
Actions Taken this Year	Adopted the Integrated Community Sustainability Plan (ICSP) which identifies issues, challenges, opportunities, and constraints related to environmental, social, and economic sustainability; this information can be utilized to help reduce corporate emissions.
Proposed Actions for Next Year	"Implement outcomes of the ICSP which relate to corporate emission reduction. Develop a corporate emission reduction strategies within the Climate Action and Sustainability Plan."

Action Type	Building and Lighting
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Actions Taken this Year	
Proposed Actions for Next Year	Explore heating additional municipal buildings through district heating systems.

Action Type Energy Generation

Actions Taken this Year	Explored on-site chipping of local wood waste which could then be used as fuel to heat municipal buildings such as the Public Works building and dog pound.
Proposed Actions for Next Year	Continue to explore on-site chipping of local wood waste which could then be used as fuel to heat municipal buildings such as the Public Works building and dog pound.

Action Type Transportation

Actions Taken this Year	
Proposed Actions for Next Year	

Action Type Water/Sewer

Actions Taken this Year	Identified all municipal water fixtures that needed to be replaced with low flow fixtures.
Proposed Actions for Next Year	Continue to identify opportunities to replace fixtures in municipal buildings with low-low fixtures.

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	
Proposed Actions for Next Year	

Action Type	Energy Generation
Actions Taken this Year	Installed a district energy system at Public Works yard to provide renewable energy to Public Works building, dog pound, and municipal sludge drying beds.
Proposed Actions for Next Year	

Action Type	Fleet
Actions Taken this Year	Continue to maintain anti-idling policy for fleet. Continue to use "proximity of service location" on vehicle tender scoring matrices.
Proposed Actions for Next Year	"Continue to maintain anti-idling policy for fleet. Continue to use ""proximity of service location"" on vehicle tender scoring matrices. Incorporate triple bottom line sustainability analysis into Purchasing Policy."

Action Type	Waste
Actions Taken this Year	"Registered a TASSIMO Brigade to sustainably recycle used Tassimo coffee inserts. Continue to recycle paper, aluminum and glass."
Proposed Actions for Next Year	

Action Type	Water/Sewer

Actions Taken this Year	"Posted water conservation signs at City Hall. Replaced all out-dated water fixtures in municipal buildings with low flow fixtures."
Proposed Actions for Next Year	

Action Type	Green Space
Actions Taken this Year	Applied for a grant through Tree Canada to cover the costs related to planting approximately 15 trees within a municipal park which will help to reduce green house gases.
Proposed Actions for Next Year	Continue to apply for grant funding for the purchasing of trees.

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	Installed a district energy system at Public Works yard to provide renewable energy to the City's Public Works building, dog pound, and sludge drying beds. The City will continue to explore chipping local wood waste to be used as a fuel to provide renewable heat to municipal buildings.

Carbon Neutral Progress Reporting

3.1 Carbon Neutral Progress Reporting

Emissions/Offsets	Tonnes CO2e
Annual corporate emissions using SMARTTool or equivalent inventory tool	218
<i>Emissions from services delivered directly by the local government</i>	218
<i>Emissions from contracted services</i>	
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>	
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>	218
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	In addition to the Community Wide and Corporate Actions previously identified that will be undertaken in 2014, the City will also be looking into other projects available to reduce

greenhouse gas emissions in future years and different offsetting/balancing options that would best benefit the community.

3.3 Offset Provider Information

Question	Please Identify the name(s) of your offset provider(s) (Please answer below):
Answer	N/A

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	N/A

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	In addition to the Community Wide and Corporate Actions previously identified that will be undertaken in 2014, the City will also be looking into other projects available to reduce greenhouse gas emissions in future years and different offsetting/balancing options that would best benefit the community.