

Climate Action Revenue Incentive Plan (CARIP) Public Report

Climate Action Revenue Incentive (CARIP) Public Report for 2012

City of Enderby

Regional District of North

Okanagan

Reported by

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General Information

Name of Local Government

Member of Regional District (RD)

Regional Growth Strategy (RGS) in region

Population

City of Enderby

*Regional District of North
Okanagan*

Yes

2932

Community-Wide Actions for 2012

1.1 Measure

Community-Wide Measurement Actions

Question	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?
Answer	Yes
Additional Information	Engaged a consultant to complete <i>the inventory</i> . <i>Report completed and presented to Council April 2010. Carbon Action Initiatives Report for 2010 presented to Council in early 2011.</i>

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</i> (LGA)? If yes, please identify the targets set. If no or in progress, please comment.
Answer	Yes
Additional Information	<i>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.</i>

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</i> (LGA)? If yes, please identify the targets set. If no or in progress, please comment.
Answer	

Additional Information	

1.3 Reduce

Supportive Community-Wide Actions

Action Type	Broad Planning (e.g. creation/revision of OCPs, CEPs, transportation plans)
Actions Taken this Year	<p><i>Completed the majority of the Integrated Community Sustainability Plan (ICSP), which prioritizes the need for alternative and sustainable modes of transportation, public transit solutions, pedestrian oriented environments, and complete compact neighbourhoods/communities.</i></p> <p><i>Commenced Knoll Neighbourhood Plan, which addresses building, storm, sewer, and road standards, district energy, compact mixed-use neighbourhoods and multi-use paths within the neighbourhood.</i></p>
Proposed Actions for Next Year	<p><i>Complete ICSP and begin updating the City's policy 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.</i></p> <p><i>Complete Knoll Neighbourhood Plan.</i></p> <p><i>Complete Regional Context Statements for Regional Growth Strategy.</i></p>

Action Type	Building and Lighting (e.g. developed green building policy, increased density in the downtown)
Actions Taken this Year	<p><i>Completed the majority of the ICSP which addresses opportunities for energy and water conservation through building and lighting.</i></p> <p><i>Commenced the Knoll Neighbourhood Plan which will achieve sustainability objectives through alternative approaches to building and lighting.</i></p>
Proposed Actions for Next Year	<p><i>Complete housing-related Regional Context Statements for Regional Growth Strategy.</i></p> <p><i>Integrate the outcomes of the Knoll Neighbourhood and Integrated Community Sustainability Planning processes, which include sustainability guidelines for building and lighting, into the City's broader policy framework.</i></p>

Action Type	Energy Generation (e.g. signed on to provincial 'solar ready' regulation, explored options for bioheating for buildings)
Actions Taken this Year	<p><i>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, reduces transportation costs, and helps to reduce pollutants related to burning wood waste.</i></p> <p><i>Completed the majority of the ICSP which identified the need for renewable energy production.</i></p> <p><i>Commenced the Knoll Neighbourhood Plan which aims to integrate a low emission district heating system into Enderby's future growth area..</i></p>
Proposed Actions for Next Year	<p><i>Continue 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, reduces transportation costs, and helps to reduce pollutants related to burning wood waste.</i></p> <p><i>Explore using agricultural tree farms as a renewable fuel supply for district energy systems.</i></p> <p><i>Explore use of district energy solutions throughout the community, including future growth areas.</i></p> <p><i>Integrate energy generation related ICSP recommendations into the City's broader policy framework.</i></p>

Action Type	Green Space (e.g. developed urban forestry policy, adopted park acquisition policy)
Actions Taken this Year	<p><i>Integrated Master Parks Plan into ICSP.</i></p> <p><i>Completed majority of ICSP which addresses the need for clustered development to increase green space.</i></p> <p><i>Commenced Knoll Neighbourhood Plan which utilizes Smart Growth principles to promote clustered development and preserve green space.</i></p>
Proposed Actions for Next Year	<p><i>Complete open space / natural area related Regional Context Statements for Regional Growth Strategy.</i></p> <p><i>Integrate the outcomes of the Knoll Neighbourhood and Integrated Community</i></p>

	<i>Sustainability Planning processes, which include sustainability guidelines for green space, into the City's broader policy framework.</i>
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Action Type	Transportation (e.g. developed sustainable transportation plan, completed bicycle master plan)
Actions Taken this Year	<p><i>Completed the majority of the Integrated Community Sustainability Plan, which prioritizes alternative and sustainable modes of transportation, lowering community dependence on the automobile, and encouraging public transit solutions.</i></p> <p><i>Commenced the Knoll Neighbourhood Plan which integrates public transit and multi-use pathways with the City's trail network to provide alternative, sustainable transportation options.</i></p>
Proposed Actions for Next Year	<i>Integrate transportation-related ICSP recommendations into the City's broader policy framework.</i>

Action Type	Waste (e.g. introduced composting and recycling education programs)
Actions Taken this Year	<p><i>Explored 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.</i></p> <p><i>Completed majority of the ICSP which addresses issues, challenges, opportunities and constraints related to waste management.</i></p>
Proposed Actions for Next Year	<p><i>Continue 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.</i></p> <p><i>Integrate waste reduction/diversion-related ICSP recommendations into the City's broader policy framework.</i></p>

Action Type	Water/Sewer (e.g. participated in water smart initiatives, implemented Water Action Plan, introduced rebates on low flush toilets)
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Actions Taken this Year	<p>Updated Water Conservation Plan.</p> <p><i>Completed the majority of the ICSP, which integrated the Water Conservation Plan and provided a framework for continued community-wide water conservation.</i></p> <p><i>Commenced Asset Management Investment Plan which will take a more sustainable approach to water and sewer infrastructure.</i></p> <p><i>Commenced Knoll Neighbourhood Plan which aims to meet pre-development flows by achieving full storm water retention with controlled release.</i></p>
Proposed Actions for Next Year	<p>Integrate water conservation-related ICSP recommendations into the City's broader policy framework.</p>

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

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

Action Type	Energy Generation (e.g. implement district energy, geothermal, solar)
Actions Taken this Year	<i>Provided easement through Barnes Park for Fink Machine's district energy system.</i>
Proposed Actions for Next Year	<i>Explore implementation of district energy solutions within the Knoll Neighbourhood and throughout the rest of the community as is practicable.</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>Designed and built trail connecting Birch Crescent to Norleen Lane, which is a significant link between a major residential area and the elementary school and downtown core.</i> <i>Implemented the Seniors Housing and Support Initiative grant for the construction of a community garden at the Enderby Memorial Terrace, which reduced GHG emissions associated with the transportation of food products.</i>
Proposed Actions for Next Year	<i>Explore implementation of trail system through the elementary school grounds, which will provide connectivity for pedestrians from the western residential areas to the highway corridor.</i> <i>Explore expansion of the City's trail network into the Knoll Neighbourhood which will enhance connectivity throughout the community.</i>

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Action Type	Waste (e.g. introduce composting and recycling programs)
Actions Taken this Year	<i>Continued residential recycling and spring chipping programs which divert waste from landfill.</i>
Proposed Actions for Next Year	<i>Begin chipping program on-site at Public Works yard, which will accept wood waste from the community and divert it from the landfill.</i> <i>Continue residential recycling and spring chipping programs.</i>

Action Type	Water/Sewer (e.g. implement water conservation and reduction initiatives)
Actions Taken this Year	<i>Implemented Water Conservation program, including completion of Phase 2 of water metering program and a robust leak detection initiative.</i> <i>Applied for funding under the Community Grants Program to further education and awareness related to water resources during Drinking Water Week in May of 2013, which was identified as a key strategy within the City's Water Conservation Plan and ICSP.</i>
Proposed Actions for Next Year	<i>Complete the third and final phase of the water metering program. Continue with mandatory water conservation measures such as sprinkling regulations.</i>

Action Type	Green Space (e.g. plant trees, conserve forest etc.)
Actions Taken this Year	<i>Continue to implement Master Parks Plan objectives related to protection and enhancement of park land.</i>
Proposed Actions for Next Year	<i>Continue to implement Master Parks Plan objectives related to protection and enhancement of park land.</i>

Action Type	
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	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	<i>Developed a neighbourhood plan that attains triple bottom line sustainability while being attractive to the development community.</i>

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>Engaged a consultant to complete the baseline inventory in 2010. Report completed and presented to Council.</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	<i>Spreadsheets are used to track emissions.</i> <i>Calculations are in accordance with the 2012 B.C. Best Practices Methodology for Quantifying Greenhouse Gas Emissions.</i>

2.2 Reduce

Supportive Corporate Actions

Action Type	Broad Planning (e.g. developed corporate climate action plan)
Actions Taken this Year	<i>Continued implementation of the Climate Action Sustainability Plan.</i>
Proposed Actions for Next Year	<i>Continued implementation of the Climate Action Sustainability Plan.</i>

Action Type	Building and Lighting (e.g. developed energy reduction plan for all corporate buildings)
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Actions Taken this Year	
Proposed Actions for Next Year	

Action Type	Energy Generation (e.g. <i>undertook feasibility study of green energy generation for civic buildings</i>)
Actions Taken this Year	
Proposed Actions for Next Year	Explore <i>on-site generation of fuel for biofuel boiler at Public Works Yard.</i>

Action Type	Transportation (e.g. created <i>anti-idling policy for city vehicles, bike to work week promotion</i>)
Actions Taken this Year	Added "<i>proximity of service location</i>" to vehicle tender scoring matrix, as this results in a significant reduction in transportation of vehicles for repair.
Proposed Actions for Next Year	

Action Type	Waste(e.g. completed waste <i>audit of City Hall</i>)
Actions Taken this Year	
Proposed Actions for Next Year	

Action Type	Water/Sewer (e.g. completed study of sewer and water energy use)
Actions Taken this Year	

Proposed Actions for Next Year	
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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>Installed water meters in civic buildings to promote water conservation.</i>
Proposed Actions for Next Year	

Action Type	Energy Generation (e.g. implemented heat recovery systems, solar)
Actions Taken this Year	<i>Implementation of biofuel boiler for heating Public Works shop and office, wastewater treatment buildings, and dog pound. Participate in biofuel boiler district energy system for public pool.</i>
Proposed Actions for Next Year	<i>Utilize biofuel boiler for heating Public Works shop and office, wastewater treatment buildings, and dog pound. Continue to participate in biofuel boiler district energy system for public pool.</i>

Action Type	Fleet (e.g. anti-idling policies for fleet vehicles, purchasing of hybrid)
Actions Taken this Year	<i>Continue to maintain anti-idling policy for fleet. Continue to use "proximity of service location" on vehicle tender scoring matrices.</i>
Proposed Actions for Next Year	<i>Continue to maintain anti-idling policy for fleet. Continue to use "proximity of service location" on vehicle tender scoring matrices.</i> <i>Incorporate triple bottom line sustainability analysis into Purchasing Policy.</i>

Action Type	Waste (e.g. introduction of composting and recycling programs and education)
Actions Taken this Year	<i>Continue to recycle paper, aluminum, and glass.</i>

Proposed Actions for Next Year	<i>Continue to recycle paper, aluminum, and glass.</i>
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Action Type	Water/Sewer (e.g. initiated water conservation and reduction initiatives)
Actions Taken this Year	<p><i>Posted water conservation signs in City Hall.</i></p> <p><i>Sludge waste agreement with Curtis Farms and approved by Ministry of Environment enables efficient use of sludge as soil nutrition.</i></p> <p><i>Install bio-energy system at public works yard which provides heat to sludge drying beds which in turn reduces GHG emissions associated with the transportation of sludge to the landfill.</i></p> <p><i>Install water meters in civic buildings to promote water conservation.</i></p>
Proposed Actions for Next Year	<i>Install automatic shower shut-off mechanisms in public pool shower areas.</i>

Action Type	Green Space (e.g. planting of trees)
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 Innovations

Question	Is there any activity that you have been engaged in over the past year(s) that you are
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	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 213

Emissions from services delivered directly by the local government 213

Emissions from contracted services

0

Less:

GHG reductions being claimed for this reporting year from Option 1 - GHG reduction project

Energy Efficient Building Retrofits and Fuel Switching

Solar Thermal

Household Organic Waste Composting

Low Emissions Vehicles

0

Less:

GHG reductions being claimed for this reporting year from Option 2 - GHG reduction projects

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)

Less:

Offsets purchased for this reporting year (Option 3). Please identify your offset provider in the offset provider information section below.

213

Balance of corporate emissions for this reporting year.

(If the corporate emissions balance is zero, your local government is carbon neutral for this reporting year)

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	213

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