

Climate Action Revenue Incentive Plan (CARIP) Public Report

Climate Action Revenue Incentive (CARIP) Public Report for YEAR

*Village of Lumby
Regional District of North
Okanagan*

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General Information

Name of Local Government	<i>Village of Lumby</i>
Member of Regional District (RD)	<i>Regional District of North Okanagan</i>
Regional Growth Strategy (RGS) in region	<i>Yes</i>
Population	<i>1731</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	Engaged BC Hydro and CEA (<i>Community Energy Association</i>) to facilitate a workshop with Council, staff and representatives from the Chamber of Commerce. Report adopted by Council October 15, 2012. Have also engaged a consultant (CEA) to prepare a Carbon Neutral Action Plan to reduce the Corporate Carbon footprint. Report presented to Council and adopted September 17, 2012.

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	Bill 27 compliance where we set GHG emission reduction targets and strategies incorporated into the OCP - October 17, 2011. This included guiding principles to reduce greenhouse gas emissions, promote energy efficiency and water conservation.

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	The RDNO does have targets in their RGS.

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>Revisions to OCP taken in 2011 to amend the OCP (Bylaw no. 721, 2011). Feasibility study on biomass district heating (wood waste to heat) through funding by SIBAC.</i>
Proposed Actions for Next Year	<i>Finalization of the Biomass Feasibility study. Complete Regional Context Statements for Regional Growth Strategy.</i>

Action Type	Building and Lighting (e.g. developed green building policy, increased density in the downtown)
Actions Taken this Year	<i>Adopted Community Energy & Emissions Plan October 12, 2012. Updated our zoning bylaw to allow for basement suites / increased density, laying hens, etc.</i>
Proposed Actions for Next Year	<i>Incorporate both the CEEP and Carbon Neutral Action Plan strategies in the 2013 budget process. Complete housing related initiatives in the Regional Context Statements for RGS.</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>Waiting for another intake of the 'solar ready' regulation. Investigating biomass district heating feasibility study (wood waste to heat)</i>
Proposed Actions for Next Year	<i>Waiting for another intake of the 'solar ready' regulation. Investigate outcomes of the Biomass district energy feasibility study. Investigate opportunities when the Regional Context Statement for the RGS occurs.</i>

Action Type	Green Space (e.g. developed urban forestry policy, adopted park acquisition policy)
Actions Taken this Year	<i>Acquired a new park - Council strategy to add more green space when feasible. Entered into a lease with a brownfield site to turn it into a greenspace. Expand trail network and maximize connectivity.</i>
Proposed Actions for Next Year	<i>Expand trail network and maximize connectivity. Investigate opportunities from the Regional Context Statement development in the RGS.</i>

Action Type	Transportation (e.g. developed sustainable transportation plan, completed bicycle master plan)
Actions Taken this Year	<i>Generated a sidewalk rehabilitation plan for Council consideration. Continue trail connectivity awareness through partnerships with key stakeholders.</i>
Proposed Actions for Next Year	<i>Continue on with 2012 plan where budget and resources allow. Apply for grants when available.</i>

Action Type	Waste (e.g. introduced composting and recycling education programs)
Actions Taken this Year	<i>Member of the Regional District SWMP and participate in setting goals, objectives and targets to reduce waste being landfilled.</i>
Proposed Actions for Next Year	<i>Member of the Regional District SWMP and participate in setting goals, objectives and targets to reduce waste being landfilled.</i>

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	<i>Implemented universal water meter program in 2009 - fully implemented 2011. Started Phase 1 of our LWMP (Liquid Waste Management Plan)</i>

Proposed Actions for Next Year	Implemented <i>universal water meter program in 2009 - fully implemented 2011. Continual rate review to encourage water conservation. We are currently in Phase 1 of our LWMP (Liquid Waste Management Plan)</i>

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>Universal water meters installed in the municipality to promote water conservation.</i>
Proposed Actions for Next Year	<i>Investigate incorporating the two new documents (CEEP and Carbon Neutral Action Plan) along with the new zoning bylaw, into future development opportunities.</i>

Action Type	Energy Generation (e.g. implement district energy, geothermal, solar)
Actions Taken this Year	<i>Investigating Biomass district heating system through a feasibility study by SIBAC</i>
Proposed Actions for Next Year	<i>Continue investigating Biomass district heating system through a feasibility study by SIBAC. Report expected in spring 2013. Implement if feasible. Investigate alternative heating sources (solar power) for our outdoor pool.</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>Trail connectivity investigated with the Salmon Trail and our existing sidewalks and related infrastructure.</i>
Proposed Actions for Next Year	<i>Continue investigating trail connectivity with the Salmon Trail and our existing sidewalks and related infrastructure. Explore expansion where feasible. Confirm statutory right of ways on the already established trail system that is on private lands.</i>

Action Type	Waste (e.g. introduce composting and recycling programs)
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Actions Taken this Year	Participate in the Regions aggressive waste reduction targets. Perform annual wood chipping, leave collection / composting programs / backyard composters, etc.
Proposed Actions for Next Year	Participate in the Regions aggressive waste reduction targets. Perform annual wood chipping, leave collection / composting programs / backyard composters, etc.

Action Type	Water/Sewer (e.g. implement water conservation and reduction initiatives)
Actions Taken this Year	Implemented water conservation plan which is communicated to all residents quarterly by the Lumby Matters Newsletter.
Proposed Actions for Next Year	Implemented water conservation plan which is communicated to all residents quarterly by the Lumby Matters Newsletter. Water utility reviewed annually.

Action Type	Green Space (e.g. plant trees, conserve forest etc.)
Actions Taken this Year	Continue to implement the Whitevalley Parks Recreation and Culture Master Plan. Planted 20 new trees (funded by Tree Canada).
Proposed Actions for Next Year	Continue to implement the Whitevalley Parks Recreation and Culture Master Plan. Applied to Tree Canada to plant 30 new trees. Adopt a tree policy.

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>Engaged a consultant (Community Energy Association) to develop a Carbon Neutral Action Plan that was adopted by Council September 17, 2012. Adopted a Community Energy & Emissions Plan October 15, 2012. Investigating a Biomass district heating system feasibility.</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>Excel Spreadsheets are used to track emissions and all related data.</i>

2.2 Reduce

Supportive Corporate Actions

Action Type	Broad Planning (e.g. <i>developed corporate climate action plan</i>)
Actions Taken this Year	<i>Adopted a Carbon Neutral Action Plan September 17, 2012. Adopted a Community Energy & Emissions Plan October 15, 2012.</i>
Proposed Actions for Next Year	<i>Continued implementation of the Carbon Neutral Action Plan.</i>

Action Type	
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	Building and Lighting (e.g. developed energy reduction plan for all corporate buildings)
Actions Taken this Year	Awaiting another intake of the 'solar ready' regulation. Upgrades to our Arena (lighting and dehumidifier).
Proposed Actions for Next Year	Awaiting another intake of the 'solar ready' regulation. Upgrades to our Community Centre (new roof and internal lighting)

Action Type	Energy Generation (e.g. undertook feasibility study of green energy generation for civic buildings)
Actions Taken this Year	Started investigating a biomass district heating feasibility study.
Proposed Actions for Next Year	Continue investigating a biomass district heating feasibility study. Report expected in spring 2013. Implement if feasible.

Action Type	Transportation (e.g. created anti-idling policy for city vehicles, bike to work week promotion)
Actions Taken this Year	Already have an anti-idling policy. Continue raising its awareness through education.
Proposed Actions for Next Year	Already have an anti-idling policy. Continue raising its awareness through education.

Action Type	Waste(e.g. completed waste audit of City Hall)
Actions Taken this Year	Implemented recycling station in the lunch room.
Proposed Actions for Next Year	Continue efforts to reduce waste in corporate operations (education, awareness and best practices).

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Action Type	Water/Sewer (e.g. completed study of sewer and water energy use)
Actions Taken this Year	Stared <i>Phase 1 of our LWMP (Liquid Waste Management Plan).</i>
Proposed Actions for Next Year	<i>Continue with Phase 1 of our LWMP (Liquid Waste Management Plan). Expected to be complete in summer / fall 2013.</i>

Action Type	Other Actions
Actions Taken this Year	
Proposed Actions for Next Year	<i>Continue on with water conservation awareness in Lumby Matters newsletter.</i>

Direct Corporate Actions

Action Type	Building and Lighting (e.g. energy efficiency retrofits to municipal buildings)
Actions Taken this Year	<i>Energy efficient retrofits installed at Arena (dehumidifier) and lighting upgrades.</i>
Proposed Actions for Next Year	<i>Energy efficient retrofits to be installed at the Community Centre (roof and lighting upgrades).</i>

Action Type	Energy Generation (e.g. implemented heat recovery systems, solar)
Actions Taken this Year	<i>Investigate biomass district energy system - feasibility study.</i>
Proposed Actions for Next Year	<i>Investigate biomass district energy system - feasibility study. Implement if feasible.</i>

Action Type	Fleet (e.g. anti-idling policies for fleet vehicles, purchasing of hybrid)
Actions Taken this Year	<i>Already have anti-idling bylaw. Continue education of staff and public (lead by example).</i>
Proposed Actions for Next Year	<i>Already have anti-idling bylaw. Continue education of staff and public (lead by example).</i>

Action Type	Waste (e.g. introduction of composting and recycling programs and education)
Actions Taken this Year	<i>Have chipping program / leave collection / composting and backyard composter program (in conjunction with the RDNO).</i>
Proposed Actions for	<i>Continue with chipping program / leave collection / composting and backyard</i>

Next Year	<i>composter program (in conjunction with the RDNO) as well as their blue bag recycling program.</i>
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Action Type	Water/Sewer (e.g. initiated water conservation and reduction initiatives)
Actions Taken this Year	<i>Inmplemented water conservation strategy, awareness thorough Lumby Matters newsletter as well as internal education.</i>
Proposed Actions for Next Year	<i>Inmplemented water conservation strategy, awareness thorough Lumby Matters newsletter as well as internal education. Implement outcomes of the LWMP Phase 1.</i>

Action Type	Green Space (e.g. planting of trees)
Actions Taken this Year	<i>Planted 20 ntrees last year.</i>
Proposed Actions for Next Year	<i>Applied to Tree Canada to plant 30 trees in 2013.</i>

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 particularly proud of and would like to share with other local governments? Please describe and add links to additional information where possible.
Answer	

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Carbon Neutral Progress Reporting

Tonnes CO2e

Annual corporate emissions using SMARTTool or equivalent inventory tool 332

Emissions from services delivered directly by the local government

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.

332

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	

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

