



Peace River Regional District REPORT

To: Chair and Directors, Peace River Regional District Date: 24 February 2014
 From: Bruce Simard, GM of Development Services and Kim Frech, Chief Financial Officer
Subject: Climate Action Revenue Incentive Program - Reporting Requirement

Recommendation

THAT the Board receives the Climate Action Revenue Incentive (CARIP) Public Report for 2013.

Background

The attached Climate Action Revenue Incentive (CARIP) Public Report for 2013 is submitted per the requirements of the Climate Action Charter.

In addition to completing the public report, an annual Carbon Tax Calculation Report has been submitted. For 2012, the Carbon Tax rebate received from the Provincial government was \$4,782 and for 2013 the rebate claimed is \$5,793.

The following information is provided for information purposes to meet the requirement to report publicly on the Climate Action Revenue Incentive Program relating to fuel consumption by Local Governments.

	<u>2013</u>	<u>2012</u>	<u>Increase (Reduction)</u>
Gasoline (litres)	43,575	39,288	4,287
Diesel (litres)	34,364	11,589	22,775
Natural Gas (gigajoules)	1,556	1,116	440
Propane (litres)	19,837	19,653	184
Hydro (kilowatts)	581,699	524,839	56,860

The increase in diesel can be directly related to adding our contracted Solid Waste Haulers and the great distances required to drive. This increase is also attributable to the distances travelled by Field Services staff to undertake the required services at the various water and sewer locations throughout the region.

Starting in 2012 the Regional District was required to track the carbon emissions of all of its direct control traditional core services as well as those not under our direct control that funding is provided to and is used to pay for these core services - exceptions are the recreation complex that the District of Chetwynd includes in their reporting and the pool that the City of Fort St. John includes in their reporting, both by written agreement. This reporting also includes our contract haulers which will be included as new contracts are issued (not applicable to existing contracts). The carbon emission tonnage is then converted to carbon credits which will be placed into a reserve for *green initiative projects*. For the 2014 budget, the amount to place in reserve for the required carbon credits for 2013 is included in each of the applicable functions.

STRATEGIC PLAN RELEVANCE:	N/A Operational Requirement
FINANCIAL CONSIDERATION(S):	Funds Reported in Financial Reports / Staff Time
COMMUNICATION(S) CONSIDERATION:	This report is done to meet the requirement to report publicly.
OTHER CONSIDERATION(S):	Future consideration of the use of carbon credit reserve funds.

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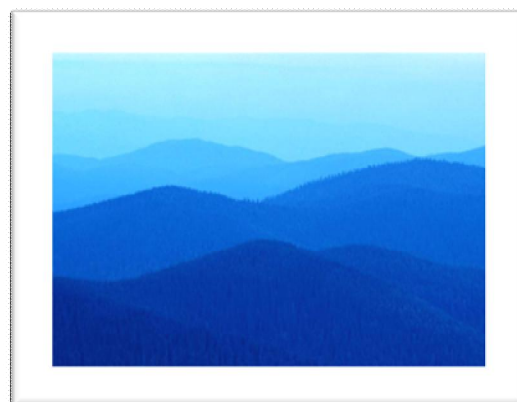
Staff Initials: _____ Dept. Head: *Kim Frech*
Bruce Simard CAO: *John Boulton*

Climate Action Revenue Incentive Program (CARIP) Public Report

Climate Action Revenue Incentive (CARIP)

Public Report for YEAR 2013

Peace River Regional District



Report Submitted by
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and
 Kim Frech
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March 7, 2014

General Information

Name of Local Government	Peace River Regional District
Member of Regional District (RD)	
Regional Growth Strategy (RGS) in region	No
Population	22,216

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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	

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</i> (LGA)? If yes, please identify the targets set. If no or in progress, please comment.																							
Answer	Yes																							
Additional Information	<p>"Three out of four OCPs have GHG targets adopted. GHG targets have been prepared for all OCPs, waiting for adoption of final OCP. Targets are as follows:</p> <table border="1"> <thead> <tr> <th>OCP Area</th> <th>Reduce GHG emissions by 2020 (from 2007 levels)</th> <th>Reduce GHG emissions by 2030 (from 2007 levels)</th> <th>Reduce GHG emissions by 2050 (from 2007 levels)</th> </tr> </thead> <tbody> <tr> <td>North Peace Fringe Total Community Reduction</td> <td>5%</td> <td>15%</td> <td>80%</td> </tr> <tr> <td><i>Per Capita Reduction</i></td> <td>30%</td> <td>50%</td> <td>--</td> </tr> <tr> <td>South Peace Fringe Total Community Reduction</td> <td>15%</td> <td>30%</td> <td>80%</td> </tr> <tr> <td><i>Per Capita Reduction</i></td> <td>25%</td> <td>40%</td> <td>--</td> </tr> </tbody> </table>				OCP Area	Reduce GHG emissions by 2020 (from 2007 levels)	Reduce GHG emissions by 2030 (from 2007 levels)	Reduce GHG emissions by 2050 (from 2007 levels)	North Peace Fringe Total Community Reduction	5%	15%	80%	<i>Per Capita Reduction</i>	30%	50%	--	South Peace Fringe Total Community Reduction	15%	30%	80%	<i>Per Capita Reduction</i>	25%	40%	--
OCP Area	Reduce GHG emissions by 2020 (from 2007 levels)	Reduce GHG emissions by 2030 (from 2007 levels)	Reduce GHG emissions by 2050 (from 2007 levels)																					
North Peace Fringe Total Community Reduction	5%	15%	80%																					
<i>Per Capita Reduction</i>	30%	50%	--																					
South Peace Fringe Total Community Reduction	15%	30%	80%																					
<i>Per Capita Reduction</i>	25%	40%	--																					

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	West Peace Fringe Total Community Reduction	20%	40%	80%
	<i>Per Capita Reduction</i>	25%	40%	--
	Rural Total Community Reduction	5%	15%	80%
	<i>Per Capita Reduction</i>	25%	45%	--

1.3 Reduce

Supportive Community Wide Actions

Action Type	Broad Planning
Actions Taken this Year	1. Adopted a new OCP for South Peace Fringe Area (around Dawson Creek and Pouce Coupe) Incl. GHG reduction targets. 2. Adopted new Building Bylaw.
Proposed Actions for Next Year	1. New OCP for West Peace Fringe Area (around Chetwynd); 2. Complete Regional Agriculture Plan. 3. Review North Peace Fringe Area OCP. 4. Review regional zoning.

Action Type	Building and Lighting
Actions Taken this Year	
Proposed Actions for Next Year	

Action Type	Energy Generation
Actions Taken this Year	Investigated options for use of landfill gas (w/ potential equivalent energy to heat approx. 200 homes).
Proposed Actions for Next Year	Finalize plans for use of landfill gas.

Action Type	Green Space
Actions Taken this Year	Completion of Regional Parks and Trails Plan
Proposed Actions for Next Year	Adoption of Regional Parks and Trails Plan

Action Type	Transportation
Actions Taken this Year	
Proposed Actions for Next Year	Consider disposition of vehicle fleet to reduce GHG.

Action Type	Waste
Actions Taken this Year	Recycling education programs; research to minimize land requirements for landfill expansion
Proposed Actions for Next Year	Enter into agreement with MMBC for recycling collection.

Action Type	Water/Sewer
Actions Taken this Year	Funding authorization and design for upgrade of Charlie Lake Sewer system to facilitate infill and compact development.
Proposed Actions for Next Year	Research into provision of sewer and water services through a regional service are, to enable efficiencies and reduce duplication.

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

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Direct Community Wide Actions

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

Action Type	Energy Generation
Actions Taken this Year	
Proposed Actions for Next Year	

Action Type	Transportation
Actions Taken this Year	Partner with City of FSJ for installation of Electric Vehicle Charging Station in Charlie Lake (Mile 54 Shell)
Proposed Actions for Next Year	

Action Type	Waste
Actions Taken this Year	1. Completed four new transfer stations w/ compaction facilities to replace 8 other sites, to achieve reduction in transportation costs and GHG emissions. 2. Began construction of landfill gas collection at FSJ landfill.
Proposed Actions for Next Year	1. Complete construction of landfill gas collection at FSJ landfill. 2. Sell landfill gas for energy production.

Action Type	Water/Sewer
Actions Taken this Year	

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Proposed Actions for Next Year	Construction of Charlie Lake sewer upgrades, to facilitate infill and compact development.
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Action Type	Green Space
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Actions Taken this Year	
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Proposed Actions for Next Year	Improvements to regional parks, as recommended in regional parks plan.
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Action Type	Other Actions
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Actions Taken this Year	
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Proposed Actions for Next Year	
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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.
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Answer	Partner with ARDCORP (BC Agriculture Council) and agriculture producers to develop an "Agricultural Climate Adaptation Strategy for the Peace River Regional District". Continued participation through implementation of strategy.
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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	Corporate emissions inventory complete

Question	What tool are you using to measure, track and report on your corporate emissions?
Answer	Excel Spreadsheet

2.2 Reduce

Supportive Corporate Actions

Action Type	Broad Planning
Actions Taken this Year	
Proposed Actions for Next Year	

Action Type	Building and Lighting
Actions Taken this Year	Completed office space requirements review including recommendations for improvements and energy efficiencies.
Proposed Actions for Next Year	Review opportunities for main office building envelope improvements.

Action Type	Energy Generation
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Actions Taken this Year	
Proposed Actions for Next Year	Consider PV installation to supplement remote solid waste transfer stations.

Action Type	Transportation
Actions Taken this Year	Transition to tracking fuel consumption of solid waste contractors.
Proposed Actions for Next Year	Complete transition for tracking all fuel consumption of solid waste contractors.

Action Type	Water/Sewer
Actions Taken this Year	
Proposed Actions for Next Year	

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	1. Upgrade windows of main office. 2. Continue monitoring performance of HVAC systems to record effectiveness of renovations.

Action Type	Energy Generation
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Actions Taken this Year	
Proposed Actions for Next Year	

Action Type	Fleet
Actions Taken this Year	Monitored and tracked fuel consumption and efficiencies of fleet.
Proposed Actions for Next Year	Continue to monitor and track fleet GHG emissions and seek efficiencies to reduce impacts.

Action Type	Waste
Actions Taken this Year	
Proposed Actions for Next Year	Perform waste audit for PRRD buildings.

Action Type	Water/Sewer
Actions Taken this Year	
Proposed Actions for Next Year	

Action Type	Green Space
Actions Taken this Year	
Proposed Actions for Next Year	

Action Type	Other Actions
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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	

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Carbon Neutral Progress Reporting

3.1 Carbon Neutral Progress Reporting

Emissions/Offsets	Tonnes CO2e
Annual corporate emissions using SMARTTool or equivalent inventory tool	1379.28
<i>Emissions from services delivered directly by the local government</i>	1343.79
<i>Emissions from contracted services</i>	35.49
Less:	0
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>	
Less:	0
GHG reductions being claimed for this reporting year from Option 2 - GHG reduction projects	
<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>	1379.28
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>	

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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	Capture of landfill gas to offset GHG emissions.

"The PRRD is actually carbon neutral but the expense payment is off by one year. Our process is that we have collected the data for 2013, calculated what our total tonnage is and have budgeted in 2014 the amount to charge each function to pay that function's emission cost.

In 2014 the total cost of \$6,202.92 based on teh total 2013 tonnage multiplied by \$20 per tonne, will be expensed to each function and will be deposited into a reserve account to be used for "green" initiatives for the PRRD.

One major project continuing from last year is the installation of a Landfill Gas Collection system at one of our landfills and wen complete it may be decided to purchae the off-set credits directly from that project - still to be determined.

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3.3 Offset Provider Information

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

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	

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	