



Peace River Regional District REPORT

To: Chair and Directors, Peace River Regional District Date: 20 February 2013
 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 2012.

Background

The attached Climate Action Revenue Incentive (CARIP) Public Report for 2012 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 2011, the Carbon Tax rebate received from the Provincial government was \$3,258 and for 2012 the rebate claimed is \$4,782. The increase is due to both the increased tax rates the Province used to calculate the rebate and the addition of the Charlie Lake Fire vehicles.

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>2012</u>	<u>2011</u>	<u>Increase (Reduction)</u>
Gasoline (litres)	39,288	35,360	3,928
Diesel (litres)	11,589	3,544	8,045
Natural Gas (gigajoules)	1,116	1,162	(46)

The increase in gasoline litres can be directly related to additional staff using the Regional District's fleet vehicles with the practice for staff to use a fleet vehicle for all business and only use personal vehicles when fleet vehicles are unavailable. The increase in diesel can be directly related to adding the Charlie Lake Fire Department vehicles and to the great distances the Field Services department is required to drive to maintain water and sewer services, parks and other sites within this vast area of the largest regional district (example: Unit #17 in 2011 was 10,800 km whereas 2012 was 44,800 km).

Starting in 2012 the Regional District is 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 2013 budget, the amount to place in reserve for the required carbon credits for 2012 is included in each of the applicable functions.

This new reporting requirement may not be exact and accurate for the first couple of reporting periods but will continue to develop as we become more informed and knowledgeable of the criteria.

STRATEGIC PLAN RELEVANCE: N/A Operational Requirement
FINANCIAL CONSIDERATION(S): Funds Reported in Financial Reports / Staff Time
OTHER CONSIDERATION(S): Future consideration regarding use of carbon credit reserve funds.

Staff Initials:

Dept. Head:

Bruce Simard
Kim Frech

CAO:

John Boulton

March 14, 2013

Climate Action Revenue Incentive Plan (CARIP) Public Report

Climate Action Revenue Incentive (CARIP) Public Report for YEAR 2012

Peace River Regional District

Reported by:
Mr. Bruce Simard
General Manager
Development Services

Peace River Regional District
Box 810, 1981 Alaska Avenue
Dawson Creek, British Columbia V1G 4H8
Toll-free (24 hour): 1-800-670-7773
Office: 250-784-3200
Fax: 250-784-3201
www.prrd.bc.ca



Table of Contents

- [General Information](#)
- [Community -Wide Actions](#)
 - 1.1 - [Measure](#)
 - 1.2 - [Plan](#)
 - 1.3 - [Reduce](#)
 - [Supportive](#)
 - [Direct](#)
 - 1.4 - [Community Wide Innovation](#)
- [Corporate Actions](#)
 - 2.1 - [Measure](#)
 - 2.2 - [Reduce](#)
 - [Supportive](#)
 - [Direct](#)
 - 2.3 - [Corporate Innovations](#)
- [Carbon Neutral Progress Reporting](#)

General Information

Name of Local Government	<i>Peace River Regional District</i>
Member of Regional District (RD)	
Regional Growth Strategy (RGS) in region	<i>No</i>
Population (2011)	<i>20,193</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</i> (CEEI) to measure progress? What else have you been using instead of/in addition to CEEI?
Answer	Yes

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	<p>Two out of four Official Community Plans (OCP) have GHG targets adopted. GHG targets have been prepared for all OCPs, waiting for adoption of final two OCPs. Targets are as follows:</p> <p>Greenhouse Gas Emission Reduction Targets were developed for each OCP Area in the PRRD's unincorporated areas using a combination of value assessment from community input and technical analysis. The following reduction targets are proposed for incorporation into each OCP:</p>			
	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%	--
	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%	--

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	<i>No - The PRRD does not have a Regional Growth Strategy.</i>

1.3 Reduce

Supportive Community-Wide Actions

Action Type	Broad Planning (e.g. creation/revision of OCPs, CEPs, transportation plans)
Actions Taken this Year	1. 1 st Reading of a new OCP for South Peace Fringe Area 2. Started Regional Agricultural Area Plan
Proposed Actions for Next Year	1. Complete OCP for South Peace Fringe Area 2. Begin new OCP for the West Peace Fringe Area 3. Begin region wide review and update of zoning 4. Complete Regional Agricultural Area Plan

Action Type	Building and Lighting (e.g. developed green building policy, increased density in the downtown)
Actions Taken this Year	
Proposed Actions for Next Year	

Action Type	Energy Generation (e.g. signed on to provincial 'solar ready' regulation, explored options for bioheating for buildings)
Actions Taken this Year	
Proposed Actions for Next Year	

Action Type	Green Space (e.g. developed urban forestry policy, adopted park acquisition policy)
Actions Taken this Year	Public Consultation for Regional Parks & Trails Master Plan
Proposed Actions for Next Year	Completed Draft Regional Parks & Trails Master Plan

Action Type	Transportation (e.g. developed sustainable transportation plan, completed bicycle master plan)
Actions Taken this Year	
Proposed Actions for Next Year	

Action Type	Waste (e.g. introduced composting and recycling education programs)
Actions Taken this Year	Recycling education programs; Completed six new transfer stations w/ compaction facilities to replace 12 other sites, to achieve reduction in transportation costs and GHG emissions.
Proposed Actions for Next Year	Work with municipalities to facilitate curb-side recycling collection; Install 4 new transfer stations w/ compaction facilities.

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	Work with Northern Health to assess use of alternative onsite sewage disposal to permit smaller lot sizes, and increase rural density.
Proposed Actions for Next Year	

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	New building bylaw brought to draft 3rd Reading stage
Proposed Actions for Next Year	Adoption and implementation of new building bylaw to support 2012 Building Code

Action Type	Energy Generation (e.g. implement district energy, geothermal, solar)
Actions Taken this Year	
Proposed Actions for Next Year	

Action Type	Transportation (e.g. implement bike lanes, pedestrian paths, upgrade transit service and infrastructure, improve roads, parking fees etc.)
Actions Taken this Year	
Proposed Actions for Next Year	

Action Type	Waste (e.g. introduce composting and recycling programs)
Actions Taken this Year	Design and tender for gas collection system for Fort St John landfill
Proposed Actions for Next Year	Recycling program including education and outreach.

Action Type	Water/Sewer (e.g. implement water conservation and reduction initiatives)
Actions Taken this Year	Education program for Charlie Lake Sewer system to reduce storm water infiltration, to reduce system volume, conserve energy and reduce impact from discharges
Proposed Actions for Next Year	

Action Type	Green Space (e.g. plant trees, conserve forest etc.)
Actions Taken this Year	Completion of Parks & Trails Master Plan
Proposed Actions for Next Year	Park and trail restoration as recommended by Parks & Trails Master Plan

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	Committed to partnership funding with the City of Fort St John and the City of Dawson Creek, to establish two electric vehicle charging stations in the PRRD rural area.

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	2012 energy use and emissions calculated

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

2.2 Reduce

Supportive Corporate Actions

Action Type	Broad Planning (e.g. <i>developed corporate climate action plan</i>)
Actions Taken this Year	Completed in 2009
Proposed Actions for Next Year	

Action Type	Building and Lighting (e.g. <i>developed energy reduction plan for all corporate buildings</i>)
Actions Taken this Year	Completed office HVAC retrofit including addition of solar hot water heating
Proposed Actions for Next Year	Continue monitoring performance of HVAC systems to record effectiveness of renovations.

Action Type	Energy Generation (e.g. <i>undertook feasibility study of green energy generation for civic buildings</i>)
Actions Taken this Year	Investigate feasibility of landfill gas collection for small energy generation.
Proposed Actions for Next Year	Construction of landfill gas collection system at Fort St John landfill

Action Type	Transportation (e.g. <i>created anti-idling policy for city vehicles, bike to work week promotion</i>)
Actions Taken this Year	Review solid waste transportation contracts for inclusion and reporting of fuel consumption and GHG emissions.
Proposed Actions for Next Year	

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

Action Type	Water/Sewer (e.g. <i>completed study of sewer and water energy use</i>)
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 (e.g. energy efficiency retrofits to municipal buildings)
Actions Taken this Year	Completed major renovation of HVAC systems (approx. \$273,000). Resulted in an immediate 73% savings in water bill.
Proposed Actions for Next Year	

Action Type	Energy Generation (e.g. implemented heat recovery systems, solar)
Actions Taken this Year	
Proposed Actions for Next Year	

Action Type	Fleet (e.g. anti-idling policies for fleet vehicles, purchasing of hybrid)
Actions Taken this Year	
Proposed Actions for Next Year	

Action Type	Waste (e.g. introduction of composting and recycling programs and education)
Actions Taken this Year	Consolidate and reduce number of rural transfer stations using compaction technology to reduce transportation costs and emissions
Proposed Actions for Next Year	

Action Type	Water/Sewer (e.g. initiated water conservation and reduction initiatives)
Actions Taken this Year	Charlie Lake sewer capacity improvements to maximize infrastructure efficiency.
Proposed Actions for Next Year	

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	Greater use of webinars for training and thus reducing staff travel.
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	

Carbon Neutral Progress Reporting

Tonnes CO₂e

Annual corporate emissions using SMARTTool or equivalent inventory tool	1,354.2
---	---------

<i>Emissions from services delivered directly by the local government</i>	1,319.9
---	---------

<i>Emissions from contracted services</i>	34.25
---	-------

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
---	---

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.

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>	1,354.22
--	----------

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	1,354.22 tonnes

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

"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 2012, calculated what our total tonnage is and have budgetted in 2013 the amount to charge each function to pay that functions emission cost.

In 2013 the total cost of \$4,827.74 based on the total 2012 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 presently underway is the installation of a Landfill Gas Collection system at one of our landfills and when complete it may be decided to purchase the off-set credits directly from that project - still to be determined."