



Peace River Regional District REPORT

R-10

To: Chair and Directors, Peace River Regional District Date: 5 March 2015
 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 2014.

Background

The attached Climate Action Revenue Incentive (CARIP) Public Report for 2014 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 2013, the Carbon Tax rebate received from the Provincial government was \$5,793 and for 2014 the rebate claimed is \$5,247.

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>2014</u> | <u>2013</u> | <u>Increase (Reduction)</u> |
|--------------------------|-------------|-------------|-----------------------------|
| Gasoline (litres) | 41,509 | 45,575 | (4,066) |
| Diesel (litres) | 27,117 | 34,364 | (7,247) |
| Natural Gas (gigajoules) | 1,736 | 1,556 | 180 |
| Propane (litres) | 19,961 | 19,837 | 124 |
| Hydro (kilowatts) | 631,893 | 581,699 | 50,194 |

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 Solid Waste Transfer Station contract hauler 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 2015 budget, the amount to place in reserve for the required carbon credits for 2014 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. |

March 12, 2015

Staff Initials: *Bruce Simard* Dept. Head: *Kim Frech* CAO: *Chibiuk*

Climate Action Revenue Incentive Program (CARIP) Public Reporting - Climate Actions Survey 2014

BROAD PLANNING

Broad Planning refers to the high level, strategic planning that sets the stage for GHG reductions. Land use planning that focuses on Smart Growth principles (compact, complete, connected and centred) plays an especially important role in energy and GHG reduction. Plans that relate to a certain sector should be included in that sector, e.g. transportation plans in the 'Transportation' sector. In the appropriate boxes below, please record all corporate and community-wide actions taken in 2014 and proposed for 2015. Number and type of actions will vary by community. Please refer to the 'Action Examples' tab above for assistance in understanding the type of information to include in each action category. If the action was taken in partnership, please indicate with whom.

| | Yes | No | Please specify or comment |
|--|-------|------|---------------------------|
| Since initially establishing OCP targets, policies, and actions for the reduction of greenhouse gas (GHG) emissions, as required by the Local Government Act, has your local government updated those targets, policies and actions? | False | True | (No response) |

| Variable | Response |
|--|----------|
| Does your local government use the Community Energy and Emissions Inventory (CEEI) to measure progress? | Yes |
| Has your local government established Development Permit Areas (DPAs) for climate action (i.e. energy conservation, water conservation and/or GHG emission reduction)? | No |

CORPORATE - Broad Planning

| | Actions taken in 2014 | Actions proposed for 2015 |
|---|-----------------------|---------------------------|
| Feasibility Studies, Research, Analysis | (No response) | (No response) |
| Plans, Policies, Regulations | (No response) | (No response) |

| | | |
|------------------------------|---------------|---------------|
| Policy Implementation | (No response) | (No response) |
| Employee Training, Awareness | (No response) | (No response) |
| Committees, Staffing | (No response) | (No response) |
| Funding | (No response) | (No response) |

COMMUNITY-WIDE - Broad Planning

| | Actions taken in 2014 | Actions proposed for 2015 |
|---|--|---|
| Feasibility Studies, Research, Analysis | Consideration of regional sewer and water services | (No response) |
| Plans, Policies, Regulations | Review of Draft Regional Agriculture Plan | 1. Adopt new West Peace Fringe OCP; 2. Phase 1 of new North Peace Fringe Area OCP; 3. Adoption of Regional Agriculture Plan |
| Policy Implementation | (No response) | (No response) |
| Community Education, Engagement | (No response) | (No response) |
| Committees, Staffing | (No response) | (No response) |
| Funding | (No response) | (No response) |

Buildings

BUILDINGS

Low-carbon buildings use the minimum amount of energy needed to provide comfort and safety for their inhabitants, and tap into renewable energy sources for heating, cooling and power. These buildings can save money, especially viewed over the long term. In the appropriate boxes below, please record all corporate and community-wide actions taken in 2014 and proposed for 2015. Number and type of actions will vary by community. Please refer to the 'Action Examples' tab above for assistance in understanding the type of information to include in each action category. If the action was taken in partnership, please indicate with whom.

| Variable | Response |
|--|----------|
| Does your local government have green building/construction policies, plans or programs? | No |

CORPORATE - Buildings

| | Actions taken in 2014 | Actions proposed for 2015 |
|---|-----------------------|---------------------------|
| Physical Improvements, Construction | (No response) | (No response) |
| Feasibility Studies, Research, Analysis | (No response) | (No response) |
| Plans, Policies, Regulations | (No response) | (No response) |
| Policy Implementation | (No response) | (No response) |
| Employee Training, Awareness | (No response) | (No response) |
| Committees, Staffing | (No response) | (No response) |
| Funding | (No response) | (No response) |

COMMUNITY-WIDE - Buildings

| | Actions taken in 2014 | Actions proposed for 2015 |
|---|-----------------------|---------------------------|
| Physical Improvements, Construction | (No response) | (No response) |
| Feasibility Studies, Research, Analysis | (No response) | (No response) |
| Plans, Policies, Regulations | (No response) | (No response) |
| Policy Implementation | (No response) | (No response) |
| Community Education, Engagement | (No response) | (No response) |
| Committees, Staffing | (No response) | (No response) |
| Funding | (No response) | (No response) |

Energy Generation

ENERGY GENERATION

A transition to renewable or low-emission energy sources for heating, cooling and power supports large, long-term GHG emissions reductions. Renewable energy including waste heat recovery (e.g. from biogas and biomass), geo-exchange, micro hydroelectric, solar thermal and solar photovoltaic, heat pumps, tidal, wave, and wind energy can be implemented at different scales, e.g. in individual homes, or integrated across neighbourhoods through district energy or co-generation systems. In the appropriate boxes below, please record all corporate and community-wide actions taken in 2014 and proposed for 2015. Number and type of actions will vary by community. Please refer to the 'Action Examples' tab above for assistance in understanding the type of information to include in each action category. If the action was taken in partnership, please indicate with whom.

| Variable | Response |
|---|----------|
| Has your local government undertaken district energy projects in 2014? | No |
| Has your local government undertaken renewable energy projects 2014? | No |
| Are you aware of the integrated resource recovery (IRR) guidance page on the BC Climate Action Toolkit? (http://www.toolkit.bc.ca/tool/integrated-resource-recovery-irr) | Yes |

CORPORATE - Energy Generation

| | Actions taken in 2014 | Actions proposed for 2015 |
|---|--|---|
| Physical Improvements, Construction | Completion of Fort St John landfill gas collection | (No response) |
| Feasibility Studies, Research, Analysis | (No response) | Assess landfill gas for energy generation |
| Plans, Policies, Regulations | (No response) | (No response) |
| Policy Implementation | (No response) | (No response) |
| Employee Training, Awareness | (No response) | (No response) |
| Committees, Staffing | (No response) | (No response) |
| Funding | (No response) | (No response) |

COMMUNITY-WIDE - Energy Generation

| | Actions taken in 2014 | Actions proposed for 2015 |
|---|-----------------------|---------------------------|
| Physical Improvements, Construction | (No response) | (No response) |
| Feasibility Studies, Research, Analysis | (No response) | (No response) |
| Plans, Policies, Regulations | (No response) | (No response) |
| Policy Implementation | (No response) | (No response) |
| Community Education, Engagement | (No response) | (No response) |
| Committees, Staffing | (No response) | (No response) |
| Funding | (No response) | (No response) |

Greenspace

GREENSPACE

Greenspace refers to parks and greenways, boulevards, community forests, urban agriculture, riparian areas, gardens, recreation/school sites, and other green spaces, such as remediated brownfield/contaminated sites. Greenspaces support climate change mitigation (reducing emissions by absorbing and sequestering GHG) and adaptation (providing shade, cooling, deflecting strong wind, and improving air quality). In the appropriate boxes below, please record all community-wide actions taken in 2014 and proposed for 2015 (Note: the 'Greenspace' sector only has a community-wide actions section). Number and type of actions will vary by community. Please refer to the 'Action Examples' tab above for assistance in understanding the type of information to include in each action category. If the action was taken in partnership, please indicate with whom.

| Variable | Response |
|---|----------|
| Does your local government have urban forest policies, plans or programs? | No |

COMMUNITY-WIDE - Greenspace

| | Actions taken in 2014 | Actions proposed for 2015 |
|---|---|---------------------------|
| Physical Improvements, Construction | (No response) | (No response) |
| Feasibility Studies, Research, Analysis | (No response) | (No response) |
| Plans, Policies, Regulations | (No response) | (No response) |
| Policy Implementation | (No response) | (No response) |
| Community Education, Engagement | Promote awareness of Regional Parks through "Find the Bench" contest | (No response) |
| Committees, Staffing | (No response) | (No response) |
| Funding | Establish a Trails Grant program for maintenance and establishment of regional trails | Disburse Trails Grants |

Solid Waste

SOLID WASTE

Reducing, reusing, recycling, recovering and managing the disposal of the residual solid waste minimizes environmental impacts and supports sustainable environmental management, greenhouse gas reductions, and improved air and water quality. In the appropriate boxes below, please record all corporate and community-wide actions taken in 2014 and proposed for 2015. Number and type of actions will vary by community. Please refer to the 'Action Examples' tab above for assistance in understanding the type of information to include in each action category. If the action was taken in partnership, please indicate with whom.

| Variable | Response |
|--|----------|
| Does your local government have construction and demolition waste reduction policies, plans or programs? | Yes |
| Does your local government have organics reduction/diversion policies, plans or programs? | Yes |

CORPORATE - Solid Waste

| | Actions taken in 2014 | Actions proposed for 2015 |
|---|--|---|
| Physical Improvements, Construction | (No response) | Four new rural transfer stations that include recycling |
| Feasibility Studies, Research, Analysis | (No response) | (No response) |
| Plans, Policies, Regulations | (No response) | (No response) |
| Policy Implementation | Establish MMBC recycling collection at 9 rural transfer stations | (No response) |
| Employee Training, Awareness | (No response) | (No response) |
| Committees, Staffing | (No response) | (No response) |
| Funding | (No response) | (No response) |

COMMUNITY-WIDE - Solid Waste

| | Actions taken in 2014 | Actions proposed for 2015 |
|--|-----------------------|---------------------------|
| | | |

| | | |
|---|--|---------------|
| Physical Improvements, Construction | (No response) | (No response) |
| Feasibility Studies, Research, Analysis | Complete agriculture plastics recycling pilot project. | (No response) |
| Plans, Policies, Regulations | (No response) | (No response) |
| Policy Implementation | (No response) | (No response) |
| Community Education, Engagement | (No response) | (No response) |
| Committees, Staffing | (No response) | (No response) |
| Funding | (No response) | (No response) |

Transportation

TRANSPORTATION

Transportation actions that increase transportation system efficiency, emphasize the movement of people and goods, and give priority to more efficient modes, e.g. walking, cycling, ridesharing, and public transit, can contribute to reductions in greenhouse gas emissions and more livable communities. In the appropriate boxes below, please record all corporate and community-wide actions taken in 2014 and proposed for 2015. Number and type of actions will vary by community. Please refer to the 'Action Examples' tab above for assistance in understanding the type of information to include in each action category. If the action was taken in partnership, please indicate with whom.

| Variable | Response |
|--|----------|
| Does your local government have policies, plans or programs to support alternative modes and technologies of transportation (e.g. walking, cycling, transit, electric vehicles) | Yes |
| Does your local government have a transportation demand management (TDM) strategy? (http://www.toolkit.bc.ca/resource/transportation-demand-management-small-and-mid-sized-communities-toolkit) | No |
| Does your local government have policies, plans or programs to support local food production (thus reducing transportation emissions)? | No |

CORPORATE - Transportation

| | Actions taken in 2014 | Actions proposed for 2015 |
|-------------------------------------|-----------------------|--|
| Physical Improvements, Construction | (No response) | Add compactors to 4 new waste transfer stations resulting in large reduction for |

| | | |
|---|--|----------------|
| | | transportation |
| Feasibility Studies, Research, Analysis | (No response) | (No response) |
| Plans, Policies, Regulations | (No response) | (No response) |
| Policy Implementation | Use life cycle costing and GHG emissions for vehicle selection | (No response) |
| Employee Training, Awareness | (No response) | (No response) |
| Committees, Staffing | (No response) | (No response) |
| Funding | (No response) | (No response) |

COMMUNITY-WIDE - Transportation

| | Actions taken in 2014 | Actions proposed for 2015 |
|---|-----------------------|--|
| Physical Improvements, Construction | (No response) | (No response) |
| Feasibility Studies, Research, Analysis | (No response) | (No response) |
| Plans, Policies, Regulations | (No response) | Prepare a transportation plan for the North Peace Fringe OCP |
| Policy Implementation | (No response) | (No response) |
| Community Education, Engagement | (No response) | (No response) |
| Committees, Staffing | (No response) | (No response) |
| Funding | (No response) | (No response) |

Water and Wastewater

WATER and WASTEWATER

Managing and reducing water consumption and wastewater is an important aspect of developing a sustainable built environment that supports healthy communities, protects ecological integrity, and reduces greenhouse gas emissions. In the appropriate boxes below, please record all corporate and community-wide actions taken in 2014 and proposed for 2015. Number and type of actions will vary by community. Please refer to the 'Action Examples' tab above for assistance in understanding

the type of information to include in each action category. If the action was taken in partnership, please indicate with whom.

| Variable | Response |
|---|----------|
| Does your local government have water conservation policies, plans or programs? | No |

CORPORATE - Water and Wastewater

| | Actions taken in 2014 | Actions proposed for 2015 |
|---|--|---|
| Physical Improvements, Construction | 1. Added receiving station to Charlie Lake Lagoons - to reduce travel for sewage disposal for area residents | Expansion of Charlie Lake Lagoons to facilitate sewer system expansion and densification. |
| Feasibility Studies, Research, Analysis | (No response) | Consider options for rural water supply |
| Plans, Policies, Regulations | (No response) | (No response) |
| Policy Implementation | (No response) | (No response) |
| Employee Training, Awareness | (No response) | (No response) |
| Committees, Staffing | (No response) | (No response) |
| Funding | (No response) | (No response) |

COMMUNITY-WIDE - Water and Wastewater

| | Actions taken in 2014 | Actions proposed for 2015 |
|---|---|---|
| Physical Improvements, Construction | (No response) | (No response) |
| Feasibility Studies, Research, Analysis | (No response) | (No response) |
| Plans, Policies, Regulations | (No response) | (No response) |
| Policy Implementation | (No response) | (No response) |
| Community Education, Engagement | (No response) | (No response) |
| Committees, Staffing | Established Water Stewardship Committee | Research to quantify groundwater resources. |

| | | |
|---------|---------------|---------------|
| Funding | (No response) | (No response) |
|---------|---------------|---------------|

Other Climate Actions

OTHER CLIMATE ACTIONS

This section is intended to give local governments a chance to record other climate actions that could not be captured in the above sectors, including climate change adaptation actions and air quality actions. In the appropriate boxes below, please record all corporate and community-wide actions taken in 2014 and proposed for 2015. Number and type of actions will vary by community. Please refer to the 'Action Examples' tab above for assistance in understanding the type of information to include in each action category. If the action was taken in partnership, please indicate with whom.

| Variable | Response |
|--|----------|
| Has your local government begun to integrate the impacts of a changing climate (adaptation) into its planning and operations? | Yes |
| Are you aware of the climate change adaptation guidance page on the BC Climate Action Toolkit? (http://www.toolkit.bc.ca/adaptation-challenges-and-opportunities) | Yes |

CORPORATE - Other Climate Action

| | Actions taken in 2014 | Actions proposed for 2015 |
|---|-----------------------|---------------------------|
| Physical Improvements, Construction | (No response) | (No response) |
| Feasibility Studies, Research, Analysis | (No response) | (No response) |
| Plans, Policies, Regulations | (No response) | (No response) |
| Policy Implementation | (No response) | (No response) |
| Employee Training, Awareness | (No response) | (No response) |
| Committees, Staffing | (No response) | (No response) |
| Funding | (No response) | (No response) |

COMMUNITY-WIDE - Other Climate Action

| | Actions taken in 2014 | Actions proposed for 2015 |
|-------------------------------------|-----------------------|---------------------------|
| Physical Improvements, Construction | (No response) | (No response) |

| | | |
|---|---|-------------------------------------|
| Feasibility Studies, Research, Analysis | Funding committed to feasibility research for ag land use inventory to support an Ag Water Demand Model | Conduct ag land use inventory |
| Plans, Policies, Regulations | (No response) | (No response) |
| Policy Implementation | (No response) | (No response) |
| Community Education, Engagement | (No response) | (No response) |
| Committees, Staffing | Participation in Agriculture Climate Adaptation Working Group | (No response) |
| Funding | Funding committed to installation of improved weather monitoring | Installation of 10 weather stations |

Innovation

INNOVATION

This section is intended to give your local government an opportunity to describe any energy and GHG emission reduction activities that have been undertaken over the past year(s) that your local government is particularly proud of and would like to share with other local governments.

CORPORATE - Innovation

Please describe any innovative corporate actions taken in 2014 and add links to additional information where possible.

(No response)

COMMUNITY-WIDE - Innovation

Please describe any innovative community-wide actions taken in 2014 and add links to additional information where possible.

(No response)

Local Government Information

LOCAL GOVERNMENT INFORMATION

| Variable | Response |
|---|-------------------------------|
| LOCAL GOVERNMENT INFORMATION Name of Local Government | Peace River Regional District |

| | |
|--|---------------|
| LOCAL GOVERNMENT INFORMATION Name of member Regional District (RD) | Peace River |
| LOCAL GOVERNMENT INFORMATION Regional Growth Strategy (RGS) in your region | No |
| LOCAL GOVERNMENT INFORMATION Population | 10,000-49,999 |

Submitted by:

| Variable | Response |
|---|----------------------------|
| Submitted by: Name | Bruce Simard |
| Submitted by: Position | GM of Development Services |
| Submitted by: Email | bruce.simard@prrd.bc.ca |
| Submitted by: Telephone # (ten digit) | 250-784-3200 |

This year we replaced the CARIP Public Reporting Template with two online surveys to streamline and improve the reporting process. We would like to know what you think.

Please check the answer that best describes your thoughts on how the Climate Actions Survey and the new survey process compares to the previous year's process.

Somewhat improved

Before submitting your survey, please ensure that it is your local government's complete and final 2014 Climate Actions Survey. Please submit this survey only once.

Is this your local government's complete and final 2014 Climate Actions Survey?

Yes

Once you have submitted your survey, be sure to download your survey report from the 'Thank You' page and use it as your public report.

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 2014, calculated what our total tonnage is and have budgeted in 2015 the amount to charge each function to pay that function's emission cost.

In 2015 the total cost of \$5,920 based on the total 2014 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.

Our major project of installing a Landfill Gas Collection system at one of our landfills has just been commissioned and it will be used to off-set credits for the PRRD as well as possibly sell to other member municipalities and others - still to be determined.

March 12, 2015



CARIP Climate Actions Public Report Attestation

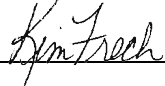
As per the CARIP guidance, the Financial Officer is required to submit this attestation form to attest that:

- On or before March 8, 2015, the report generated from the Climate Actions Survey submitted online to the Province has been made public.

The Financial Officer must complete and sign this attestation form by the applicable deadline and email a scanned copy to the province at infra@gov.bc.ca.

CARIP Climate Actions Public Report Attestation Form — DUE on or before March 8, 2015

I declare that the 2014 final, complete report generated from the Climate Actions Survey submitted online to the Province on (insert date) for (insert name of local government) was made public on (insert date).

Name, Title (print) CFO Kim Frech, CFO
Signature: 
Date: 5 March 2015

March 12, 2015