

Climate Action Revenue Incentive Plan (CARIP) Public Report

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POWELL RIVER
REGIONAL DISTRICT

Reported by:

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GENERAL INFORMATION

Name of Local Government: *Powell River Regional District*
Member of Regional District (RD): *Powell River Regional District*
Regional Growth Strategy (RGS) in region: *No*
Population: *19906*

Report Submitted by

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Community-Wide Actions for 2013

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:	<i>Staff used the CEEI inventory profile for unincorporated areas of the Powell River Regional District as baseline data on community energy use and greenhouse gas emissions. Staff collaborated with BC Hydro to conduct a community energy use survey and calculate community energy use and greenhouse gas emissions for Savary Island. CEEI inventory data was not applicable to Savary Island given the seasonal nature of this very rural island population. Measuring progress in reducing “community” energy use and greenhouse gas emissions will continue to be an ongoing challenge given the lack of regulatory bylaws in this Regional District.</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:	<p><i>All of the OCPs in the Powell River Regional District include GHG emissions reduction targets, as well as policies and actions to achieve those targets.</i></p> <ul style="list-style-type: none"> - <i>Targets in the Electoral Area B OCP include: reduce vehicular CO2 emissions by 10% by 2021; and focus 50% of all new housing units within the Myrtle Pond service area.</i> - <i>Targets in the Electoral Area C OCP include: reduce vehicular CO2 emissions by 10% by 2021; and focus 50% of all new housing units within the community nodes of Black Point and Lang Ba.</i> - <i>Targets in the Savary Island OCP include: reduce GHG emissions through reduced fossil fuel consumption and shift to alternative forms of energy; and reduce GHG emissions by 33% by the year 2020.</i> - <i>Targets in the Lund OCP include: reduce GHG emissions by 33% by the year 2020; and increase ridership on regional transit.</i> - <i>Targets in the Texada Island OCP include: meet or beat the provincial target to reduce GHG emissions by 33% by the year 2020.</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:	<i>No</i>
Additional Information:	<i>No Regional Growth Strategy (RGS) in this Regional District.</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	<i>The Powell River Regional District completed a draft Regional Transportation Plan. The plan includes a Walking and Cycling Network Plan as well as recommendations for improving rural transit. Regional District staff also participated in the City of Powell River's Community Energy and Emissions Planning process.</i>
Proposed Actions for Next Year	<i>Adopt Regional Transportation Plan and implement recommended actions including: public education to promote the use of public transit and active transportation; develop additional active transportation infrastructure (cycling and walking paths) in Electoral Area B (along Padgett Road) and Electoral Area D (along Gilles Bay Road); and participate in Walkability Workshop with Vancouver Coastal Health, City of Powell River and Tla'amin Nation. The RD will be developing a new Electoral Area A OCP (a previously unplanned area) which will include community energy and GHG emission reduction targets, policies and actions.</i>

Action Type	Building and Lighting (e.g. developed green building policy, increased density in the downtown)
Actions Taken This Year	<i>NA</i>
Proposed Actions for Next Year	<i>Public education/consultation events together with City of Powell River, Tla'amin Nation, BC Hydro and Fortis BC on residential energy efficiency and green building practices.</i>

Action Type	Energy Generation (e.g. signed on to provincial 'solar read' 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	<i>The Regional District protected 17 waterfront access sites and continued work to develop a Park Acquisition Strategy.</i>
Proposed Actions for Next Year	<i>Complete and adopt a Park Acquisition Strategy.</i>

Action Type	Transportation (e.g. developed sustainable transportation plan, completed bicycle master plan)
Actions Taken This Year	<i>The Powell River Regional District completed a draft Regional Transportation Plan. The plan includes a Walking and Cycling Network Plan as well as recommendations for improving rural transit. The RD partnered with the provincial Ministry of Transportation and Infrastructure to develop active transportation infrastructure (cycling and walking paths) in Electoral Area B (along Padgett Road). The RD also provided extra public transit to community wide events such as the Open Air Market to reduce the use of personal vehicles and provided support for a BC Transit Service Review which will continue into 2014.</i>
Proposed Actions for Next Year	<i>The RD will investigate the feasibility of expanded public transit in rural areas; work with local cycling association and provincial Ministry of Transportation and Infrastructure to further develop active transportation infrastructure (cycling and walking paths) in Electoral Area B (remainder of Padgett Road) and Electoral Area D (along Gilles Bay Road).</i>

Action Type	Waste (e.g. introduced composting and recycling education programs)
Actions Taken This Year	<i>The RD has a comprehensive recycling program in place. Recyclable materials are collected in the City and recycling bins are provided for public drop off in strategic locations in the electoral areas and at two grocery stores in the community. The RD undertook a composting feasibility study in 2012. The RD continues with a comprehensive public education program on solid waste reduction, including home composting promotion, consumer and business education on waste reduction strategies, "green" purchasing decisions. Program objective is to reduce waste going to landfill and associated emissions related to transportation and landfill gases.</i>
Proposed Actions for Next Year	<i>Continuation of public education program on solid waste reduction, including home composting promotion, consumer and business education on waste reduction strategies, "green" purchasing decisions. Program objective is to reduce waste going to landfill and associated emissions related to transportation and landfill gases.</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	

Proposed Actions for Next Year	
Action Type	<i>Other Actions</i>
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	
Proposed Actions for Next Year	<i>The RD will provide public education/consultation events together with the City of Powell River, Tla'amin Nation, BC Hydro and Fortis BC on residential energy efficiency and green building practices.</i>

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	The RD developed a bike lane on Padgett Road/
Proposed Actions for Next Year	<i>The RD will undertake a Regional Transportation Study in 2014 and plans are underway to consider the development of a second phase of the bike lane on Padgett Road from the City to the electoral area directly south of it and to enable residents of Gillies Bay to commute to their main business area.</i>

Action Type	Waste (e.g. introduce composting and recycling programs)
Actions Taken This Year	<i>The RD has a comprehensive recycling program in place. Recyclable materials are collected in the City and recycling bins are provided for public drop off in strategic locations in the electoral areas and at two grocery stores in the community. The RD undertook a composting feasibility study in 2012. The RD continues with a comprehensive public education program on solid waste reduction, including home composting promotion, consumer and business</i>

	<i>education on waste reduction strategies, "green" purchasing decisions. Program objective is to reduce waste going to landfill and associated emissions related to transportation and landfill gases.</i>
Proposed Actions for Next Year	<i>Continuation of public education program on solid waste reduction, including home composting promotion, consumer and business education on waste reduction strategies, "green" purchasing decisions. Program objective is to reduce waste going to landfill and associated emissions related to transportation and landfill gases.</i>

Action Type	Water/Sewer (e.g. implement water conservation and reduction initiatives)
Actions Taken This Year	
Proposed Actions for Next Year	

Action Type	Green Space (e.g. plant trees, conserve forest etc.)
Actions Taken This Year	
Proposed Actions for Next Year	<i>Complete and adopt a Park Acquisition Strategy which may lead to an expansion of park land and protection of green space.</i>

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 2013

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
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	GHG emissions from energy use)?
Answer	<i>Administration/accounting staff have gained an understanding of the emissions included in corporate operations; have identified emission source, have collected and recorded data on fuel consumption by type and by regional district service, and have converted fuel consumption to GHG emission equivalents. In 2013 the RD hired a consultant to help us measure our corporate emissions inventory. In 2014 the RD will use the GHG Accounting software to continue to track and report emissions.</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>The RD is currently using GHG Accounting Software to track and report on its corporate emissions.</i>

2.2 REDUCE

Supportive Corporate Actions

Action Type	Broad Planning (e.g. developed corporate climate action plan)
Actions Taken This Year	<i>The RD continued its program to make RD buildings more energy efficient.</i>
Proposed Actions for Next Year	<i>Staff will continue to review operating procedures to identify opportunities to improve energy efficiency/reduce GHG emissions. The RD intends to develop a multi-year plan to reduce GHG emissions and conserve energy.</i>

Action Type	Building and Lighting (e.g. developed energy reduction plan for all corporate buildings)
Actions Taken This Year	<i>To make its buildings more energy efficient, the RD upgraded its Savary Island Fire Hall to improve energy efficiency by installing new windows and upgrades the walls and cladding to reduce heat loss and associated GHG emissions.</i>
Proposed Actions for Next Year	<i>The RD will continue its building retrofit program in 2014. Staff will continue to review operating procedures to identify opportunities to improve energy efficiency/reduce GHG emissions.</i>

Action Type	Energy Generation (e.g. undertook feasibility study of green energy generation for civic buildings)
Actions Taken This Year	
Proposed Actions for Next Year	

Action Type	Transportation (e.g. created anti-idling policy for city vehicles, bike to work week promotion)
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Actions Taken This Year	<i>Staff participated in and promoted Bike to Work Week.</i>
Proposed Actions for Next Year	<i>Staff will participate in and promote Bike to Work Week. The Regional District looks forward to developing a Bicycle Network Plan.</i>

Action Type	Waste (e.g. completed waste audit of City Hall)
Actions Taken This Year	NA
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	

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>The RD continued its program to make RD buildings more energy efficient.</i>
Proposed Actions for Next Year	<i>Staff will continue to review operating procedures to identify opportunities to improve energy efficiency/reduce GHG emissions. The RD intends to develop a multi-year plan to reduce GHG emissions and conserve energy.</i>

Action Type	Energy Generation (e.g. implemented heat recovery systems, solar)
Actions Taken This Year	<i>To make its buildings more energy efficient the RD installed new windows and upgraded the walls of the Savary Island Fire Hall to conserve heat loss and reduce associated GHG emissions.</i>
Proposed Actions for Next Year	<i>The RD will continue its building retrofit program in 2014. Staff will continue to review operating procedures to identify opportunities to improve energy efficiency/reduce GHG emissions.</i>

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

Action Type	<i>Waste</i> (e.g. introduction of composting and recycling programs and education)
Actions Taken This Year	
Proposed Actions for Next Year	

Action Type	<i>Water/Sewer</i> (e.g. initiated water conservation and reduction initiatives)
Actions Taken This Year	
Proposed Actions for Next Year	

Action Type	<i>Green Space</i> (e.g. planting of trees)
Actions Taken This Year	
Proposed Actions for Next Year	

Action Type	<i>Other Actions</i>
Actions Taken This Year	
Proposed Actions for Next Year	<i>As part of a proposed Landfill Closure Plan, there is the potential that a botanical garden would be constructed which would include trees and other plants to occupy a Greenspace and perform phytoremediation.</i>

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

Emissions/Offsets	Tonnes CO2e
Corporate emissions using SMARTTool or equivalent inventory tool	
<i>Emissions from services delivered directly by the local government</i>	88.4
<i>Emissions from contracted services</i>	96.4
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
<i>Option 2 Project A</i>	
<i>Option 2 Project B</i>	
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>	185

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	<i>The RD will continue to retrofit buildings to reduce greenhouse gas emissions in its corporate operations. The RD is also committed to waste education and will investigate the amount of compostable material that is generated in the region. The RD will use the data to investigate the feasibility of constructing a central composting facility.</i>

Additional "Option 2" Projects

Option 2 Project C

Option 2 Project D

Option 2 Project E

Option 2 Project F

Option 2 Project G

Option 2 Project H

Offset Provider Information

(i) Please Identify the name(s) of your offset provider(s):

(ii-a) The offsets being claimed in this CARIP Report were purchased from the offset provider(s) indicated above prior to making this CARIP report public:

OR

(ii-b) There is a signed agreement in place between the reporting local government and the offset provider(s) indicated above to purchase the offsets by no later than June 1, 2014.