

Climate Action Revenue Incentive Plan (CARIP) Public Report

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**POWELL RIVER
REGIONAL DISTRICT**

Reported by:

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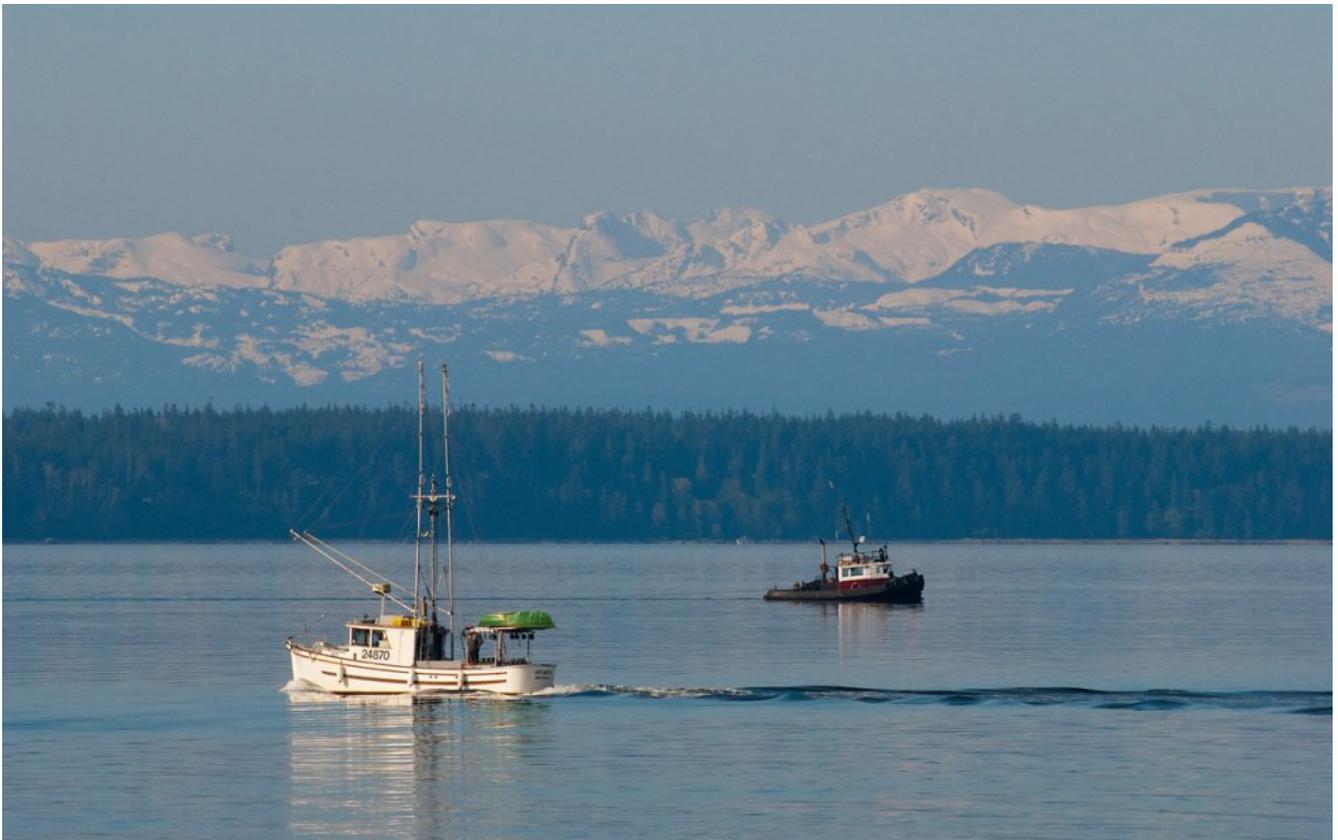


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GENERAL INFORMATION

Name of Local Government: *Powell River Regional District*
Member of Regional District (RD): *Powell River Regional District*
Regional Growth Strategy (RGS) in region: *Yes*
Population: *19906*

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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
Additional Information:	<i>Planning staff reviewed the CEEI inventory profile for unincorporated areas of this regional district. Using CEEI inventory data and population data, planning staff prepared baseline data on community energy use and greenhouse gas emissions for each of the electoral areas and communities in the region. CEEI inventory data was not applicable to Savary Island given the seasonal nature of the island's population. To develop baseline data for Savary Island, regional district planning staff collaborated with BC Hydro to develop and conduct a community energy use survey and calculated greenhouse gas emissions. Baseline data will be used to measure progress toward reaching GHG emissions reduction targets with have been set out in each of the Official Community Plans in the region.</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:	<i>In Progress</i>
Additional Information:	<i>All of the Official Community Plans (OCPs) in the Powell River Regional District now include greenhouse gas (GHG) emissions reduction targets, as well as policies and actions to achieve those targets. GHG emissions reduction targets are unique to each of the different OCPs. Targets set out in the Electoral Area B OCP and 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, Lang Bay and/or Myrtle Pond service area. Targets set out 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. Targets set out in the Lund OCP include; reduce GHG emissions by 33% by the year 2020; and increase ridership on regional transit. The target set in the Texada Island OCP is to 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	<i>Broad Planning</i> (e.g. creation/revision of OCPs, CEPs, transportation plans)
Actions Taken This Year	<i>Planning staff reviewed the CEEI inventory profile for the unincorporated areas of this RD. Using CEEI inventory data and population data, planning staff prepared baseline data on community energy use and greenhouse gas emissions for each of the electoral areas and communities in the region. CEEI inventory data was not applicable to Savary Island, regional district planning staff collaborated with BC Hydro to develop and conduct a community energy use survey and calculate greenhouse gas emissions. Baseline data will be used to measure progress towards reaching GHG emissions reduction targets which have been set out in each of the Official Community Plans in the region.</i>
Proposed Actions for Next Year	<i>The RD will undertake a Regional Transportation Plan in 2013.</i>

Action Type	<i>Building and Lighting</i> (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	<i>Energy Generation</i> (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 RD developed a Regional District Parks and Greenspace Plan which identifies recommendations for the foundation for a parks and greenspace system that will address the long-term needs and interest of the region as a whole, and of its rural communities. Recommendations include: the development of a Parkland Implementation Strategy; a Regional Trails Plan; a Waterfront Access Strategy; and a Backcountry Access Strategy.</i>
Proposed Actions for Next Year	<i>The RD plans to open 17 select waterfront access sites in 2013. The RD has done preliminary work to partner with the Outdoor Recreational Users Group to develop a Regional Trails Plan. Work is also underway to develop formal strategies for each of six parkland acquisition sites. The RD is pursuing its option to operate and maintain a portion of deactivated forest service road as a means to provide backcountry access to the public.</i>

Action Type	Transportation (e.g. developed sustainable transportation plan, completed bicycle master plan)
Actions Taken This Year	<i>Provided extra public transit to community wide events to reduce reliance on personal vehicles. Incorporated policies in the Southern Regional OCP with GHG reduction targets.</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 on bicycle network plan proposal; undertake public education/consultation regarding reduced vehicle use. In 2013 the RD plans to undertake a regional transportation study and plans are under consideration to develop cycling paths from the city to the rural area just south of the city and on Texada Island.</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. The 2012 program include a Zero Waste Conference held in Powell River.</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. In</i>

	<i>2013 the RD will work with the City of Powell River to collect compostable materials from residences. Discussions are also underway to develop a contract proposal for collection of compostable materials from businesses.</i>
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Action Type	<i>Water/Sewer</i> (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	<i>Buildings</i> (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	<i>Energy</i> Generation (e.g. implement district energy, geothermal, solar)
Actions Taken This Year	
Proposed Actions for Next Year	

Action Type	<i>Transportation</i> (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	<i>The RD will undertake a Regional Transportation Study in 2013 and plans are underway to consider the development of bike lanes 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 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. The 2012 program included a Zero Waste Conference held in Powell River.</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. In 2013 the RD will work with the City of Powell River to collect compostable materials from residences. Discussions are also underway to develop a contract proposal for collection of compostable materials from businesses. The objective is to determine if there is enough material to construct a central composting facility in the RD.</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	<i>The RD developed a Parks and Greenspace Plan. The plan includes a parks acquisition strategy.</i>
Proposed Actions for Next Year	<i>The Parks and Greenspace Committee is committed to opening public beach accesses and to develop a parks acquisition strategy in 2013.</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	<i>The Powell River Regional District has developed a Parks and Greenspace Plan which includes the opening of some public beach access and will develop a parks acquisition strategy in 2013</i>

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>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. The RD will hire a consultant to develop a GHG reduction strategy in 2013.</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 excel spreadsheets to track and report 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)
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Actions Taken This Year	<i>To make its buildings more energy efficient, the RD installed green technology exhaust removal systems in the RD's Northside and Malaspina Fire Departments; installed a water cistern system at the Northside Fire Hall to reduce water consumption and associated GHG emissions; and installed a hot water on demand system at the Northside Fire Hall.</i>
Proposed Actions for Next Year	<i>The RD will continue its building retrofit program in 2013. 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)
Actions Taken This Year	<i>The RD provided extra public transit to community events to reduce reliance on personal vehicles.</i>
Proposed Actions for Next Year	<i>The RD will investigate the feasibility of expanded public transit in the rural areas and work with the local cycling association on a bicycle network plan proposal. The RD will work with the City of Powell River and Tla'amin Nation to encourage alternative modes of transportation - take the bus, carpool, ride, bike, etc...</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	

Year	
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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 green technology exhaust removal systems in the RD's Northside and Malaspina Fire Departments; installed a water cistern system at the Northside Fire Hall to reduce water consumption and associated GHG emissions; and installed a hot water on demand system at the Northside Fire Hall.</i>
Proposed Actions for Next Year	<i>The RD will continue its building retrofit program in 2013. 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)
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	
Proposed Actions for Next Year	

Action Type	Water/Sewer (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	

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>	82.7
<i>Emissions from contracted services</i>	120
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>	203

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 is investigating 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, 2013.