

Supporting Template

For the *2015 CARIP Climate Action/Carbon Neutral Progress Survey*

This year's CARIP reporting process consists of a single online survey – the *2015 CARIP Climate Action/Carbon Neutral Progress Survey* – that combines the two surveys from last year into one. The 2015 survey has been simplified to make reporting easier.

Local governments are required to submit the *2015 CARIP Climate Action/Carbon Neutral Progress Survey* on or before June 1, 2016.

Local governments are also required to publicly report the information submitted in the *2015 CARIP Climate Action/Carbon Neutral Progress Survey*. There are three ways a local government can report to the public, including using:

- the report generated by the *2015 CARIP Climate Action/Carbon Neutral Progress Survey* (*FluidSurveys™* software),
- a report based on the populated supporting template provided to local governments, or,
- a report in another format that contains the information submitted in the *2015 CARIP Climate Action/Carbon Neutral Progress Survey*.

In response to local government input, this supporting template has been created to assist with collecting information for the *2015 CARIP Climate Action/Carbon Neutral Progress Survey*, and follows the same structure.

Responses entered into the template can be cut and pasted into the survey. The survey asks for up to five actions in each category, and there is a place in the survey to report additional actions if desired. In the template, simply add more lines to the tables to report more than five actions.

Use of the template is **optional**. Local governments may choose to edit the populated template and use it for their public report, as an alternative to the report generated by the *2015 CARIP Climate Action/Carbon Neutral Progress Survey*.

Further information on CARIP can be found on the [Ministry of Community Sport and Cultural Development's website](#).

Climate Action Revenue Incentive (CARIP) Public Report for 2015

Local Government:

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Date: May 27, 2016

The Powell River Regional District has completed the 2015 Climate Action Revenue Incentive Program (CARIP) Public Report as required by the Province of BC. The CARIP report summarizes actions taken in 2015 and proposed for 2016 to reduce corporate and community-wide energy consumption and greenhouse gas emissions (GHG) and reports on progress towards achieving carbon neutrality. There is also an opportunity to report on climate adaptation actions.

2015 BROAD PLANNING ACTIONS

Broad Planning Actions

Broad planning refers to high level planning that sets the stage for GHG emissions reductions, including plans such as Official Community Plans, Integrated Community Sustainability Plans, Climate Action Plans or Community Energy Emissions Plans. Land use planning that focuses on Smart Growth principles (compact, complete, connected, centred) plays an especially important role in energy and GHG reduction.

Community-Wide Actions Taken in 2015	
	Electoral Area A Official Community Plan (OCP) completed in December 2015. This OCP applies to a previously unplanned electoral area and includes climate change policies, GHG emission reduction targets and GHG emission reduction actions.
Community-Wide Actions Proposed for 2016	
	Electoral Area D Official Community review and update will include update of climate change policies, GHG emission reduction targets and GHG emission reduction actions.

Corporate Actions Taken in 2015	
	Powell River Regional District (PRRD) Strategic Plan 2015-2018 completed and adopted by the Regional Board in 2015. The Strategic Plan identified five corporate strategic priorities for 2015-2018. One of the five strategic priorities is "Climate Change Mitigation and Adaptation". Strategic goals under this priority include: (1) develop a program for lowering our carbon footprint; (2) implement solid waste management plan; and (3) continue natural hazard identification to promote public safety and environmental protection. There are a number of strategic actions identified under each of the goals.
	Detailed planning of a landfill closure and resource recovery center project with local budgeted funding as well as grant application to the strategic priorities fund.
	Third phase Padgett Road bike and pedestrian lane completed totalling 3,432 meters for all 3 phases.
Corporate Actions Proposed for 2016	
	Organics diversion from the waste stream budgeted in 2016 with planned pilot implementation

	September 01 2016.
	Solid Waste Management Plan update budgeted for 2016 that will further detail opportunities and initiatives for the Powell River Regional District to make headway in achieving its goal of zero waste.
	Construction and implementation of mobile dish washing station for local events enabling dishwashing and reuse of dishes as opposed to single use plates, forks, knives etc.
	Engage GHG reductions qualified professionals to assess Regional District properties and recommend improvements by priority budgeted for 2016.
	Asset management inventory initiated in 2016 that will be inclusive of all assets inclusive of trees and forests within the Regional District.

Snapshot Questions	
What GHG reduction targets are included in your local government’s Official Community Plan or Regional Growth Strategy?	Yes
Are you familiar with the Community Energy and Emission Inventory (CEEI)?	Yes
Does your local government use the Community Energy and Emissions Inventory (CEEI) to measure progress?	Yes
Which of the following does your local government use to guide climate action implementation?	
• Community Energy and Emissions (CEE) Plan	No
• Climate Action Plan	No
• Integrated Community Sustainability Plan	No
• Official Community Plan (OCP)	Yes
• Regional Growth Strategy (RGS)	No
• Other:	No
Does your local government have a climate action reserve fund?	No
Does your local government have a Corporate Climate Action Plan?	No

2015 BUILDINGS AND LIGHTING ACTIONS

Building and Lighting Actions

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 when calculated over the long term. This category also includes reductions realized from energy efficient street lights and lights in parks or other public spaces.

Community-Wide Actions Taken in 2015	

Community-Wide Actions Proposed for 2016	
	The Regional District will undertake a study to develop a corporate greenhouse gas reduction strategy.

Corporate Actions Taken in 2015	
Corporate Actions Proposed for 2016	

2015 ENERGY GENERATION ACTIONS

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.

Community-Wide Actions Taken in 2015	
Community-Wide Actions Proposed for 2016	

Corporate Actions Taken in 2015	
Corporate Actions Proposed for 2016	

Snapshot Questions	
Is your local government developing, or constructing a district energy project?	No
Is your local government operating a district energy system?	No
Is your local government developing or constructing a renewable energy project?	No
Is your local government operating a renewable energy project?	No
Are you aware of the Integrated Resource Recovery guidance page on the BC Climate Action Toolkit (insert link here)?	No

2015 GREENSPACE/ NATURAL RESOURCE PROTECTION ACTIONS

Greenspace/Natural Resource Protection refers to the creation of parks and greenways, boulevards, community forests, urban agriculture, riparian areas, gardens, recreation/school sites, and other green spaces, such as remediated brownfield/contaminated sites as well as the protection of wetlands, waterways and other naturally occurring features.

Community-Wide Actions Taken in 2015	

Community-Wide Actions Proposed for 2016	

Corporate Actions Taken in 2015	

Corporate Actions Proposed for 2016	

Snapshot Question	
Does your local government have urban forest policies, plans or programs?	No

2015 SOLID WASTE ACTIONS

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.

Community-Wide Actions Taken in 2015	
	\$100,000 education program focusing on BC stewardship programs and accepted materials.
	The Resource Recovery Center grant application targeted at 60% diversion from the current waste stream.
Community-Wide Actions Proposed for 2016	

	\$100,000 education program focusing on organics diversion from the waste stream.
	Community engagement and education for the approval of building a resource recovery center to divert 60% of the current waste stream.
	Launch of an organics diversion pilot project September 1, 2016.
	Solid Waste Management Plan update with focus on zero waste goals inclusive of construction and demolition waste reduction.

Corporate Actions Taken in 2015	
Corporate Actions Proposed for 2016	

Snapshot Questions	
Does your local government have construction and demolition waste reduction policies, plans or programs?	No
Does your local government have organics reduction/diversion policies, plans or programs?	Yes

2015 TRANSPORTATION ACTIONS

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.

Community -Wide Actions Taken in 2015	
	Phase 3 of active transportation infrastructure (cycling and walking path) developed in Electoral Area B (along Padgett Road).

Community-Wide Actions Proposed for 2016	
	Phase 4 of active transportation infrastructure (cycling and walking paths) to be developed in Electoral Area B (along Padgett Road).

Corporate Actions Taken in 2015	
	Phase 3 completed of the Padgett road bicycling and pedestrian pathway completing 3,432 meters to date.

Corporate Actions Proposed for 2016	
	Phase 4 of active transportation infrastructure (cycling and walking paths) to be developed in Electoral Area B (along Padgett Road).

Snapshot Questions	
Does your local government have policies, plans or programs to support: <ul style="list-style-type: none"> • Walking • Cycling • Transit Use • Electric Vehicle Use • Other 	Yes Yes Yes Yes Yes
Does your local government have a transportation demand management (TDM) strategy (e.g. to reduce single-vehicle occupancy trips, increase travel options, provide incentives to encourage individuals to modify travel behavior)?	No
Does your local government have policies, plans or programs to support local food production (thus reducing transportation emissions)?	Yes

2015 WATER AND WASTEWATER ACTIONS

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.

Community-Wide Actions Taken in 2015	
	Completion of Myrtle water system upgrades providing higher quality safe drinking water to our customers using less energy than previous system.
	Lund Sewer system priority items complete inclusive of meter installation to track outfall volumes. Pump replacements and rebuilds to provide for system resilience and improved energy efficiency. Repairs to number 1 lift station remedying salt water infiltration during king tides reducing pump running time, risk of corrosion to treatment facility and loss of bacteria.
Community-Wide Actions Proposed for 2016	

Corporate Actions Taken in 2015	
Corporate Actions Proposed for 2016	

Snapshot Questions	
Does your local government have water conservation policies, plans or programs?	No

2015 CLIMATE CHANGE ADAPTATION ACTIONS

Climate Change Adaptation

For local governments, adaptation to a changing climate can take the form of changes in policy, management, technology and behaviour that minimize negative impacts or exploit opportunities. It can involve both “hard” and “soft” solutions, including: changes in infrastructure engineering, planning, zoning, bylaws, and public education.

Community-Wide Actions Taken in 2015	
	Lund Sewer system priority items complete inclusive of meter installation to track outfall volumes. Pump replacements and rebuilds to provide for system resilience and improved energy efficiency. Repairs to number 1 lift station remedying salt water infiltration during king tides reducing pump running time, risk of corrosion to treatment facility and loss of bacteria.
	Establish collaborative partnerships with Stewardship Centre for BC (Green Shores for Homes Pilot Project) and UBC (Coastal Indicators Project and Marine Transportation Project) to support policy development and community engagement on climate change adaptation actions. Green Shores for Homes Pilot Project has supported foreshore policy development and delivery of workshops and training for residents, contractors and staff on how the Green Shores for Homes approach can be used to stabilize shorelines from erosion. UBC Coastal Indicators Project and Marine Transportation Project will support climate change adaptation planning and promotion of community resiliency.
Community-Wide Actions Proposed for 2016	
	Electoral Area D Official Community review and update will include update of policies that promote land use and development resilient to predicted long range climate change impacts such as rising sea levels, increasing storm surge, coastal flooding, increasing intensity of rainfall events and increasing periods of drought in summer months.
	Continue to learn about and promote approaches to climate change adaptation across the region through collaborative partnerships formed with Stewardship Centre for BC (Green Shores Program) and UBC (MEOPAR Program).

Corporate Actions Taken in 2015	
	Powell River Regional District (PRRD) Strategic Plan 2015-2018 completed and adopted by the Regional Board in 2015. The Strategic Plan identified five strategic priorities for 2015-2018. One of the five strategic priorities is “Climate Change Mitigation and Adaptation”. Strategic goals under climate change mitigation and adaptation include: (1) develop a program for lowering our carbon

	footprint; (2) implement solid waste management plan; and (3) continue natural hazard identification to promote public safety and environmental protection. There are a number of strategic actions identified under each of the goals.
Corporate Actions Proposed for 2016	
	Continue to implement PRRD Strategic Plan 2015-2018 including strategic action plan for climate change mitigation and adaptation.

Snapshot Questions	
Are you aware of the Plan2Adapt guidance page on the BC Climate Action Toolkit ?	Yes
Are you aware of the <i>Preparing for Climate Change, An Implementation Guide for Local Governments in BC</i> on the BC Climate Action Toolkit ?	Yes
Have you visited the climate change adaptation guidance page on the BC Climate Action Toolkit ?	Yes

2015 OTHER CLIMATE ACTIONS

Other Climate Actions

This section provides local governments the opportunity to report other climate actions that are not captured in the categories above.

Community-Wide Actions Taken in 2015	
Community-Wide Actions Proposed for 2016	

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Corporate Actions Taken in 2015	
Corporate Actions Proposed for 2016	

INNOVATION AND PEER-TO-PEER LEARNING

Innovation

This section provides the opportunity to showcase an innovative Corporate and/or Community-Wide reduction or adaptation activity that your local government has undertaken and that has had a significant impact or has the potential to have a significant impact. Projects included here may be featured as success stories on the B.C. Climate Action Toolkit and/or shared with other local governments to inspire further climate action. Please add links to additional information where possible.

Community-Wide Innovative Action
Corporate Innovative Action

Programs, Partnerships and Funding Opportunities

Local governments often rely on programs, partnerships and funding opportunities to achieve their climate action goals. Please share the names of programs and organizations that have supported your local government's climate actions by listing each entry in the appropriate box below.

Programs and Funding

2015 CARBON NEUTRAL REPORTING

Reporting Emissions

Did you measure your local government's corporate GHG emissions in 2015? (Yes/No)	Yes
If your local government measured 2015 corporate GHG emissions, please report the number of corporate GHG emissions (in tonnes of carbon dioxide equivalent) from services delivered <u>directly</u> by your local government:	55.5
If your local government measured 2015 corporate GHG emissions, please report the number of corporate GHG emissions (in tonnes of carbon dioxide equivalent) from <u>contracted</u> services:	105.0
TOTAL A: CORPORATE GHG EMISSIONS FOR 2015	160.50 tCO₂e

Reporting Reductions and Offsets

To be carbon neutral, a local government must balance their TOTAL corporate GHG emissions by one or a combination of the following actions:

- undertake Option 1 Projects (GCC-supported)
- undertake Option 2 Projects (alternative) community GHG emissions reduction projects that meet project eligibility requirements
- purchase carbon offsets from a credible offset provider

If applicable, please report the 2015 GHG emissions reductions (in tonnes of carbon dioxide equivalent (tCO₂e)) being claimed from Option 1 GHG Reduction Projects:

OPTION 1 PROJECTS	REDUCTIONS
Energy Efficient Retrofits	

Your local government's Corporate GHG Emissions Balance is the difference between total corporate GHG emissions (direct + contracted emissions) and the GHG emissions reduced through GCC Option 1 and Option 2 projects and/or the purchase of offsets.

CORPORATE GHG EMISSIONS BALANCE FOR 2015 = (A – (B+C+D)) = 160.5 tCO₂e

**If your Corporate GHG Emissions Balance is negative or zero,
your local government is carbon neutral.
CONGRATULATIONS!**

GCC CLIMATE ACTION RECOGNITION PROGRAM

Green Communities Committee (GCC) Climate Action Recognition Program

The joint Provincial-UBCM Green Communities Committee (GCC) is pleased to be continuing the Climate Action Recognition Program again this year. This multi-level program provides the GCC with an opportunity to review and publicly recognize the progress and achievements of each Climate Action Charter (Charter) signatory. Recognition is provided on an annual basis to local governments who demonstrate progress on their Charter commitments, according to the following:

Level 1 - Progress on Charter Commitments: for local governments who demonstrate progress on fulfilling one or more of their Charter commitments

Level 2 - Measurement: for local governments who have measured their Corporate GHG Emissions for the reporting year and demonstrate that they are familiar with the Community Energy and Emissions Inventory (CEEI)

Level 3 - Achievement of Carbon Neutrality: for local governments who achieve carbon neutrality in the reporting year.

Based on your local government's 2014 CARIP Public Report, please check the GCC Climate Action Recognition Program level that best applies:

<input type="checkbox"/>	Level 1 - Progress on Charter Commitments	
<input type="checkbox"/>	Level 2 - Measurement	✓
<input type="checkbox"/>	Level 3 - Achievement of Carbon Neutrality	
<input type="checkbox"/>	Not Sure	