



## Climate Action Revenue Incentive Plan (CARIP) Public Report

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***City of Campbell River***  
*Strathcona Regional District*

Reported by  
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## General Information

<b>Name of Local Government</b>	<i>City of Campbell River</i>
Member of Regional District (RD)	<i>Strathcona Regional District</i>
Regional Growth Strategy (RGS) in region	
Population	<i>31,500</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 (CEEI)</i> to measure progress? What else have you been using instead of/in addition to CEEI?
Answer	Yes
Additional Information	The CEEI data was used <i>as part of the data collection for the development of Campbell River's Community Energy and Emissions Plan (CEEP)</i> . The CEEP was adopted in October 2011, and since that time the City has been working on implementing the actions recommended in the CEEP.

### 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 (LGA)</i> ? If yes, please identify the targets set. If no or in progress, please comment.
Answer	Yes
Additional Information	<b>Reduction from 2007 level Community-wide GHG emissions of:</b> 25 % by 2020; 35% by 2040; 40% by 2060  <b>Per Capita GHG Reductions from 2007 levels:</b> 35% by 2020; 55% by 2040; 65% by 2060

## 1.3 Reduce

### Supportive Community-Wide Actions

Action Type	<b>Broad Planning (e.g. creation/revision of OCPs, CEPs, transportation plans)</b>
Actions Taken this Year	<i>CEEP Implementation; Adoption of Master Transportation Plan; Adoption of Sustainable Official Community Plan and Integrated Community Sustainability Plan; Development of Draft Sustainability Checklist for rezoning and development permit applications to be completed</i>
Proposed Actions for Next Year	<i>Continue CEEP and MTP Implementation; Completion of Sustainability Checklist; Complete Walkability Assessment for Downtown</i>

Action Type	<b>Building and Lighting (e.g. developed green building policy, increased density in the downtown)</b>
Actions Taken this Year	<i>Our SOCP has guidelines which encourage passive solar design in new buildings</i>
Proposed Actions for Next Year	<i>Integrate an energy efficiency fee reduction into the Building Bylaw.</i>

Action Type	<b>Energy Generation (e.g. signed on to provincial 'solar ready' regulation, explored options for bioheating for buildings)</b>
Actions Taken this Year	<i>Continued to explore options for a sewage heat recovery project in the downtown core.</i>
Proposed Actions for Next Year	<i>Continue to explore options for sewage heat recovery or biogas projects.</i>

Action Type	<b>Green Space (e.g. developed urban forestry policy, adopted park acquisition policy)</b>
Actions Taken this Year	<i>Parks Master Plan updated; Urban Forest Management Plan underway; MOU signed with DFO for Foreshore Restorations</i>

Proposed Actions for Next Year	Complete <i>Phase 1 Urban Forest Mgmt Plan</i> ; continued beach restorations using soft shores approach
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Action Type	<b>Transportation (e.g. developed sustainable transportation plan, completed bicycle master plan)</b>
Actions Taken this Year	<i>Master Transportation Plan adopted (incorporates multi-modal transportation objectives); downtown cycling/bike planning</i>
Proposed Actions for Next Year	<i>Walkability Assessment Underway for downtown; continued implementation of new cycling lanes and sidewalks</i>

Action Type	<b>Waste (e.g. introduced composting and recycling education programs)</b>
Actions Taken this Year	<i>Participated in the completion of the Regional Solid Waste Management Plan; ran community reality-tv style Compost Challenge and compost rebate program; 160 backyard composters and digesters purchased in Campbell River. Professional videos have been made of the contest and will be aired at the Earth Week Film Festival.</i>
Proposed Actions for Next Year	<i>Exploring feasibility for developing a regional compost facility; provide optional recycling through City services for triplexes and fourplexes; review Product Stewardship Program with MMBC</i>

Action Type	<b>Water/Sewer (e.g. participated in water smart initiatives, implemented Water Action Plan, introduced rebates on low flush toilets)</b>
Actions Taken this Year	<i>Drinking Watershed Management Plan completed;</i>
Proposed Actions for Next Year	<i>Continue water conservation efforts where feasible</i>

### Direct Community-Wide Actions

Action Type	<b>Buildings (e.g. implement use of sustainability checklists and development permit guidelines for new buildings)</b>
Actions Taken this Year	<i>Developed a Draft Sustainability Checklist for Rezoning Applications; Sustainable Official Community Plan introduced passive solar guidelines</i>
Proposed Actions for Next Year	<i>Complete Checklist; present to Builder and Developer's Forum; Update Building Bylaw to offer an energy efficiency incentive for new buildings</i>

Action Type	<b>Energy Generation (e.g. implement district energy, geothermal, solar)</b>
Actions Taken this Year	<i>Participated in the Pembina Institute's Green Building Leader's Program and ran a workshop on energy labelling; installed solar hot water monitoring equipment and a computer screen at the Sportsplex</i>
Proposed Actions for Next Year	<i>Implement Energy Rebate Program to encourage home energy awareness, retrofits, and Energuide labelling as per CEEP; Assess data collection from anemometers to measure wind speed at Phoenix School and Robron Park</i>

Action Type	<b>Transportation (e.g. implement bike lanes, pedestrian paths, upgrade transit service and infrastructure, improve roads, parking fees etc.)</b>
Actions Taken this Year	<i>Began implementing the Master Transportation Plan including: Completed Electric Vehicle Infrastructure Plan; Increased transit service by 2,400 hours providing increased evening service and route improvements; installed additional crosswalks; continued sidewalk infill program; designed Greenways Loop Completion from Jubilee to Maryland (1000 m); participated in Bike to Work Week; installed cycling infrastructure such as bike lanes, way finding signs and facilities; 80 LED street lights installed.</i>
Proposed Actions for Next Year	<i>Install electric vehicle charging stations at 3 locations on municipal land (City Hall, Tyee Plaza, and Dogwood Operations Centre), and work with partners to complete installations in the community at North Island College and Discovery Plaza.</i>

Action Type	<b>Waste (e.g. introduce composting and recycling programs)</b>
Actions Taken this Year	<i>Compost Video Challenge Program run community-wide to encourage backyard composting; 160 composter rebates provided for backyard composters for residents; Earth Week Film Festival had a waste-reduction focus</i>
Proposed Actions for Next Year	<i>The City and SD 72's Annual Earth Week Film Festival will include a focus on waste reduction and energy conservation. This year's recycling initiative focus for the City will be on changes coming through the Provincial Product Stewardship Program for recycling as introduced by Multimaterial BC. The City will also work with the Regional District to explore the feasibility of hosting a regional composting facility.</i>

Action Type	<b>Water/Sewer (e.g. implement water conservation and reduction initiatives)</b>
Actions Taken this Year	<i>Source Water Protection Plan Update and community engagement around drinking water protection; hosted annual clean-up of watershed; Powerful Water Tours for school groups; Noon Hour Rotary and school group tours of Norm Wood Environmental Centre (wastewater treatment centre); Water Demand and Automatic Irrigation Systems Study</i>
Proposed Actions for Next Year	<i>Initiatives will include water main leak detection; completion of the Source Water Protection Plan; ongoing Technical Watershed Committee meetings and update of Liquid Waste Management Plan.</i>

Action Type	<b>Green Space (e.g. plant trees, conserve forest etc.)</b>
Actions Taken this Year	<i>MOU signed with Department of Fisheries and Oceans for Foreshore Protection; Continued Foreshore Restoration Underway including 150m (lineal metres) of City-owned beach restored with approximately 910 cubic yards of sediment from the boat launches and the beach to the north of Big Rock boat ramp nourished with 300 cubic yards of sediment</i>
Proposed Actions for Next Year	<i>Continued foreshore restoration work; target of completing 100m-200m of shoreline restoration annually at high priority City parks; Urban Forest Management Plan development</i>

Action Type	<b>Other Actions</b>
Actions Taken this Year	<i>Developed a Community Garden Policy and ongoing support for local food production courses.</i>
Proposed Actions for Next Year	<i>Adoption of Community Garden Policy</i>

### 1.4 Community Wide Innovation

Question	<b>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.</b>
Answer	<p><i>The adoption of the City's Sustainable Official Community Plan – an integrated planning initiative that included multiple plans, departments and over 1,500 citizens input. <a href="http://www.campbellriver.ca">www.campbellriver.ca</a></i></p> <p><i>Complimentary plans developed as part of this process and adopted by 2012 include:</i></p> <ul style="list-style-type: none"> <li><i>• Integrated Community Sustainability Plan</i></li> <li><i>• Master Transportation Plan</i></li> <li><i>• Transit Futures Plan (endorsed)</i></li> <li><i>• Community Energy and Emissions Plan</i></li> <li><i>• Carbon Neutral Plan</i></li> <li><i>• Agriculture Plan</i></li> <li><i>• Marine Foreshore Habitat Assessment</i></li> <li><i>• Urban Forest Management Plan (underway)</i></li> </ul> <p><i>The City of Campbell River won the UBCM Civic Engagement Award for the Sustainable Official Community Plan process (2011).</i></p>



## Corporate Actions for 2012

### 2.1 Measure

#### Corporate Measurement Actions

Question	<b>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)?</b>
Answer	<i>GHG emissions inventory complete. We have been carrying out inventories since 2008.</i>

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

### 2.2 Reduce

#### Supportive Corporate Actions

Action Type	<b>Broad Planning (e.g. developed corporate climate action plan)</b>
Actions Taken this Year	<i>Implementing the City's Carbon Neutral Plan (including annual GHG inventory)</i>
Proposed Actions for Next Year	<i>Continue implementing the City's Corporate Carbon Neutral Plan (including annual GHG inventory).</i>

Action Type	<b>Building and Lighting (e.g. developed energy reduction plan for all corporate buildings)</b>
Actions Taken this Year	<i>Conducted a boiler replacement assessment for the RCMP station.</i>

Proposed Actions for Next Year	Carry out <i>energy assessments for City facilities that have not received a comprehensive energy audit or upgrades.</i>
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Action Type	<b>Energy Generation (e.g. <i>undertook feasibility study of green energy generation for civic buildings</i>)</b>
Actions Taken this Year	Monitoring <i>wind data at two sites in the City - Robron Park and Phoenix Middle School to assess the viability of a small scale wind turbine demonstration project.</i>
Proposed Actions for Next Year	Consider <i>feasibility of solar hot water at the outdoor pool; continue to explore opportunities for renewable energy pilots including small scale wind and sewage heat recovery</i>

Action Type	<b>Transportation (e.g. <i>created anti-idling policy for city vehicles, bike to work week promotion</i>)</b>
Actions Taken this Year	Participated <i>in Bike to Work Week</i>
Proposed Actions for Next Year	Participate <i>in Bike to Work Week; develop communication material to encourage transit use</i>

Action Type	<b>Waste(e.g. <i>completed waste audit of City Hall</i>)</b>
Actions Taken this Year	Carried out <i>waste reduction education for staff through City Green Team.</i>
Proposed Actions for Next Year	Deliver <i>waste reduction education for staff as feasible.</i>

Action Type	<b>Water/Sewer (e.g. completed study of sewer and water energy use)</b>
Actions Taken this Year	Reviewed <i>energy use for water facilities; water conservation education for staff through City Green Team.</i>
Proposed Actions for Next Year	Review <i>energy savings following the upgrade to the blower at Norm Wood Environmental Centre (wastewater treatment facility).</i>

### Direct Corporate Actions

Action Type	<b>Building and Lighting (e.g. energy efficiency retrofits to municipal buildings )</b>
Actions Taken this Year	Lighting <i>upgrades completed at majority of City facilities; light tubes installed at Dogwood Operations Centre</i>
Proposed Actions for Next Year	Continue <i>with energy efficiency upgrades to City facilities.</i>

Action Type	<b>Energy Generation (e.g. implemented heat recovery systems, solar)</b>
Actions Taken this Year	Installed <i>solar hot water monitoring device at Sportsplex</i>
Proposed Actions for Next Year	Review <i>performance of solar hot water system; explore implementation of solar hot water for outdoor pool</i>

Action Type	<b>Fleet (e.g. anti-idling policies for fleet vehicles, purchasing of hybrid)</b>
Actions Taken this Year	<i>Continued fleet replacement with new hybrid vehicles.</i>
Proposed Actions for Next Year	<i>Acquire 1 to 2 electric vehicles for City fleet; promote transit use by staff</i>

Action Type	<b>Waste (e.g. introduction of composting and recycling programs and education)</b>
Actions Taken this Year	<i>Installed multi-bins for public recycling at all City facilities; promoted composting at City facilities.</i>
Proposed Actions for Next Year	<i>Assist with education around the new Product Stewardship Program; provide waste reduction education for staff.</i>

Action Type	<b>Water/Sewer (e.g. initiated water conservation and reduction initiatives)</b>
Actions Taken this Year	<i>Provide tours for staff of water and wastewater facilities, including education on conservation measures</i>
Proposed Actions for Next Year	<i>Continue tours for staff of water and wastewater facilities, including education on conservation measures</i>

Action Type	<b>Green Space (e.g. planting of trees )</b>
Actions Taken this Year	<i>Continued with Foreshore Restoration works and street tree replacement initiatives.</i>
Proposed Actions for Next Year	<i>Continue with Foreshore Restoration works, beach nourishment and street tree replacement initiatives as feasible.</i>

## 2.3 Corporate Innovations

Question	<b>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.</b>
Answer	<i>The City of Campbell River adopted its Foreshore Management Plan in 2011 and has been utilizing a green shores approach of working with nature to repair our shorelines. The City also signed an MOU with the Department of Fisheries and Oceans to allow the City to undertake foreshore restoration projects that follow the Foreshore Management Plan. This is a model for other coastal communities. For more information visit: <a href="http://www.campbellriver.ca">www.campbellriver.ca</a></i>

# Carbon Neutral Progress Reporting

Tonnes CO2e

Annual corporate emissions using SMARTTool or equivalent inventory tool	1511
<i>Emissions from services delivered directly by the local government</i>	1045
<i>Emissions from contracted services</i>	466
	0
Less:	
GHG reductions being claimed for this reporting year from Option 1 - GHG reduction project	
<i>Energy Efficient Building Retrofits and Fuel Switching</i>	0
<i>Solar Thermal</i>	0
<i>Household Organic Waste Composting</i>	0
<i>Low Emissions Vehicles</i>	0
	0
Less:	
GHG reductions being claimed for this reporting year from Option 2 - GHG reduction projects	
<i>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)</i>	
	0
Less:	
Offsets purchased for this reporting year (Option 3). Please identify your offset provider in the offset provider information section below.	
	1511
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>	

## Making Progress on Your Carbon Neutral Commitment

Question	<b>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.</b>
Answer	<p>The City of Campbell River has taken the following actions toward achieving carbon neutrality:</p> <ol style="list-style-type: none"><li>1) The City has completed greenhouse gas emissions inventories for 2008 to 2012. The 2012 inventory includes contracted services.</li><li>2) The City is establishing a Carbon Neutral Reserve Fund for community projects that assist with greenhouse gas emission reductions. On annual basis the City will contribute the equivalent amount of money that would otherwise be required to purchase offsets, as the Provincial price of carbon/tonne as followed by the Pacific Carbon Trust. For example, for 2012 the City will contribute \$25/tonne of greenhouse gas emissions toward the City's Carbon Neutral Reserve Fund for a total of \$37,575.</li><li>3) The City has developed a Corporate Carbon Neutral Plan and a Community Energy and Emissions Plan and is in the process of implementing these plans through a variety of measures to reduce GHG emissions from buildings, fleet/transportation and solid waste. The City has completed extensive energy retrofits to several City facilities, installed solar hot water at four municipal buildings, has a Green Roof on City Hall, participates in the Green Fleet program and replaces City vehicles with hybrids and plans to extend this to electric vehicles. The City also offers recycling at all City facilities and encourages composting at facilities where feasible.</li></ol>