

# Climate Action Revenue Incentive Program (CARIP) Public Report

## Climate Action Revenue Incentive (CARIP)

### Public Report for YEAR 2013



[penticton.ca](http://penticton.ca)

City of Penticton

Okanagan-Similkameen

#### Report Submitted by

Audrey Tanguay

Senior Planner

[audrey.tanguay@penticton.ca](mailto:audrey.tanguay@penticton.ca)

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#### General Information

<b>Name of Local Government</b>	City of Penticton
<b>Member of Regional District (RD)</b>	Okanagan-Similkameen
<b>Regional Growth Strategy (RGS) in region</b>	Yes
<b>Population</b>	33,000

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## Community Wide Actions for 2013

### 1.1 Measure

#### Community Wide Measurement Actions

<b>Question</b>	Have you been using the Community Energy and Emissions Inventory (CEEI) to measure progress? What else have you been using instead of/in addition to CEEI?
<b>Answer</b>	Yes
<b>Additional Information</b>	

### 1.2 Plan

#### Community Wide Targets

<b>Question</b>	Does 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.
<b>Answer</b>	Yes
<b>Additional Information</b>	The City of Penticton, working with community members, aims to reduce community-wide GHG emissions by: 5% from 2007 levels by 2020 and 10% from 2007 levels by 2030

### 1.3 Reduce

#### Supportive Community Wide Actions

<b>Action Type</b>	Broad Planning
<b>Actions Taken this Year</b>	City developed an On-Bill Loan Repayment Program to fund home-owner Energy Efficiency upgrades. Continue to explore <i>Pay as You Go</i> for lighting Tennis Courts and other facilities. Additional LED street lighting installations. The multi-phase Downtown Penticton revitalization process began with \$1.25 million approved to refurbish the Martin Street-Westminster Avenue-Winnipeg Street area.

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<b>Proposed Actions for Next Year</b>	Continue working on the Downtown Penticton Revit Program Construction underway for the Martin Street, Winnipeg Street and Wesminster Avenue program

<b>Action Type</b>	<b>Building and Lighting</b>
<b>Actions Taken this Year</b>	Phase 2 of Generation Feasibility Study looking specifically at Randolph Irrigation option.
<b>Proposed Actions for Next Year</b>	

<b>Action Type</b>	<b>Energy Generation</b>
<b>Actions Taken this Year</b>	Supported community gardens
<b>Proposed Actions for Next Year</b>	Looking at the feasibility of developing an urban forestry plan - Support community gardens-and Support backyard chickens program

<b>Action Type</b>	<b>Green Space</b>
<b>Actions Taken this Year</b>	Approve and implement Bike Network Plan.
<b>Proposed Actions for Next Year</b>	

<b>Action Type</b>	<b>Transportation</b>
<b>Actions Taken this Year</b>	Expand recycling program to include public recycling of bottles, etc in City facilities/Parks during events.
<b>Proposed Actions for Next Year</b>	Continue improving recycling programs

Action Type	Waste
<b>Actions Taken this Year</b>	Ongoing water source assessment. Awarded BCWWA grant for promoting additional Drinking Water Week activities (drinkingwaterweek.org). Continue to participate in OBWB working group regarding "Make Water Work" campaign (obwb.ca)
<b>Proposed Actions for Next Year</b>	Ongoing water source assessment

Action Type	Water/Sewer
<b>Actions Taken this Year</b>	
<b>Proposed Actions for Next Year</b>	

Action Type	Other Actions
<b>Actions Taken this Year</b>	
<b>Proposed Actions for Next Year</b>	

#### Direct Community Wide Actions

Action Type	Buildings
<b>Actions Taken this Year</b>	Supported Okanagan Energy Diet /Installed FortisBC SWITCH OFF stickers on light switches.
<b>Proposed Actions for Next Year</b>	Continuing the support for the Energy Diet Program and the City's Energy Loan program

Action Type	Energy Generation
<b>Actions Taken this Year</b>	Expanded Bike Lane. Purchased smaller/right sized bus. Promoted Carpool.ca.

<b>Proposed Actions for Next Year</b>	Continue working on Bike lane and promoting public transit/carpool
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<b>Action Type</b>	<b>Transportation</b>
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<b>Actions Taken this Year</b>	Added bottle/can recycling receptacles at City beaches Recycled furniture using recycled plastic "
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<b>Proposed Actions for Next Year</b>	Explore recycled battery drop off centre for community
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<b>Action Type</b>	<b>Waste</b>
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<b>Actions Taken this Year</b>	Utilities Dept. provided water restriction magnets and other materials to those new accounts. Provided materials for RBC Blue Water Day. Displayed Water Restriction bus shelter signs. Participated in BCWWA Drinking Water Week with bus bench signs and promotion. Promoted OBWB Water Challenge/Contest focussing on engaging residents to reduce water waste. Promoted over 750 Tap by Tap Energy Saving Kits in collaboration with FortisBC, Okanagan Waterwise and City Green.
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<b>Proposed Actions for Next Year</b>	
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<b>Action Type</b>	<b>Water/Sewer</b>
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<b>Actions Taken this Year</b>	<ul style="list-style-type: none"> <li>• Planted 30 trees and 150 shrubs along KVR trail w/ student volunteers</li> <li>• Planted 50 tree seedlings in Park with local Scouts volunteer group</li> <li>• Planted 14 trees and 200 shrubs along Ellis Creek with volunteer group, (environmental restoration)</li> <li>• Upgraded park irrigation systems with satellite controllers (water savings, fuel savings, efficiencies)</li> </ul> <p>The City of Penticton is a proud TD Green Streets program participant. In an effort to improve the urban forest within our city, Penticton was granted \$12,000 in 2013 to plant tree and shrubs and to promote the benefits of trees in our cityNew Horizon's for Senior's Program Federal Grant to purchase outdoor fitness equipment targeted for older adults to be installed at Skaha Park. TD Trees planted thru Parks along linear park. Used recycled tires, thru Grants, to expand Lakeshore Walkway along Okanagan Lake."</p>
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<b>Proposed Actions for Next Year</b>	Working on Carbon Sequestration project on three blind mice , Draft Tree Protection Bylaw
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<b>Action Type</b>	<b>Green Space</b>
<b>Actions Taken this Year</b>	
<b>Proposed Actions for Next Year</b>	

<b>Action Type</b>	<b>Other Actions</b>
<b>Actions Taken this Year</b>	
<b>Proposed Actions for Next Year</b>	

<b>Question</b>	<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>
<b>Answer</b>	

## Corporate Actions for 2013

### 2.1 Measure

#### Corporate Measurement Actions

<b>Question</b>	What steps has your local government taken toward completing its corporate emissions inventory?
<b>Answer</b>	Continued implementation of Strategic Energy Management Plan

<b>Question</b>	What tool are you using to measure, track and report on your corporate emissions?
<b>Answer</b>	SMARTTool

### 2.2 Reduce

#### Supportive Corporate Actions

<b>Action Type</b>	Broad Planning
<b>Actions Taken this Year</b>	RFP- 13 - Energy Savings and Life Cycle Costing included in Facilities Master Plan RFP
<b>Proposed Actions for Next Year</b>	Complete Facilities Master Plan Recommendations

<b>Action Type</b>	Building and Lighting
<b>Actions Taken this Year</b>	Completed Energy Audit on selected facilities
<b>Proposed Actions for Next Year</b>	Complete Facilities Master Plan Recommendations

<b>Action Type</b>	Energy Generation
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<b>Actions Taken this Year</b>	Purchased new mower with wider deck cut mowing/ fuel consumption down from five days a week to three. Promoted Bike to Work and Carpool.ca Week. Promoted fleet Smart Driver on Intranet.
<b>Proposed Actions for Next Year</b>	Purchase a new hybrid vehicle, promote fleet smart driver program

<b>Action Type</b>	Transportation
<b>Actions Taken this Year</b>	Completed Stormwater Planning Final Report, April 2013 ( <a href="http://www.penticton.ca/assets/Departments/Documents/FINAL%20Penticton%20Storm%20Water%20Report.pdf">www.penticton.ca/assets/Departments/Documents/FINAL%20Penticton%20Storm%20Water%20Report.pdf</a> ) Promoted recycling at City Facilities including arena, Yards, City Hall and Community Centre. Upgraded to Agresso software resulting in paperless payroll.
<b>Proposed Actions for Next Year</b>	Complete Recommendation of the Storm water Final Report

<b>Action Type</b>	Water/Sewer
<b>Actions Taken this Year</b>	Became the 2nd municipality in BC to achieve Milestone 4 in Climate Action Planning. Launched ebilling for Water and Electric accounts ( <a href="http://www.penticton.ca/assets/City~Hall/Documents/2013%20-%20Q3%20Quarterly%20Report.pdf">www.penticton.ca/assets/City~Hall/Documents/2013%20-%20Q3%20Quarterly%20Report.pdf</a> )
<b>Proposed Actions for Next Year</b>	Working on Achieving Milestone 5

<b>Action Type</b>	Other Actions
<b>Actions Taken this Year</b>	
<b>Proposed Actions for Next Year</b>	

### Direct Corporate Actions

<b>Action Type</b>	Building and Lighting
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<b>Actions Taken this Year</b>	<p>"In 2012, The City tendered a feasibility study to determine if there is a business case for the City to build and operate its own micro hydro generation plant and or its own natural gas or waste wood powered electrical generator (<a href="http://www.penticton.ca/assets/Business/2012-RFQ-07-Electricity%20Generation%20Feasability%20Study.pdf">www.penticton.ca/assets/Business/2012-RFQ-07-Electricity%20Generation%20Feasability%20Study.pdf</a>) and in 2013, the Electrical Dept. engaged a Consultant to complete Micro Hydro Phase 2 Due Diligence Report (<a href="http://www.penticton.ca/assets/City~Hall/Documents/2013%20-%20Q3%20Quarterly%20Report.pdf">www.penticton.ca/assets/City~Hall/Documents/2013%20-%20Q3%20Quarterly%20Report.pdf</a>). The Utility is increasing the distribution system voltage from 8230 volts to 12,470 volts in order to increase load capacity and lower line losses . (<a href="http://www.penticton.ca/EN/main/departments/electricity/current-projects.html">www.penticton.ca/EN/main/departments/electricity/current-projects.html</a>) Installed LED street fixtures at Okanagan Lake West (phase 1 and 2 complete) (<a href="http://www.penticton.ca/assets/City~Hall/Documents/2013%20-%20Q3%20Quarterly%20Report.pdf">www.penticton.ca/assets/City~Hall/Documents/2013%20-%20Q3%20Quarterly%20Report.pdf</a>)"</p>
<b>Proposed Actions for Next Year</b>	<p>Increased Demand Side Management Budget by \$15 000 (<a href="http://www.penticton.ca/assets/Departments/Documents/18_Dept-Electrical-Street%20Light-Traffic%20Signal.pdf">http://www.penticton.ca/assets/Departments/Documents/18_Dept-Electrical-Street%20Light-Traffic%20Signal.pdf</a>)</p>

Action Type	Energy Generation
<b>Actions Taken this Year</b>	<p>Promoted "Thinking Driver Tailgate Topics and Tips"/"Smart Driver in the City" on intranet. Installed larger litter receptacles requiring less frequent servicing (fuel savings). The Utility is in the second year of a three year accelerated AMR deployment project. By the end of 2012, 98% of the Utility's electric meter population was converted to AMR meters, resulting in more efficient use of the drive-by meter reading system (<a href="http://www.penticton.ca/EN/main/departments/electricity/current-projects.html">www.penticton.ca/EN/main/departments/electricity/current-projects.html</a>). Bike to Work Week and Carpool.ca participation and sponsorship. Smart Driver training program being developed</p>
<b>Proposed Actions for Next Year</b>	

Action Type	Fleet
<b>Actions Taken this Year</b>	<p>Explored Corporate Composting program with nearby, existing Hospitality Industry program. Added rechargeable batteries and chargers to procurement stream. Participated in Battery Recycling Program. Explored recycling options for used cell phones. Implemented waste diversion program at City Hall, Arena, Yards, Community Ctre, WTP and AWWTP diverting both recyclables and refundable containers (which are donated to charities such as SPCA and Girl Guides)</p>
<b>Proposed Actions for Next Year</b>	<p>Compost Site upgrade final draft to be submitted to Council (<a href="http://www.penticton.ca/assets/City~Hall/Documents/2013%20-%20Q3%20Quarterly%20Report.pdf">www.penticton.ca/assets/City~Hall/Documents/2013%20-%20Q3%20Quarterly%20Report.pdf</a>)</p>

Action Type	Waste
<b>Actions Taken this Year</b>	<p>"At AWWTP, replaced HVAC with efficient model (<a href="http://www.penticton.ca/assets/City~Hall/Documents/2013%20-%20Q3%20Quarterly%20Report.pdf">www.penticton.ca/assets/City~Hall/Documents/2013%20-%20Q3%20Quarterly%20Report.pdf</a>) and replaced some indoor HPS lamps with T-5's and replaced 8 old (1990) outside wall packs with LED wall packs. At WTP, ten new two lamp T5 4 foot fixtures were installed P to replace ten old 8 foot high output 2 lamp slotted industrial fixtures.</p> <p>RFP 15 - AWWTP Fermenter. ""Consultant shall explore grant options... focusing on environmental and technological advancements"" (<a href="http://www.penticton.ca/EN/main/business/tenders-rfps/2013-rfp-15-fermenter-replacement-advanced-waste-water-treatment-plant.html">www.penticton.ca/EN/main/business/tenders-rfps/2013-rfp-15-fermenter-replacement-advanced-waste-water-treatment-plant.html</a>). Launched e-billing for Water billing to send PDF via email (<a href="http://www.penticton.ca/assets/City~Hall/Documents/2013%20-%20Q3%20Quarterly%20Report.pdf">www.penticton.ca/assets/City~Hall/Documents/2013%20-%20Q3%20Quarterly%20Report.pdf</a>)"</p>
<b>Proposed Actions for Next Year</b>	

Action Type	Water/Sewer
<b>Actions Taken this Year</b>	Cemetery master Plan submitted to Council. Irrigation upgrading started.
<b>Proposed Actions for Next Year</b>	Penticton Parks Master Plan scheduled. Irrigation upgrading to be completed (72% completed) ( <a href="http://www.penticton.ca/assets/City~Hall/Documents/2013%20-%20Q3%20Quarterly%20Report.pdf">www.penticton.ca/assets/City~Hall/Documents/2013%20-%20Q3%20Quarterly%20Report.pdf</a> )

Action Type	Green Space
<b>Actions Taken this Year</b>	Review of City Hall office space needs completed, including a view to energy reduction using natural light
<b>Proposed Actions for Next Year</b>	

Action Type	Other Actions
<b>Actions Taken this Year</b>	

**Proposed  
Actions for  
Next Year**

## 2.3 Corporate 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**

## Carbon Neutral Progress Reporting

### 3.1 Carbon Neutral Progress Reporting

Emissions/Offsets	Tonnes CO2e
<b>Annual corporate emissions using SMARTTool or equivalent inventory tool</b>	<b>1513</b>
<i>Emissions from services delivered directly by the local government</i>	
<i>Emissions from contracted services</i>	400
<b>Less:</b> GHG reductions being claimed for this reporting year from Option 1 - GHG reduction project	<b>0</b>
<i>Energy Efficient Building Retrofits and Fuel Switching</i>	
<i>Solar Thermal</i>	
<i>Household Organic Waste Composting</i>	
<i>Low Emissions Vehicles</i>	
<b>Less:</b> GHG reductions being claimed for this reporting year from Option 2 - GHG reduction projects	<b>0</b>
<i>Option 2 Project A</i>	
<i>Option 2 Project B</i>	
<i>Sum of Other Option 2 Projects (if you have added projects below)</i>	<b>0</b>
<b>Less:</b> <i>Offsets purchased for this reporting year (Option 3). Please identify your offset provider in the offset provider information section below.</i>	
<b>Balance of corporate emissions for this reporting year.</b> <i>(If the corporate emissions balance is zero, your local government is carbon neutral for this reporting year)</i>	<b>1513</b>
<b>Additional "Option 2" Projects</b>	
<i>Option 2 Project C</i>	
<i>Option 2 Project D</i>	
<i>Option 2 Project E</i>	
<i>Option 2 Project F</i>	
<i>Option 2 Project G</i>	
<i>Option 2 Project H</i>	

### 3.2 Making Progress on Your Carbon Neutral Commitment

<b>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</b>	Through Carbon Sequestration Project on Three Blind Mice



### 3.3 Offset Provider Information

**Question** Please Identify the name(s) of your offset provider(s) (Please answer below):

**Answer**

**Question** The offsets being claimed in this CARIP Report were purchased from the offset provider(s) indicated above prior to making this CARIP report public (please indicate yes or no):

**Answer**

**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**