

Climate Action Revenue Incentive Program (CARIP) Public Report

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Public Report for 2013

City of Pitt Meadows
Metro Vancouver



Report Submitted by

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General Information

Name of Local Government	City of Pitt Meadows
Member of Regional District (RD)	Metro Vancouver
Regional Growth Strategy (RGS) in region	Yes
Population	18,648

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Community Wide Actions for 2013

1.1 Measure

Community Wide Measurement Actions

Question	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?
Answer	Yes
Additional Information	<p>Yes, the city has adopted the Community Energy and Greenhouse Gas Emissions Plan. The Community Energy and Greenhouse Gas Emissions Plan includes a reduction target of 13%. The City uses a consultant's software for reporting on greenhouse gas emissions.</p> <p>2011 Community Energy and Greenhouse Emissions Plan</p>

1.2 Plan

Community Wide Targets

Question	Does 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>The Community Energy and Greenhouse Gas Emissions Plan includes a reduction target of 13%. The Official Plan also includes a reduction target of 13% in section 4.1.7, as per Bylaw 2457 (2010).</p> <p>2011 Community Energy and Greenhouse Emissions Plan</p> <p>Official Community Plan</p>

1.3 Reduce

Supportive Community Wide Actions

Action Type	Broad Planning
Actions Taken this Year	<ul style="list-style-type: none"> • Finalize Housing Action Plan • Official Community Plan Update • Community-wide Parking Strategy • Modified regional context statements to align with metro Vancouver. This process produced maps that clarified boundaries for development and reflect the City's movement towards further densification. • Completed Transportation Master Plan • Completed Pedestrian and Cycling Master Plan • Continued implementation of action from Community Energy & Greenhouse Gas Emissions Plan
Proposed Actions for Next Year	<ul style="list-style-type: none"> • Assess the findings of the Community Sustainability Technical Advisory Committee's Report and develop a strategy for the findings.

Action Type	Building and Lighting
Actions Taken this Year	<ul style="list-style-type: none"> • Further densification in urban core encouraging walkability, cycling and transit • Support LiveSmart BC Energy Efficiency Audit program for Businesses • finalized housing action plan
Proposed Actions for Next Year	<ul style="list-style-type: none"> • Energy efficiency upgrades as part of Recreation Centre upgrades? • Continue densification efforts in urban core

Action Type	Energy Generation
Actions Taken this Year	<ul style="list-style-type: none"> Organized and promoted Earth Hour – achieving 2.7% energy reduction http://www.bchydro.com/news/press_centre/news_releases/2013/earth-hour-2013-energy-savings.html Continued operating solar panels and monitoring grey water system in South Bonson (Leeds Gold)
Proposed Actions for Next Year	<ul style="list-style-type: none"> Organize and promote Earth Hour 2014

Action Type	Green Space
Actions Taken this Year	<ul style="list-style-type: none"> Proposal and Discussion on establishment of a natural green space park
Proposed Actions for Next Year	<ul style="list-style-type: none"> Continued discussion and planning for establishment of a natural green space park

Action Type	Transportation
Actions Taken this Year	<ul style="list-style-type: none"> Organized and promoted Bike to Work Week 2013
Proposed Actions for Next Year	<ul style="list-style-type: none"> Organize and promote Bike to Work Week 2014 Implement recommendations of Active Transportation Plan

Action Type	Waste
Actions Taken this Year	<ul style="list-style-type: none"> Re-promoted subsidized composter program for residents Implemented bi-weekly curbside garbage collection Organized and promote Earth Day 2013 with over 400 participants and community partners
Proposed Actions for Next Year	<ul style="list-style-type: none"> Organize and promote Earth Day 2014 Re-promote subsidized composter program for residents

Action Type	Water/Sewer
Actions Taken this Year	<ul style="list-style-type: none"> • Promoted subsidized rain barrels and composters for residents • Promoted toilet recycling rebate for residents to encourage reduced water consumption
Proposed Actions for Next Year	<ul style="list-style-type: none"> • Re-promote subsidized rain barrels and composters for residents • Re-promote toilet recycling rebate for residents

Action Type	Other Actions
Actions Taken this Year	<ul style="list-style-type: none"> • Hosted a 3-part environmental speakers series • Organized and promoted Green Star Awards which recognize residents and community groups that take action to reduce their environmental impact • Maintained Green website page http://www.pittmeadows.bc.ca/EN/main/residents/31576.html • Organize and promoted Earth Talks to increase environmental awareness • Supported Metro Vancouver's "Make Memories Not Garbage" campaign
Proposed Actions for Next Year	<ul style="list-style-type: none"> • Organize and promote Green Star Awards 2014 • Ongoing maintenance of Green website page

Direct Community Wide Actions

Action Type	Buildings
Actions Taken this Year	<ul style="list-style-type: none"> • Building Inspectors work with Developers to assist in removing barriers to Green Building techniques
Proposed Actions for Next Year	<ul style="list-style-type: none"> • No action planned

Action Type	Energy Generation
Actions Taken this Year	<ul style="list-style-type: none"> Encouraged developers to consider district energy or alternative energy solutions in new developments
Proposed Actions for Next Year	<ul style="list-style-type: none"> Continue to encourage developers to consider alternative energy solutions and passive building design in new developments

Action Type	Transportation
Actions Taken this Year	<ul style="list-style-type: none"> Bulge out installations in key neighbourhood intersections (slow traffic, increase pedestrian safety, and create green space) Implemented electric vehicle charging station at City Hall Improvements to transportation infrastructure to encourage active transportation included adding new bike lanes and improving sidewalks Enforce parking restrictions
Proposed Actions for Next Year	<ul style="list-style-type: none"> Utilize recycled asphalt for new pedestrian pathway Continue to operate electric charging station Continue to enforce parking restrictions

Action Type	Waste
Actions Taken this Year	<ul style="list-style-type: none"> Introduced bi-weekly curbside garbage collection Organized and participated in Great Canadian Shoreline Clean-Up focusing on the shores of the Alouette River, at Harris Road
Proposed Actions for Next Year	<ul style="list-style-type: none"> Organize and promote Great Canadian Shoreline Clean-Up

Action Type	Water/Sewer
Actions Taken this Year	<ul style="list-style-type: none"> • Installed water meters on all agricultural, commercial, industrial, and multi-family residences in Pitt Meadows • Continued re-lining sewer pipes instead of open trenching and replacement saving 97 tonnes of GHG emissions per 1000 meters of pipe. • Sewer Bilateral Review
Proposed Actions for Next Year	<ul style="list-style-type: none"> • Continue sewer pipe relining

Action Type	Green Space
Actions Taken this Year	<ul style="list-style-type: none"> • Insist on landscaping for all new developments, and encourage native and drought resistant plants
Proposed Actions for Next Year	<ul style="list-style-type: none"> • Continue to insist developers include landscape considerations in plans

Action Type	Other Actions
Actions Taken this Year	<ul style="list-style-type: none"> • No Other Actions taken
Proposed Actions for Next Year	<ul style="list-style-type: none"> • No Other Actions planned

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	<p>The City of Pitt Meadows Council began a Community Sustainability Planning Process. Three technical advisory committees were established based on the triple bottom line (economic, environmental, and social). These committees, comprised of twenty-six technical experts (many of whom also live in Pitt Meadows) and three community representatives, began the process of prioritizing effective, feasible sustainability strategies. In parallel, each committee took an important first step towards creating a sustainability vision for the City of Pitt Meadows, by sharing information and outlining an overarching theme, priorities, and community performance indicators that could measure the well-being of Pitt Meadows over time.</p>

Corporate Actions for 2013

2.1 Measure

Corporate Measurement Actions

Question	What steps has your local government taken toward completing its corporate emissions inventory?
Answer	<ul style="list-style-type: none">The City has adopted the corporate Energy and Greenhouse Gas Emissions Plan. The Corporate Energy and Greenhouse Gas Emissions Plan includes a reduction target of 32%. Completed 40 of 55 initiatives. <p>2013 Corporate Energy & Greenhouse Gas Progress Report</p>

Question	What tool are you using to measure, track and report on your corporate emissions?
Answer	<ul style="list-style-type: none">Currently using consultant's software

2.2 Reduce

Supportive Corporate Actions

Action Type	Broad Planning
Actions Taken this Year	<ul style="list-style-type: none"> The sustainability division introduced the concept of the triple bottom line to both council and municipal staff. Finalized a Corporate Sustainability Framework. This plan looks at the financial, social, and environmental elements that will assist the Corporation of the city of Pitt Meadows to provide a safe and healthy community, protect the natural environment, deliver quality service, and be fiscally responsible. Continued implementation of action from Corporate Energy & Greenhouse Gas Emissions Plan. Awarded a \$5000 grant from the Healthy Communities Capacity Building Fund to assist Pitt Meadows in engaging local environmental, technical, and social experts in order to develop indicators of overall community health from three different perspectives. Ongoing enhancement of Green Team initiatives. Participated in year 2 of the BC Hydro Workplace Conservation Awareness Program
Proposed Actions for Next Year	<ul style="list-style-type: none"> Review the Corporate Sustainability Framework and look for opportunities to incorporate it into corporate operations. Participate in year 3 of the BC Hydro Workplace Conservation Awareness

Action Type	Building and Lighting
Actions Taken this Year	<ul style="list-style-type: none"> BC Hydro Workplace Conservation Awareness Program Year 2 (initiatives to promote energy reduction included Turn it Off, Space Heater replacement, measure power consumption of equipment, Smart tools for the workplace, etc.) Completed energy audit at Fire Hall
Proposed Actions for Next Year	<ul style="list-style-type: none"> Participate in BC Hydro Workplace Conservation Awareness Program Year 3. Energy audits at library and annex to City Hall

Action Type	Energy Generation
Actions Taken this Year	<ul style="list-style-type: none"> • Raise awareness of energy generation in the community from solar panels on South Bonson Community Centre
Proposed Actions for Next Year	<ul style="list-style-type: none"> • Explore energy generation feasibility studies when there is an opportunity

Action Type	Transportation
Actions Taken this Year	<ul style="list-style-type: none"> • Participated in Bike to Work week • Anti-idling campaign (focused efforts at rail crossings)
Proposed Actions for Next Year	<ul style="list-style-type: none"> • Promote Bike to Work week with incentives for participation

Action Type	Waste
Actions Taken this Year	<ul style="list-style-type: none"> • Public works disposal of illegally dumped garbage in the community
Proposed Actions for Next Year	<ul style="list-style-type: none"> • Public works disposal of illegally dumped garbage in the community • Continue to address illegally dumping site issues

Action Type	Water/Sewer
Actions Taken this Year	<ul style="list-style-type: none"> • Completed Bilateral Sewer Review • Initiated Integrated Stormwater Management Study
Proposed Actions for Next Year	<ul style="list-style-type: none"> • Complete Integrate Stormwater Management Study

Action Type	Other Actions
Actions Taken this Year	<ul style="list-style-type: none"> No Other Actions taken
Proposed Actions for Next Year	<ul style="list-style-type: none"> No Other Actions planned

Direct Corporate Actions

Action Type	Building and Lighting
Actions Taken this Year	<ul style="list-style-type: none"> Replaced HVAC units in City annex with high efficiency units
Proposed Actions for Next Year	<ul style="list-style-type: none"> Pilot project for LED lights in recreation centre gymnasium and City Hall boardroom

Action Type	Energy Generation
Actions Taken this Year	<ul style="list-style-type: none"> Operated solar panels on South Bonson Community Centre to reduce need for purchased energy. Participated in BC Hydro's Workplace Conservation Awareness Program Year 2
Proposed Actions for Next Year	<ul style="list-style-type: none"> Ongoing operation of South Bonson Community Centre solar panels. Participate in BC Hydro's Workplace Conservation Awareness Program Year 3

Action Type	Fleet
Actions Taken this Year	<ul style="list-style-type: none"> • Anti-idling policy and campaign for staff • Staff carpooling for offsite meetings • Employed “Ekko Courier” as corporate courier (use efficient hybrid vehicles)
Proposed Actions for Next Year	<ul style="list-style-type: none"> • Continue employing “Ekko Courier” as corporate courier • Continue staff carpooling program • Consideration of hybrid for bylaws replacement vehicle

Action Type	Waste
Actions Taken this Year	<ul style="list-style-type: none"> • Continued corporate green waste (fruit, vegetables, coffee grounds) and recycling (paper and Styrofoam) diversion program • Continued City Hall compost bin program • Continued with use of reusable dishes and cutlery in facility meeting rooms (not disposable dishes) • Works Yard recycles scrap metal, wood pallets, batteries, used tires and oil
Proposed Actions for Next Year	<ul style="list-style-type: none"> • Continue corporate green waste and recycling diversion programs • Continue to monitor areas for improvement

Action Type	Water/Sewer
Actions Taken this Year	<ul style="list-style-type: none"> • No action taken
Proposed Actions for Next Year	<ul style="list-style-type: none"> • No action planned

Action Type	Green Space
Actions Taken this Year	<ul style="list-style-type: none"> No action taken
Proposed Actions for Next Year	<ul style="list-style-type: none"> Continue to look for opportunities to add green space in the community

Action Type	Other Actions
Actions Taken this Year	<ul style="list-style-type: none"> Sourced products with higher recycled content (e.g. Office products) Recycled old and used office products for reuse/reclamation Purchased 4 energy star, EPEAT Gold rated desktop computers Purchased 2 energy star rated fridges Continued server virtualization to reduce hardware consumption and energy consumption Promoted green incentives and programs through City Talks newsletter and Green website page Use Mills Stationary as our office supplier (they promote products, pick up our used products for recycling, incorporate social programs into their business, carbon-free delivery program) In June 2013, Mayor and Council enacted a bylaw creating the Carbon Neutral and Sustainability Reserve Fund to make progress towards carbon neutrality and approved the allocation of moneys destined for carbon offsets into the fund as permitted under CARIP. This fund will be used for initiatives which move the City of Pitt Meadows towards carbon neutrality and sustainability. In 2013, Pitt Meadows contributed a total of \$29,008.70 to the Carbon Neutrality and Sustainability Reserve Fund. This is broken down as \$16,508.70 from the 2012 CARIP Rebate and \$12,500 City amount that was redirected instead of paying carbon offsets. The city's goal is let the fund grow to support future actions on a larger scale that significantly increase the impact to the reduction of carbon emissions and contribution to efforts under the Climate Action Charter. <p>Carbon Neutrality and Sustainability Reserve Fund Bylaw No. 2618, 2013</p>
Proposed Actions for Next Year	<ul style="list-style-type: none"> Continue to find innovative ways to pursue sustainability Initiative to reduce colour printing

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	<p>The Corporation of the City of Pitt Meadows established a Corporate Sustainability Framework. This plan looks at the financial, social and environmental elements (triple bottom line) that will assist the Corporation of the city of Pitt Meadows to provide a safe and healthy community, protect the natural environment, deliver quality service, and be fiscally responsible. The Corporate Sustainability Framework was created through a series of workshops and meeting that were held with staff throughout the organization. As sustainability cannot be achieved by an individual department, the sustainability division coordinated the creation of this Corporate Sustainability Framework, which reflects the principles, priorities and actions of staff throughout the organization. Bringing individuals in the organization together assisted in building relationships internally and coordinating the interrelated nature of each departments work and the vital service and leadership each provides the community. Establishing corporate benchmarks for each of these priorities and actions is a priority in 2014.</p>

Carbon Neutral Progress Reporting

3.1 Carbon Neutral Progress Reporting

Emissions/Offsets	Tonnes CO ₂ e
Annual corporate emissions using SMARTTool or equivalent inventory tool	885
<i>Emissions from services delivered directly by the local government</i>	676
<i>Emissions from contracted services</i>	209
Less: GHG reductions being claimed for this reporting year from Option 1 - GHG reduction project	-
<i>Energy Efficient Building Retrofits and Fuel Switching</i>	-
<i>Solar Thermal</i>	-
<i>Household Organic Waste Composting</i>	475
<i>Low Emissions Vehicles</i>	-
Less: GHG reductions being claimed for this reporting year from Option 2 - GHG reduction projects	-
<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>	-
Less: <i>Offsets purchased for this reporting year (Option 3). Please identify your offset provider in the offset provider information section below.</i>	350
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>	60 Tonnes
Additional "Option 2" Projects	
<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

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	<p>The City of Pitt Meadows is committed to carbon management and is dedicated to making progress towards carbon neutrality. We continue to measure, reduce and report on corporate emissions and are working towards meeting the broader Climate Action Charter goals. To be carbon neutral in 2013, the City of Pitt Meadows would have to purchase offsets from the Pacific Carbon Trust equivalent to the amount of greenhouse gases produced through corporate emissions. Based on the net city greenhouse gas emissions of 60 tonnes CO₂e, this equates to \$1,500 (assuming a credit cost of \$25). The City of Pitt Meadows has set aside money in their business plan to offset carbon emissions. However, instead of purchasing offsets to be carbon neutral in 2013, we plan to invest this carbon offset money in corporate or community initiatives to help Pitt Meadows move closer to carbon neutrality and sustainability. In June 2013, Mayor and Council enacted a bylaw creating the Carbon Neutral and Sustainability Reserve Fund and approved the allocation of moneys destined for carbon offset purchase into the fund as permitted under CARIP. Possible initiatives that may draw on the fund include energy generation feasibility studies on existing City assets, energy reduction initiatives at the Annex, Fire Hall and/or Heritage facilities, and/or a Community Sustainability Plan. The city's goal is let the fund grow to support future actions on a larger scale that significantly increase the impact to the reduction of carbon emissions and contribution to efforts under the Climate Action Charter.</p>

3.3 Offset Provider Information

Question	Please Identify the name(s) of your offset provider(s) (Please answer below):
Answer	Vancouver Landfill Allocation by Metro Vancouver

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	yes

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	See Section 3.2