

Climate Action Revenue Incentive Program (CARIP) Public Report

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Public Report for YEAR 2013

City of Port Moody

Greater Vancouver



Report Submitted by

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General Information

Name of Local Government	City of Port Moody
Member of Regional District (RD)	Greater Vancouver
Regional Growth Strategy (RGS) in region	Yes
Population	34,479

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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	

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 (LGA)</i> ? If yes, please identify the targets set. If no or in progress, please comment.
Answer	Yes
Additional Information	10 percent below 2007 levels by 2017

1.3 Reduce

Supportive Community Wide Actions

Action Type	Broad Planning
Actions Taken this Year	Updated City's energy and climate change policies in City's 2014 OCP Update. Secured funding to support additional resources to support energy planning and policy and development. Support for City's Environmental Protection Committee. Participate on the REAC-CPS committee.
Proposed Actions for Next Year	Adopt an updated OCP. Continued support to the City's Environmental Protection Committee and participate on the REAC-CPS committee.

Action Type	Building and Lighting
Actions Taken this Year	Undertook consultation on City's OCP Update which incorporates new policies to advance transit-orientated development and specifically increase density near Evergreen skytrain stations currently under construction.
Proposed Actions for Next Year	Initiate work on developing community-wide sustainable building policy.

Action Type	Energy Generation
Actions Taken this Year	
Proposed Actions for Next Year	Explore feasibility of alternative energy systems for servicing high density areas.

Action Type	Green Space
Actions Taken this Year	Initiated Parks and Recreation Master Plan update. Supported community events related to natural environment protection (e.g., Port Moody Naturally, Fingerling Festival).
Proposed Actions for Next Year	Complete Parks and Recreation Master Plan Update. Initiate update of City's Environmental Sensitive Areas Management Strategy. Incorporate further updates to the City's Tree Retention Bylaw. Support community events pertaining to natural environment. protection (e.g., Port Moody Naturally, Fingerling Festival). Continue to seek opportunities to acquire new green space and maintain if in public ownership.

Action Type	Transportation
Actions Taken this Year	Explore opportunities for advancing integrated transportation, urban design, land use and energy planning.
Proposed Actions for Next Year	Initiated a Master Transportation Plan Scoping Study. Participated in TransLink's North East Sector Area Transit Plan and Regional Transportation Strategy.

Action Type	Waste
Actions Taken this Year	Continued implementation of City's outreach initiatives including supporting Dreamrider plays in schools and promotion of waste reduction education at public events (e.g., Fingerling Festival, Public Works Day).
Proposed Actions for Next Year	Continue to implement City's outreach initiatives including supporting Dreamrider plays in schools and promotion of waste reduction education at public events (e.g., Fingerling Festival, Public Works Day).

Action Type	Water/Sewer
Actions Taken this Year	Continued support of City's water-wise initiatives, including provision of subsidized sale of rain barrels, support for Dreamrider plays in schools and promotion of water conservation education at public events (e.g., Fingerling Festival, Public Works Day).
Proposed Actions for Next Year	Continue to implement OCP policies pertaining to wise-water use. Continue support of City's community-based water-wise initiatives, including provision of subsidized sale of rain barrels, support for Dreamrider plays in schools and promotion of water conservation education at public events (e.g., Fingerling Festival, Public Works Day).

Action Type	Other Actions
Actions Taken this Year	
Proposed Actions for Next Year	

Direct Community Wide Actions

Action Type	Buildings
Actions Taken this Year	Continued implementation of City's sustainability checklist.
Proposed Actions for Next Year	Update City's sustainability checklist.

Action Type	Energy Generation
Actions Taken this Year	Continued implementation of 'solar ready' regulation.
Proposed Actions for Next Year	Continue to implement of 'solar ready' regulation.

Action Type	Transportation
Actions Taken this Year	Added to bike lane on Murray St. Expand EV charging facilities by adding stations in the underground parking lot at the City Hall (accessible to the public).
Proposed Actions for Next Year	Explore and implement a car share program to provide more transportation options for the community.

Action Type	Waste
Actions Taken this Year	Continued implementation of City's recycling services, including incorporating recycling stations at civic events and implementation & education of the City's Waste Management Bylaw which among other stipulations requires recycling of construction and demolition waste.
Proposed Actions for Next Year	Continue to implement City's recycling services. Implemented trials for organics collection for both multi-family (non-curbside) and for Industrial, Commercial and Institutional buildings. Implement changes to recycling services through the MMBC program.

Action Type	Water/Sewer
Actions Taken this Year	Continued implementation of the City's water metering program. Continue undertaking ongoing water main replacements/maintenance to reduce leakage. Implementation of the Naturescape Policy which encourages the use of drought resistant plant. Implemented a new leak detection system. Continue lawn sprinkling restrictions for summer months.
Proposed Actions for Next Year	Continue to implement City's water metering program. Continue to conduct water main replacements/maintenance to reduce leakage. Continue innovative on-site storm water management for all new development. Continue lawn sprinkling restrictions for summer months.

Action Type	Green Space
Actions Taken this Year	Updated the City's Tree Retention Bylaw to include protection of all trees within environmentally sensitive areas (ESA) and streamside protection areas. Continued implementation of the City's ESA Management Strategy and Streamside Protection and Enhancement Areas set-backs. Continue work with community groups for invasive species removal, shore line clean up and tree planting.
Proposed Actions for Next Year	City acquisition of green space. Continue to implement City's Tree Retention Bylaw, ESA Management Strategy and Streamside Protection and Enhancement Areas set-backs. Continue work with community groups for invasive species removal, shore line clean up and tree planting.

Action Type	Other Actions
Actions Taken this Year	
Proposed Actions for Next Year	

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	

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	Completed City's first Corporate Energy and Emissions Inventory (1995, 1999, 2005 to 2011, & 2013); identified buiding & fleet inventory

Question	What tool are you using to measure, track and report on your corporate emissions?
Answer	Custom Excel Spreadsheet Tool

2.2 Reduce

Supportive Corporate Actions

Action Type	Broad Planning
Actions Taken this Year	Council adopted Carbon Neutral Guiding Principles.
Proposed Actions for Next Year	Develop Carbon Neutral Strategy.

Action Type	Building and Lighting
Actions Taken this Year	Conducted various behavioural-based corporate energy-wise campaigns through BC Hydro Workplace Conservation Awareness (WCA) Initiative. Upgraded all exterior building mounted lights to LEDs for the Heritage Mountain Community Centre. Installed recycled rubber tire flooring in recreation complex.
Proposed Actions for Next Year	Continue with corporate energy-wise educational initiatives. Explore development of a corporate High Performance Building Policy. Install LED lighting in the civic centre parkade. Continue to replace exterior lights, when needed, with LEDs among all corporate buildings. Install reflectix low-e ceiling material in the Arena.

Action Type	Energy Generation
Actions Taken this Year	
Proposed Actions for Next Year	Implement solar powered LED lights on public art being installed in the civic centre.

Action Type	Transportation
Actions Taken this Year	Continued staff promotion and participation of Bike to Work week.
Proposed Actions for Next Year	Continue to support Bike to Work week. Explore the use of car share programs to support employee car sharing.

Action Type	Water/Sewer
Actions Taken this Year	Continued implementation of City's water-wise initiatives, including provision of subsidized sale of rain barrels, support for Dreamrider plays in schools and promotion of water conservation education at public events (e.g., Fingerling Festival, Public Works Day).
Proposed Actions for Next Year	Continue to implement City's water-wise initiatives. Implement changes to recycling services through the MMBC program.

Action Type	Other Actions
Actions Taken this Year	
Proposed Actions for Next Year	

Direct Corporate Actions

Action Type	Building and Lighting
Actions Taken this Year	Implemented sustainable building design requirements for new Fire Hall which included energy efficient systems for heating and all external lights to be LED.
Proposed Actions for Next Year	Completed an LED upgrade at the Ice Arena that will reduce energy for lighting and also for cooling. Initiated LED street lights trial. Explore opportunities for additional energy-wise upgrades in civic assets.

Action Type	Energy Generation
Actions Taken this Year	
Proposed Actions for Next Year	

Action Type	Fleet
Actions Taken this Year	Purchased electric vehicles for Bylaws (100% electric) and community services. Added EV charging stations in the underground parking lot for corporate and public users.
Proposed Actions for Next Year	Explore opportunities for increasing awareness of e-charging stations.

Action Type	Waste
Actions Taken this Year	Continued implementation of City's corporate solid waste reduction and recycling initiatives (e.g., kitchen composting, paper towel composting, etc.)
Proposed Actions for Next Year	Continue to implement City's corporate solid waste reduction and recycling initiatives.

Action Type	Water/Sewer
Actions Taken this Year	"Implemented sustainable building design features at the new Fire Hall that included rainwater harvesting system for internal building water use and onsite stormwater management with 100% avoidance of connection to storm sewer system.
Proposed Actions for Next Year	

Action Type	Green Space
Actions Taken this Year	Annual tree planting under Urban Forestry Program including new street trees and planting trees in urban forest. Supported three invasive plant removal projects performed by community volunteers.
Proposed Actions for Next Year	Continue to implement of City's annual tree planting under Urban Forestry Program.

Action Type	Other Actions
Actions Taken this Year	
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
Annual corporate emissions using SMARTTool or equivalent inventory tool	1735
<i>Emissions from services delivered directly by the local government</i>	1555
<i>Emissions from contracted services</i>	180
Less:	0
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>	645.1
<i>Low Emissions Vehicles</i>	
Less:	0
GHG reductions being claimed for this reporting year from Option 2 - GHG reduction projects	
<i>Option 2 Project A*</i>	1089.9
<i>Option 2 Project B</i>	
<i>Sum of Other Option 2 Projects (if you have added projects below)</i>	1089.9
Less:	
<i>Offsets purchased for this reporting year (Option 3). Please identify your offset provider in the offset provider information section below.</i>	
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>	0
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>	

* 2013 Credits calculation and allocation details are provided by Metro Vancouver in reports: *Municipal Organic Waste Diversion and Composting in Metro Vancouver – Greenhouse Gas Emissions Reductions and Green Community Carbon Credits for Carbon Neutral Reporting* published June 17, 2014 and *Vancouver Landfill Gas Capture Optimization Project – Allocation of Carbon Offset Credits to Metro Vancouver and its Member Municipalities* published June 17, 2014.

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	

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	

Appendix A: Contracted Emissions Estimation for 2013

Estimation Methodology Information			
Rationale for Applying an Estimation Methodology	Describe why an estimation methodology is being used rather than reporting actual emissions data as provided by the contractor		
	Estimation methodology is used due to limited access to actual fuel consumption information from all contractors.		
Contracted Emissions			
For each contract, indicate (1) the name and value of the contract (2) the estimation methodology option(s) used, and (3) the estimated annual emissions associated with each contract, organized by traditional service area.			
Estimation Methodologies Option 1: Ask Your Contractor for an Estimate Option 2: Proxy Fuel Consumption Value Based on a Sample of Contracts Option 3: Vehicle/Equipment Type and Hours or Kilometers of Usage			
Drinking, Storm and Wastewater	CONTRACT NAME	ESTIMATION OPTION USED	ESTIMATED ANNUAL GHGS
	Fred Surridge Ltd	Option 2	3.80 t CO ₂ e
	TOTAL ANNUAL CONTRACTED EMISSIONS FOR TRADITIONAL SERVICE AREA		3.80 t CO ₂ e
Solid Waste Collection, Transportation and Diversion	CONTRACT NAME	ESTIMATION OPTION USED	ESTIMATED ANNUAL GHGS
	Maple Leaf Disposal Ltd.	Option 2	9.75 t CO ₂ e
	Fraser Richmond Soil & Fibre Ltd.	Option 1	97.30 t CO ₂ e
	TOTAL ANNUAL CONTRACTED EMISSIONS FOR TRADITIONAL SERVICE AREA		107.05 t CO ₂ e
Roads and Traffic Operations	CONTRACT NAME	ESTIMATION OPTION USED	ESTIMATED ANNUAL GHGS
	CMDT Concrete Ltd.	Option 1	16.55 t CO ₂ e
	Mainroad Group Network	Option 1	6.50 t CO ₂ e
	Winvan Paving Ltd.	Option 2	12.84 t CO ₂ e
	Scottish Line Painting	Option 1	8.70 t CO ₂ e
	Cobra Electric	Option 1	3.17 t CO ₂ e
	TOTAL ANNUAL CONTRACTED EMISSIONS FOR TRADITIONAL SERVICE AREA		47.77 t CO ₂ e

Arts, Recreation and Cultural Services	CONTRACT NAME	ESTIMATION OPTION USED	ESTIMATED ANNUAL GHGS
	Stratacomm Landscape & Property Services	Option 2	21.37 t CO2e
	TOTAL ANNUAL CONTRACTED EMISSIONS FOR TRADITIONAL SERVICE AREA		21.37 t CO2e
Fire Protection	CONTRACT NAME	ESTIMATION OPTION USED	ESTIMATED ANNUAL GHGS
	TOTAL ANNUAL CONTRACTED EMISSIONS FOR TRADITIONAL SERVICE AREA		179.99 t CO2e
Estimated Contracted Emissions: Authorization and Sign Off			
The information provided in this Contracted Emissions template is to the best of my knowledge correct and complete.			
			
Designate Signature			
Paul Rockwood, CFO			
Title			
Date <i>JULY 24, 2014</i>			