

Climate Action Revenue Incentive Plan (CARIP) Public Report

Climate Action Revenue Incentive (CARIP) Public Report for 2012

District of West Vancouver

Metro Vancouver

Reported by

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General Information

Name of Local Government	<i>District of West Vancouver</i>
Member of Regional District (RD)	<i>Metro Vancouver</i>
Regional Growth Strategy (RGS) in region	<i>Yes</i>
Population	<i>45,000</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	Changes to OCP to embed <i>reductions targets as per Bill 27. Community Climate Action Plan also completed in 2010</i>

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	Reduce greenhouse gas emissions by <i>at least 33% below 2007 levels by 2020 and at least 80% below 2007 levels by 2050</i>

1.3 Reduce

Supportive Community-Wide Actions

Action Type	Broad Planning (e.g. creation/revision of OCPs, CEPs, transportation plans)
Actions Taken this Year	Requirements related to electric vehicle charging access in new multi-family and commercial development
Proposed Actions for Next Year	Hire Manager of Sustainability

Action Type	Building and Lighting (e.g. developed green building policy, increased density in the downtown)
Actions Taken this Year	
Proposed Actions for Next Year	

Action Type	Energy Generation (e.g. signed on to provincial 'solar ready' regulation, explored options for bioheating for buildings)
Actions Taken this Year	
Proposed Actions for Next Year	

Action Type	Green Space (e.g. developed urban forestry policy, adopted park acquisition policy)
Actions Taken this Year	The 2012 parks master plan was approved by council on May 23, 2012.
Proposed Actions for Next Year	

Action Type	Green Space (e.g. developed urban forestry policy, adopted park
Actions Taken this Year	UPPER LANDS STUDY REVIEW WORKING GROUP has been formed, has finalized its Terms of Reference, and is in the midst of completing its work plan
Proposed Actions for Next Year	

Action Type	Transportation (e.g. developed sustainable transportation plan, completed bicycle master plan)
Actions Taken this Year	Public anti-idling program
Proposed Actions for Next Year	

Action Type	Transportation (e.g. developed sustainable transportation plan, completed bicycle master plan)
Actions Taken this Year	Completion of Lion's Gate portion of Spirit Trail cycling route
Proposed Actions for Next Year	Post wayfinding signs for existing Spirit Trail and hold consultation on next phase in Horseshoe Bay

Action Type	Transportation (e.g. developed sustainable transportation plan, completed bicycle master plan)
Actions Taken this Year	Joined North Shore TravelSmart campaign to encourage residents to reduce car use by one trip per week by walking, biking, transit, or carpooling
Proposed Actions for Next Year	Further partnerships with TravelSmart and municipalities for consistent messages and coordinated education on sustainable transportation
Action Type	Transportation (e.g. developed sustainable transportation plan, completed bicycle master plan)
Actions Taken this Year	Staff, Technical Committee, and consultants identified highest priority cycling routes for implementation
Proposed Actions for Next Year	Staff have requested capital budget to mark and sign Phase 1 projects in 2013

Action Type	Waste (e.g. introduced composting and recycling education programs)
Actions Taken this Year	
Proposed Actions for Next Year	Information to residents on new bi-weekly garbage pickup

Action Type	Water/Sewer (e.g. participated in water smart initiatives, implemented Water Action Plan, introduced rebates on low flush toilets)
Actions Taken this Year	Ongoing water metering system and volume-based pricing, rebate program for low-floor toilets, seasonal lawn sprinkling restrictions, and new water conservation education
Proposed Actions for Next Year	Continue with water conservation initiatives and promote lawn sprinkling regulations by reaching out to North Shore lawn care and irrigation companies

Direct Community-Wide Actions

Action Type	Buildings (e.g. implement use of sustainability checklists and development permit guidelines for new buildings)
Actions Taken this Year	Development Permit and Development Variance Permit applications required to achieve a minimum EnerGuide 80 building efficiency
Proposed Actions for Next Year	

Action Type	Buildings (e.g. implement use of sustainability checklists and development permit guidelines for new buildings)
Actions Taken this Year	New single family homes and DP and DVP applicants required to pre-pipe for roof mounted solar energy systems
Proposed Actions for Next Year	

Action Type	Energy Generation (e.g. implement district energy, geothermal, solar)
Actions Taken this Year	
Proposed Actions for Next Year	

Action Type	Transportation (e.g. implement bike lanes, pedestrian paths, upgrade transit service and infrastructure, improve roads, parking fees etc.)
Actions Taken this Year	Signed agreement to be eligible to receive funding for up to two electric vehicle charging stations
Proposed Actions for Next Year	Install two, dual, level 2 public electric vehicle charging stations

Action Type	Waste (e.g. introduce composting and recycling programs)
Actions Taken this Year	Weekly curbside collection of single family home food scraps
Proposed Actions for Next Year	Reduce garbage pickup to bi-weekly

Action Type	Water/Sewer (e.g. implement water conservation and reduction initiatives)
Actions Taken	

this Year	
Proposed Actions for Next Year	

Action Type	Green Space (e.g. plant trees, conserve forest etc.)
Actions Taken this Year	
Proposed Actions for Next Year	

1.4 Community Wide 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	Partnered with Cool North Shore to support program that works with neighbourhoods to identify energy loss from their homes by using thermal imaging and education

Corporate Actions for 2012

2.1 Measure

Corporate Measurement Actions

Question	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)?
Answer	Completed the corporate GHG inventory for 2007 to 2010, VFA Building Audit, Utility Data Compilation

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

2.2 Reduce

Supportive Corporate Actions

Action Type	Broad Planning (e.g. developed corporate climate action plan)
Actions Taken this Year	
Proposed Actions for Next Year	Corporate energy reduction goals to include tracking and reporting on GHG targets

Action Type	Building and Lighting (e.g. developed energy reduction plan for all corporate buildings)
Actions Taken this Year	Hired an energy manager to compile inventory of buildings and energy usage and identify savings measures
Proposed Actions for Next Year	Energy Manager will complete a strategic energy mngmt. plan that includes energy reduction targets

Action Type	Building and Lighting (e.g. developed energy reduction plan for all corporate buildings)
Actions Taken	

this Year	Completed energy audits for the larger DWV operated facilities
Proposed Actions for Next Year	Prioritize energy efficiency projects

Action Type	Building and Lighting (e.g. developed energy reduction plan for all corporate buildings)
Actions Taken this Year	Tested variety of lighting types in buildings in support of future upgrades
Proposed Actions for Next Year	

Action Type	Energy Generation (e.g. undertook feasibility study of green energy generation for civic buildings)
Actions Taken this Year	
Proposed Actions for Next Year	

Action Type	Transportation (e.g. created anti-idling policy for city vehicles, bike to work week promotion)
Actions Taken this Year	promotion of active transportation by District support of Bike to Work Week
Proposed Actions for Next Year	

Action Type	Waste(e.g. completed waste audit of City Hall)
Actions Taken this Year	Targeted audits & updated mapping of waste flow from facilities to identify diversion opportunities
Proposed Actions for Next Year	Expand waste diversion services in municipal facilities

Action Type	Water/Sewer (e.g. completed study of sewer and water energy use)
Actions Taken this Year	
Proposed Actions for Next Year	

Direct Corporate Actions

Direct Corporate Actions

Please describe the *direct corporate actions* you have taken in 2012 and propose to take in 2013 to contribute to reducing GHG emissions and energy consumption within your corporate boundary.

Direct actions refer to activities that can be directly implemented by local governments.

We encourage you to report all the corporate actions that contribute to reduced emissions even if they might not directly contribute to the achievement of your carbon neutral commitment. For example, the introduction of corporate recycling programs do not contribute to carbon neutrality but is a direct action to reduce GHG emissions.

If your actions do not fit into the given categories please describe them under "other actions".

List of actions reported in these categories in 2010 and 2011 can be found here:

<http://www.cscd.gov.bc.ca/lgd/greencommunities/carip.htm>

Action Type	Building and Lighting (e.g. energy efficiency retrofits to municipal buildings)
Actions Taken this Year	Energy saving lighting retrofits at the Cemetery, Operations Centre, Municipal Hall buildings
Proposed Actions for Next Year	Energy saving lighting retrofits at the Aquatic Centre, Main Community Centre, Arena & Seniors' Centre

Action Type	Building and Lighting (e.g. energy efficiency retrofits to municipal buildings)
Actions Taken this Year	Improved efficiency with new natural gas heating equipment in Cemetery, Operations Centre, & Library
Proposed Actions for Next Year	Review building heating/cooling control systems to ensure maximum efficiency

Action Type	Building and Lighting (e.g. energy efficiency retrofits to municipal buildings)
Actions Taken	

this Year	
Proposed Actions for Next Year	"Turn it Off" campaign for District staff

Action Type	Energy Generation (e.g. implemented heat recovery systems, solar)
Actions Taken this Year	
Proposed Actions for Next Year	

Action Type	Fleet (e.g. anti-idling policies for fleet vehicles, purchasing of hybrid
Actions Taken this Year	3 Parks internal combustion engines replaced with electric utility vehicles, 2 Hybrid vehicles purchased for Bylaws
Proposed Actions for Next Year	light weight aluminum tool boxes and cab protectors to limit vehicle weight

Action Type	Fleet (e.g. anti-idling policies for fleet vehicles, purchasing of hybrid
Actions Taken this Year	3 Parks internal combustion engines replaced with electric utility vehicles, 2 Hybrid vehicles purchased for Bylaws
Proposed Actions for Next Year	

Action Type	Waste (e.g. introduction of composting and recycling programs and education)
Actions Taken this Year	
Proposed Actions for Next Year	Increase waste diversion at District facilities with more recycling and food composting

Action Type	Water/Sewer (e.g. completed study of sewer and water energy use)
Actions Taken this Year	
Proposed Actions for Next Year	

Action Type	Green Space (e.g. planting of trees)
Actions Taken this Year	
Proposed Actions for Next Year	

2.3 Corporate Innovations

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	The District has implemented new building technologies and/or LEED design standards in five major buildings.

Carbon Neutral Progress Reporting

Tonnes CO2e

Annual corporate emissions using SMARTTool or equivalent inventory tool	3012.8
<i>Emissions from services delivered directly by the local government</i>	
<i>Emissions from contracted services</i>	0
Less: GHG reductions being claimed for this reporting year from Option 1 - GHG reduction project	333
<i>Energy Efficient Building Retrofits and Fuel Switching</i>	
<i>Solar Thermal</i>	
<i>Household Organic Waste Composting</i>	333
<i>Low Emissions Vehicles</i>	
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.	0
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>	2679.8

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	Recently hired a Manager of Sustainability and the Environment who will foster further work on Community Carbon neutrality.