

Climate Action Revenue Incentive (CARIP) Public Report for YEAR 2012



Reported by

Patricia Walker

Municipal Treasurer

pwalker@oakbay.ca

250-598-3311

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General Information

Name of Local Government	<i>The Corporation of the District of Oak Bay</i>
Member of Regional District (RD)	<i>Capital Regional District</i>
Regional Growth Strategy (RGS) in region	<i>Yes</i>
Population	<i>18,015</i>

Background

Climate action is a key provincial priority and local governments are vital partners in helping to reduce greenhouse gas (GHG) emissions and creating greener, more compact and energy-efficient communities.

This 2012 Climate Action Revenue Incentive Program (CARIP) Report is the result of a provincial requirement to report on actions completed over the past year, and actions proposed for 2013, to reduce community-wide and corporate greenhouse gas emissions (GHG) in the Corporation of the District of Oak Bay. CARIP is a conditional grant program that provides funding to Climate Action Charter (Charter) signatories equivalent to 100 percent of the carbon taxes they pay directly. In 2012, the District received a CARIP grant of \$26,588. This funding supports local governments in their efforts to reduce GHG emissions and move forward on achieving their Charter goals.

As a signatory to the Climate Action Charter, the District agrees:

- (1) To become carbon neutral in its operations or make progress towards carbon neutrality in its corporate operations by 2012;
- (2) To measure and report on the community's GHG emissions; and
- (3) To create a complete, compact, and energy-efficient community. To be eligible for the conditional grant, local governments must report publicly on their plan and progress toward meeting their climate action goals.

This plan fulfills the reporting requirements of 2012.

For more information about the Climate Action Revenue Incentive Program, please visit the website at: <http://www.cscd.gov.bc.ca/lgd/greencommunities/carip.htm>

Community-Wide Actions for 2012

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	No
Additional Information	

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 Local Governments Act (LGA)? If yes, please identify the targets set. If no or in progress, please comment.
Answer	Yes
Additional Information	<i>Measurable GHG emission reduction target was set at an overarching target of 33% reduction in GHG emissions below 2007 levels by 2020.</i>

Question	If you are a Regional District, does your RGS have targets, policies and actions to reduce GHG emissions, as per the requirements under the Local Governments Act (LGA)? If yes, please identify the targets set. If no or in progress, please comment.
Answer	
Additional Information	

1.3 Reduce

Supportive Community-Wide Actions

Action Type	Broad Planning (e.g. creation/revision of OCPs, CEPs, transportation plans)
Actions Taken this Year	<i>A Review Planning Working Group was appointed to help guide the OCP revision process. The group developed guidelines around the Request for Proposal process and the closing date for receipt of RFPs was December 17, 2012</i>
Proposed Actions for Next Year	<i>Hire a consultant to help in the public consultation process; revise the OCP, with a planned completion date of 2014.</i>

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	<i>Developed more detailed monthly reporting of number of trees removed on public and private property, types of trees (protected by species or size) and the number of trees planted to replace these.</i>
Proposed Actions for Next Year	

Action Type	Transportation (e.g. developed sustainable transportation plan, completed bicycle master plan)
Actions Taken this Year	<i>Active Transportation Advisory Committee reported to Council in late 2012 on recommended improvements to bike lanes within the municipality.</i>
Proposed Actions for Next Year	<i>Depending on budget, hire a consultant to review recommendations and to develop construction plans. Put up signs on roads designated as an east/west connector within Oak Bay for cyclists and pedestrians. Co-host a cycle forum with the CRD, which will be focusing on specific areas within the municipality.</i>

Action Type	Waste (e.g. introduced composting and recycling education programs)
Actions Taken this Year	
Proposed Actions for Next Year	

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	
Proposed Actions for Next Year	

Action Type	Other Actions
Actions Taken this Year	<i>Organized with the CRD a Bike Festival, for all age groups, with displays put on by bike shops, "Bike to Work" group, a community bike ride led by the Mayor and an Olympic medal winner, displays of various riding skills.</i>
Proposed Actions for Next Year	<i>Hold the Bike Festival again.</i>

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	
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	<i>Upgrade sidewalks and ramps. Hired consultants to carry out a pavement evaluation study of all the roads in Oak Bay so that they can be listed in order of priority for repairs.</i>
Proposed Actions for Next Year	<i>Continue to upgrade sidewalks and ramps. Using the report from the pavement evaluation consultant, start to work on repairing the high priority sections of road.</i>

Action Type	Waste (e.g. introduce composting and recycling programs)
Actions Taken this Year	
Proposed Actions for Next Year	<i>Develop a strategy for curbside collection and diversion of organic waste for 2014</i>

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	<i>People have been donating memorial trees.</i>
Proposed Actions for Next Year	<i>Continue to replace public trees that have to come down due to disease or age.</i>

Action Type	Other Actions
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	

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 gathered related to energy and fuel data and calculated GHG emissions from energy use)?
Answer	<i>Developed template of corporate emission data (2007 - 2012) to be updated each year.</i>

Question	What tool are you using to measure, track and report on your corporate emissions (e.g. SMARTtool, other tools including excel spreadsheets)?
Answer	<i>Excel spreadsheets, but we will be using the SMARTTool in future years.</i>

2.2 Reduce

Supportive Corporate Actions

Action Type	<i>Broad Planning (e.g. developed corporate climate action plan)</i>
Actions Taken this Year	<i>Environmental Advisory Committee was established.</i>
Proposed Actions for Next Year	

Action Type	<i>Building and Lighting (e.g. developed energy reduction plan for all corporate buildings)</i>
Actions Taken this Year	
Proposed Actions for Next Year	

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

Action Type	<i>Transportation (e.g. created anti-idling policy for city vehicles, bike to work week promotion)</i>
Actions Taken this Year	<i>Supported Bike to Work Week with a grant and allowing an informational tent to be placed on the Municipal Hall's front lawn. Worked with other municipalities and organizations to receive grant to install an electric vehicle charging station in the municipal parking lot.</i>
Proposed Actions for Next Year	<i>Install the electric vehicle charging station in the municipal parking lot. Continue to support the Bike to Work Week, internally through staff promotions, and externally.</i>

Action Type	<i>Waste(e.g. completed waste audit of City Hall)</i>
Actions Taken this Year	
Proposed Actions for Next Year	

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

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

Direct Corporate Actions

Action Type	Building and Lighting (e.g. energy efficiency retrofits to municipal buildings)
Actions Taken this Year	<p><i>Energy efficient windows were installed at the Fire Hall, replacing 1938 single pane, loose windows.</i></p> <p><i>At the Henderson Recreation Centre the temperature controls for the gym were changed from manual to programmable controls so that heat is only turned on when required.</i></p> <p><i>Repairs were made to the Tennis Bubble heating system to make it much more efficient. Implemented new policy that staff try to fill one tennis bubble's courts before taking bookings for the second bubble; this allows for the heating to be reduced in the unused bubble.</i></p> <p><i>Reviewed times that heating came on and off in the tennis bubbles and were able to reduce the regular operating time for the gas heater by up to 1.5 hours per day.</i></p> <p><i>Reviewed the humidity levels in the ice rink and increased it by about 20% without causing operational problems. Previously the natural gas operated dehumidifier ran constantly; now it cycles on and off.</i></p> <p><i>Brighter lights in the indoor sports field allow us to usually have 2 banks of lights switched off.</i></p> <p><i>The introduction of the UV system in the pool has improved the air quality so much that one of our exhaust fans now only runs during peak times.</i></p>
Proposed Actions for Next Year	<p><i>4 court tennis bubble, which does not have any insulation in it, will be replaced with an insulated dome.</i></p> <p><i>The efficiency of the lighting in the pool area will be reviewed and improved.</i></p> <p><i>Installation of motion sensors in the washrooms at each of the recreation buildings.</i></p>

Action Type	Energy Generation (e.g. implemented heat recovery systems, solar)
Actions Taken this Year	
Proposed Actions for Next Year	<i>Improve the Monterey Recreation Centre's courtyard to make its heating more efficient.</i>

Action Type	Fleet (e.g. anti-idling policies for fleet vehicles, purchasing of hybrid)
Actions Taken this Year	
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	

Action Type	Water/Sewer (e.g. initiated water conservation and reduction initiatives)
Actions Taken this Year	<i>Low flow showers installed at the Recreation Centre, reducing the need for hot water which is heated by natural gas with some help from solar power panels and some heat reclamation from the arena.</i>
Proposed Actions for Next Year	

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

Action Type	<i>Other Actions</i>
Actions Taken this Year	<i>Created a Maintenance Operations and Energy Coordinator position at the Recreation Centre, with 50% funding from BC Hydro. This has allowed the Recreation Centre to focus on energy savings projects, focus on long-term and preventative maintenance and training at the recreation centres. Coordinator has produced quarterly reports on energy usage and progress of projects.</i>
Proposed Actions for Next Year	<i>Continued funding by the BC Hydro Energy Management Program for 2013 will allow the Maintenance Operations and Energy Coordinator to continue to find ways to reduce energy usage.</i>

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	

Carbon Neutral Progress Reporting

Emissions/Offsets	Tonnes CO2e
Corporate emissions using SMARTtool or equivalent inventory tool	1,156.6
Emissions from services delivered directly by the local government	0
<i>Emissions from contracted services</i>	0
<i>Less:</i>	
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>	
Household Organic Waste Composting	34.3
<i>Low Emissions Vehicles</i>	
Less:	
Offsets purchased for this reporting year (Option 3)	
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>	1,122.3

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	<i>Council has requested that its Environmental Advisory Committee examine the option of implementing an internal carbon fund, and give recommendations of the approach and policies that should be used. This is currently being done. At the May 20th meeting Council adopted the "making progress towards carbon neutrality" option under the BC climate Action Charter, and elected to retain the money originally budgeted for the purchase of carbon offsets until the recommendations of the environmental Advisory Committee have been considered.</i>

Offset Provider	
We have already purchased	
Or, will purchase by June 1, 2013	