

Climate Action Revenue Incentive Program (CARIP) Public Report

Climate Action Revenue Incentive (CARIP)

Public Report for YEAR 2013

City of Duncan

Cowichan Valley Regional District



Report Submitted by

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General Information

Name of Local Government	City of Duncan
Member of Regional District (RD)	Cowichan Valley Regional District
Regional Growth Strategy (RGS) in region	No
Population	4,932

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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	The City has been using CEEI data to measure emissions and will continue to use CEEI in the future. The newly adopted ICSP sets out additional sustainability indicators/monitoring, with approximately 24 indicators that the City will begin monitoring.

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	The OCP includes the target of reducing GHG emissions to 33% less than 2007 levels by 2020 and 80% less than 2007 levels by 2050.

1.3 Reduce

Supportive Community Wide Actions

Action Type	Broad Planning
Actions Taken this Year	Adoption of the Integrated Community Sustainability Plan which includes long term goals, new decision making tools, short term actions and revised Community Sustainability Checklist. Final draft of the Active Transportation Plan completed. Initiation of the University Village Local Area Plan.

Proposed Actions for Next Year	Implementation of the ICSP short-term action items with the oversight of the Environment Committee. Support development which increases density in the downtown and other appropriate areas, and contains features that improve conditions for alternative transportation methods.
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Action Type Building and Lighting

Actions Taken this Year	Newly revised Community Sustainability Checklist includes LEED building standards and energy conservation measures. City's participation in Earth Hour. A few developments were required to achieve green building certificates. Reduction of greenhouse gas emissions is encouraged in all Development Permit Areas.
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Proposed Actions for Next Year	Continued participation in Earth Hour and Earth Day events with other jurisdictions in the region. Consider incentives to support energy efficient development.
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Action Type Energy Generation

Actions Taken this Year	Installed two dual Level-2 electric vehicle charging stations for public use. Participated as a Solar BC Community and explored opportunities to incorporate solar energy use in the community. Construction of a new community cob oven.
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Proposed Actions for Next Year	Promote the continued awareness and use of electric vehicles charging stations.
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Action Type Green Space

Actions Taken this Year	Implementation of the Urban Forest Strategy, including public education and outreach, and requirement for developers to plant and replace trees, and tree planting through the City. Continued City support of local food production by allowing the weekly Duncan Farmers Market to operate in the City Square. Built a new pocket park on Canada Ave.
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Proposed Actions for Next Year	Working with Cowichan Green Communities to put on free education sessions on the urban forest and tree maintenance, and possibly develop a tree bylaw. Plant new trees and encourage and/or require developers to plant or preserve trees.
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Action Type Transportation

Actions Taken this Year	Final draft of Active Transportation Plan completed. Implemented a 100% rebate on monthly bus passes for Duncan residents. Addition of bus stops and installation of new bus shelters and benches.
Proposed Actions for Next Year	Finalize, adopt and carry out initiatives identified in the Active Transportation Plan, including adopting a complete streets policy, and bicycle/pedestrian network improvements. Undertaking further research on barriers to transit ridership.

Action Type	Waste
Actions Taken this Year	Ongoing pickup of organic waste and recycling. Initiation of a voluntary yard waste and glass recycling pick up program.
Proposed Actions for Next Year	Expansion of yard waste and glass pick up program to be a regular municipal service.

Action Type	Water/Sewer
Actions Taken this Year	Seasonal watering restrictions were applied. Low flow toilet rebates were issued.
Proposed Actions for Next Year	Implement water action events/awareness.

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

Direct Community Wide Actions

Action Type	Buildings
Actions Taken this Year	Implemented the use of the revised Community Sustainability Checklist and Development Permit Area Guidelines to encourage sustainable development through DP, DVP, rezoning and subdivision applications.

Proposed Actions for Next Year	Replacement of the City Hall heating and cooling system. Review the use of Development Permits to enhance energy efficiency of commercial and multi-family buildings.
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Action Type	Energy Generation
Actions Taken this Year	A study of alternative energy generation as district energy, solar power and wind generation assessed through University Village Local Area Plan.
Proposed Actions for Next Year	Upgrade to energy efficient lighting at Rotary Park. Conduct events to create awareness of alternative energy.

Action Type	Transportation
Actions Taken this Year	"Completion of traffic calming, improved pedestrian safety and share the road markers along Cairnsmore Street. RFPs received to improve pedestrian safety and traffic flow for Canada Avenue/Ingram Street Intersection. Addition of age friendly components to the Community Sustainability Checklist. The expansion of scope for the University Village Local Area Plan to include a detailed concept for the Trans Canada Highway Corridor. Replacement of one older Public Works service trucks with an electric Mighty-E truck."
Proposed Actions for Next Year	Create new bike lanes on Government Street and Canada Avenue. Undertaken other initiatives identified in the Active Transportation Plan. Complete the intersection redesign at Ingram Street/Queens Road and Canada Avenue. Continue to require sidewalk improvements and long-term and short-term bicycle storage.

Action Type	Waste
Actions Taken this Year	In April 2013, a Trial Monthly Residential Yard Waste Pickup Program began.
Proposed Actions for Next Year	Continue the Residential Yard Waste and Glass Recycling Pickup Program. Continue to work with community groups such as Cowichan Energy Alternatives to promote waste reduction.

Action Type	Water/Sewer
Actions Taken this Year	Substantial completion of commercial water metering program. Completion of Stormwater

Strategy Study	
Proposed Actions for Next Year	Commencement of the residential water metering program. Implementation of Stormwater Management recommendations

Action Type	Green Space
Actions Taken this Year	Completion of a new Pocket Park along Canada Avenue. Adoption of the Boulevard Maintenance Bylaw to encourage community members to care for and plant on boulevards. Development of public education brochures and information regarding urban forest for the city website.
Proposed Actions for Next Year	Free workshops to residents regarding the protection and enhancement of urban forest. Improvements to Rotary Park with the help of the Community Structure Improvement Fund. Continue tree planting and replacement according to the Urban Forest Strategy and develop public engagement tools and possibly a new Tree Bylaw.

Action Type	Other Actions
Actions Taken this Year	
Proposed Actions for Next Year	Use of bicycle courier for paperwork transfer between City Hall and Public Works

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	In 2009, the first Community Energy Report was created for 2007 and 2008 and developed a format for tracking corporate emissions, utilizing the fuel tracking program and energy bill.

Question	What tool are you using to measure, track and report on your corporate emissions?
Answer	SMARTtool, beginning in 2011 for 2010 data

2.2 Reduce

Supportive Corporate Actions

Action Type	Broad Planning
Actions Taken this Year	Replacement of one public works service vehicle for an electrical vehicle.
Proposed Actions for Next Year	Replacement of the City Hall heating and cooling system, to improve efficiency. Staff will use the energy audits to create action plans to reduce energy use in municipal buildings. Energy audit being undertaken at public works building

Action Type	Building and Lighting
Actions Taken this Year	Worked with the CVRD to identify potential future green energy generation projects, such as district energy.
Proposed Actions for Next Year	Work with the CVRD and the information from the CVRD Energy Mapping project to identify potential future green energy generation projects, such as district energy.

Action Type	Energy Generation
Actions Taken this Year	Purchase of electric Might-E truck for Public works. Purchase of bicycles for City Hall Staff and Public Works staff. The anti-idling policy was enforced. Fuel consumption for individual vehicles is tracked through a computer program. The City is a member of E3 Fleets. Several staff bike, walk or carpool to work.
Proposed Actions for Next Year	Work with E3 Fleets programs to decrease fuel consumption for city vehicles - new vehicle purchases will include a hybrid electric vehicle.

Action Type	Transportation
Actions Taken this Year	Promoted a trial Yard Waste program to pick up yard waste from single family homes, thus promoting composting and decreasing the number of vehicles going to the landfill
Proposed Actions for Next Year	Explore expansion of Yard Waste program to make a regular municipal service provided to all households.

Action Type	Water/Sewer
Actions Taken this Year	Continue to support the Cowichan Energy Alternatives' Community Carbon Marketplace through funding, carbon credit purchases, and awareness such as co-presenting with Cowichan Energy Alternatives at AVICC and UBCM conventions.
Proposed Actions for Next Year	

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

The energy audit for the Fire Hall and Public Works building included the potential for heat recovery systems, solar and geothermal energy.

Proposed Actions for Next Year

District energy will be considered at co-owned public buildings such as the Cowichan Aquatic Centre and the Island Savings Centre, the University Village Local Area Plan, and surrounding area.

Action Type Energy Generation

Actions Taken this Year

The City owns an electric truck used by Public Works, and a hybrid vehicle used by commissionaires, the building inspector and other staff. Bio-diesel is used for all powered vehicles in the fleet. Anti-idling policy is in place.

Proposed Actions for Next Year

Continue to replace vehicles with more fuel-efficient models and look for other opportunities to reduce fuel consumption.

Action Type Fleet

Actions Taken this Year

Collection of organic waste from corporate buildings began in March 2011. Monthly voluntary collection of yard waste for a small fee started this year.

Proposed Actions for Next Year

consider expanding the yard waste program to be a regular municipal service.

Action Type Waste

Actions Taken this Year

Upgraded irrigation systems in City Parks

Proposed Actions for Next Year

Continue upgrades to City facilities and systems.

Action Type Water/Sewer

Actions Taken this Year

Trees and other landscaping were planted at a new pocket park along Canada Avenue.

Proposed Actions for Next Year	Continue to plant trees and make other improvements to city-owned green space whenever possible and in conjunction with the Urban Forest Strategy.
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Action Type	Green Space
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Actions Taken this Year	
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Proposed Actions for Next Year	
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Action Type	Other Actions
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Actions Taken this Year	
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Proposed Actions for Next Year	
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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.
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Answer	
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Carbon Neutral Progress Reporting

3.1 Carbon Neutral Progress Reporting

Emissions/Offsets	Tonnes CO2e
Annual corporate emissions using SMARTTool or equivalent inventory tool	343.03
<i>Emissions from services delivered directly by the local government</i>	242.78
<i>Emissions from contracted services</i>	100.25
Less:	145
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>	145
<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>	
<i>Option 2 Project B</i>	
<i>Sum of Other Option 2 Projects (if you have added projects below)</i>	0
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>	198.03
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	

3.3 Offset Provider Information

Question	Please Identify the name(s) of your offset provider(s) (Please answer below):
Answer	Community Carbon Marketplace

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	Yes