

# Climate Action Revenue Incentive Program (CARIP) Public Reporting - Climate Actions Survey 2014

## BROAD PLANNING

	Yes	No	Please specify or comment
Since initially establishing OCP targets, policies, and actions for the reduction of greenhouse gas (GHG) emissions, as required by the Local Government Act, has your local government updated those targets, policies and actions?	False	True	The Climate Action section was added to the OCP in 2010. The OCP will undergo detailed review in approximately two years.
Variable			Response
Does your local government use the Community Energy and Emissions Inventory (CEEI) to measure progress?			Yes
Has your local government established Development Permit Areas (DPAs) for climate action (i.e. energy conservation, water conservation and/or GHG emission reduction)?			No

## CORPORATE - Broad Planning

	Actions taken in 2014	Actions proposed for 2015
Feasibility Studies, Research, Analysis	- Participation in the CVRD Regional Ground Water and Surface Water Management and Governance Study	
Plans, Policies, Regulations		- BC Hydro Quickstart Community Energy and Emissions Plan (May 2015)
Policy Implementation	- Incorporated Integrated Community Sustainability Plan recommended actions in the Strategic Plan.	- Adopt and implement the University Village Local Area Plan - Review OCP policies and Development Permit Areas.
Committees, Staffing	- Environment and Sustainability Committee - Junior Council	- Environment and Sustainability Committee - Junior Council

## COMMUNITY-WIDE - Broad Planning

	Actions taken in 2014	Actions proposed for 2015
Feasibility Studies, Research, Analysis		- BC Hydro Quickstart Community Energy and Emissions Plan (May 2015)
Plans, Policies, Regulations	- University Village Local Area Plan includes focus and policies related to energy efficiency and sustainability.	- Full review of the Zoning Bylaw - Development Permit Area review (and possibly other sections of the OCP). - Adopt the Tree Protection Bylaw, which includes tree replacement regulations and prohibition of cutting Significant Trees identified in the bylaw. - Municipal declaration of the Citizens' Right to Live in a Healthy Environment Resolution (endorsed Jan. 2015; indicators/monitoring by Dec. 2015) - Participate in the development of the Airshed Action Plan for the Cowichan Region.
Policy Implementation	- Incorporated Integrated Community Sustainability Plan recommended actions in the Strategic Plan and Environment Committee work plan.	- Adopt and implement the University Village Local Area Plan (includes energy efficiency policies for new development and improvements to encourage active transportation) - Implement a monitoring system related to the Integrated Community Sustainability Plan.
Community Education, Engagement	- Participated in the Regional Earth Day celebration, which took place in a City park. - New initiatives and policies are distributed in the newsletter mailed to all City households and in frequent Facebook page updates. The City also liaises frequently with local groups such as the DBIA.	- Partner with the Municipality of North Cowichan on community education events - Participate in the Regional Earth Day celebration, and provide information to the public on climate action/awareness.
Committees, Staffing	- Environment and Sustainability Committee - Junior Council	- Environment and Sustainability Committee - Junior Council

## BUILDINGS

Variable

Response

Does your local government have green building/construction policies, plans or programs?

Yes

### CORPORATE - Buildings

Actions taken in 2014

Actions proposed for 2015

Physical Improvements, Construction

- The natural gas heating/cooling system was replaced with new efficient heat pump technology.
- Window films were installed on City Hall windows to reduce energy consumption and heat loss.

- Lighting improvements at City Hall will be implemented based on the lighting audit and hydrodams will be installed to use waste heat from the HVAC to heat the water for the radiators.
- The Fire Hall will undergo significant upgrades to the building envelope and interior, including energy efficiency improvements.

Feasibility Studies, Research, Analysis

- BC Hydro energy assessments were completed on City Hall, Public Works buildings, and the Fire Hall.
- A lighting audit was conducted at City Hall.

### COMMUNITY-WIDE - Buildings

Actions taken in 2014

Actions proposed for 2015

Plans, Policies, Regulations

- Council will consider adopting DCC waiver and revitalization tax exemption bylaws for new high density and green certified development.

Policy Implementation

- Energy efficiency is encouraged and required where possible.
- One rezoning for a new mixed use development required green building certification.

- Continue to encourage and require energy efficiency where possible.

Community Education, Engagement

- Partner with other organizations, such as the Municipality of North Cowichan, to provide educational events to encourage reductions in home energy consumption.

Funding

- Rebate for woodstove replacement.
- Planning application fees (Development Permit/Rezoning) rebate for projects that achieve green building certification.

- Rebate for woodstove replacement.
- Rebate for replacement of oil furnaces with heat pumps.
- Planning application fees (Development Permit/Rezoning) rebate for projects that achieve green building certification will continue to be utilized.

## ENERGY GENERATION

Variable	Response
Has your local government undertaken district energy projects in 2014?	No
Has your local government undertaken renewable energy projects 2014?	No
Are you aware of the integrated resource recovery (IRR) guidance page on the BC Climate Action Toolkit? ( <a href="http://www.toolkit.bc.ca/tool/integrated-resource-recovery-irr">http://www.toolkit.bc.ca/tool/integrated-resource-recovery-irr</a> )	Yes

### CORPORATE - Energy Generation

Actions taken in 2014      Actions proposed for 2015

Feasibility Studies, Research, Analysis	- Explore feasibility of district heat/energy through the Joint Utilities Board (see wastewater section)
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### COMMUNITY-WIDE - Energy Generation

Actions taken in 2014      Actions proposed for 2015

Policy Implementation	- The University Village Sustainable Local Area Plan includes policy statements and guidelines for development, to encourage renewable energy and district energy.
Committees, Staffing	- Invite Cowichan Carbon Busters to make a presentation to the Environment and Sustainability Committee on the Cowichan Renewable Energy Cooperative and solar installations.

## GREENSPACE

Variable

Response

Does your local government have urban forest policies, plans or programs?

Yes

### COMMUNITY-WIDE - Greenspace

Actions taken in 2014

Actions proposed for 2015

Physical Improvements, Construction	<ul style="list-style-type: none"> <li>- The hedge between Canada Avenue and the Friendship trail was replaced with trees and low vegetation to encourage more use.</li> <li>- Outdoor exercise equipment was installed at Centennial Park.</li> <li>- SCADA systems were installed at McAdam and Rotary Park to provide better irrigation control.</li> </ul>	<ul style="list-style-type: none"> <li>- Additional outdoor exercise equipment will be installed at Centennial Park.</li> <li>- Improvements to lighting, garden beds, signage and shed will be made at the Jubilee Community Gardens (Centennial Park).</li> <li>- Add new plantings where feasible and require developers to plant boulevard trees where possible.</li> </ul>
Feasibility Studies, Research, Analysis		<ul style="list-style-type: none"> <li>- Study the feasibility of installing a multi-use pathway along some portions of the east side of the Trans Canada Highway as proposed in the TCH Corridor Plan.</li> </ul>
Plans, Policies, Regulations	<ul style="list-style-type: none"> <li>- A Tree Protection Bylaw was developed and underwent first and second readings.</li> </ul>	<ul style="list-style-type: none"> <li>- Consider adding acquisition of park space as a project in the new DCC bylaw.</li> </ul>
Policy Implementation	<ul style="list-style-type: none"> <li>- Continue to implement DPA guidelines related to landscaping and green space.</li> </ul>	<ul style="list-style-type: none"> <li>- Adopt and implement the Tree Protection Bylaw.</li> <li>- Continue to implement (and possibly refine) DPA guidelines related to landscaping and green space.</li> </ul>
Community Education, Engagement	<ul style="list-style-type: none"> <li>- Three free workshops were held on urban forest management for homeowners.</li> <li>- Two separate informational brochures were developed for homeowners and developers.</li> </ul>	<ul style="list-style-type: none"> <li>- The homeowner guide to urban forest management was mailed out to all households.</li> </ul>
Committees, Staffing	<ul style="list-style-type: none"> <li>- An urban forest management workshop was delivered to Public Works employees.</li> </ul>	

## SOLID WASTE

Variable	Response
Does your local government have construction and demolition waste reduction policies, plans or programs?	Yes
Does your local government have organics reduction/diversion policies, plans or programs?	Yes

## CORPORATE - Solid Waste

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction		- Consider adding recycling and composting bins downtown (2014 Junior Council recommendation).

## COMMUNITY-WIDE - Solid Waste

	Actions taken in 2014	Actions proposed for 2015
Feasibility Studies, Research, Analysis		- Consider options for residential film plastic pickup.
Policy Implementation	- Residential yard waste and glass pickup program expanded to 8 months.	- Expand residential yard waste and glass pickup program to 10 months.

## TRANSPORTATION

Variable	Response
Does your local government have policies, plans or programs to support alternative modes and technologies of transportation (e.g. walking, cycling, transit, electric vehicles)	Yes
Does your local government have a transportation demand management (TDM) strategy? ( <a href="http://www.toolkit.bc.ca/resource/transportation-demand-management-small-and-mid-sized-communities-toolkit">http://www.toolkit.bc.ca/resource/transportation-demand-management-small-and-mid-sized-communities-toolkit</a> )	No
Does your local government have policies, plans or programs to support local food production (thus reducing transportation emissions)?	Yes

## CORPORATE - Transportation

	Actions taken in 2014	Actions proposed for 2015
Policy Implementation	<ul style="list-style-type: none"> <li>- Explored efficient vehicle options when purchasing new vehicles.</li> <li>- Followed regular maintenance plans to maintain optimal efficiency.</li> <li>- Bikes available for staff at City Hall and Public Works.</li> </ul>	<ul style="list-style-type: none"> <li>- Explore efficient vehicle options when purchasing new vehicles.</li> <li>- Follow regular maintenance plans to maintain optimal efficiency.</li> <li>- Bikes available for staff at City Hall and Public Works.</li> </ul>
Employee Training, Awareness	<ul style="list-style-type: none"> <li>- Bike safety training for staff.</li> </ul>	

## COMMUNITY-WIDE - Transportation

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction		<ul style="list-style-type: none"> <li>- Install bike lanes on Canada Avenue and Government Street, and improve pedestrian facilities on Canada Avenue and Ingram Street.</li> </ul>
Plans, Policies, Regulations	<ul style="list-style-type: none"> <li>- Adopted the Duncan Area Active Transportation Plan.</li> </ul>	
Policy Implementation	<ul style="list-style-type: none"> <li>- Yard waste and glass pickup was conducted 8 times, reducing the need for individual travel to facilities for community members.</li> <li>- 2 free dual-head level 2 electric vehicle chargers available for the public.</li> </ul>	<ul style="list-style-type: none"> <li>- Implement recommendations of the Active Transportation Plan sidewalk improvements on Canada Avenue.</li> <li>- 2 free dual-head level 2 electric vehicle chargers available for the public.</li> </ul>
Community Education, Engagement	<ul style="list-style-type: none"> <li>- Consulted with the public, DBIA and cycling groups on improvements.</li> </ul>	<ul style="list-style-type: none"> <li>- Continue to consult with the public on future improvements.</li> </ul>
Committees, Staffing		<ul style="list-style-type: none"> <li>- Explore development of a regional Active Transportation Committee.</li> </ul>
Funding	<ul style="list-style-type: none"> <li>- 100% Bus Pass Rebate for City of Duncan citizens.</li> <li>- Successfully applied to the provincial Cycling Infrastructure Partnership Program grant for the installation of bike lanes on Government Street.</li> <li>- Provided a grant in aid for the Cowichan Biodiesel Co-op to improve their equipment.</li> </ul>	<ul style="list-style-type: none"> <li>- Continue and promote the bus pass rebate program.</li> </ul>

## WATER and WASTEWATER

Variable

Response

Does your local government have water conservation policies, plans or programs?

Yes

### CORPORATE - Water and Wastewater

Actions taken in 2014

Actions proposed for 2015

Physical Improvements, Construction	<ul style="list-style-type: none"> <li>- Installed SCADA systems at Rotary and McAdam Parks.</li> <li>- Continued commercial water metering installation.</li> </ul>	<ul style="list-style-type: none"> <li>- Begin installation of residential water meters.</li> </ul>
Feasibility Studies, Research, Analysis	<ul style="list-style-type: none"> <li>- Participated in the Cowichan Regional Ground and Surface Water Management &amp; Governance Study .</li> </ul>	
Plans, Policies, Regulations	<ul style="list-style-type: none"> <li>- Worked with other Joint Utilities Board (JUB) and CVRD partners on the update to the Central Sector Liquid Waste Management Plan (CSLWMP).</li> </ul>	<ul style="list-style-type: none"> <li>- Continue the CSLWMP process.</li> <li>- Continue the regional watershed planning process.</li> </ul>
Policy Implementation	<ul style="list-style-type: none"> <li>- Joined the Cowichan Watershed Board Water Conservation Challenge.</li> <li>- Followed watering restrictions during the summer drought period.</li> </ul>	<ul style="list-style-type: none"> <li>- Follow watering restrictions.</li> <li>- Implementation of Stormwater Management Plan recommendations.</li> </ul>
Committees, Staffing	<ul style="list-style-type: none"> <li>- The Environment and Sustainability Committee supported the work of the Cowichan Watershed Board on publicizing the water conservation challenge.</li> </ul>	
Funding		<ul style="list-style-type: none"> <li>- Submit a grant application with the JUB for funding assistance to relocate the sewer outfall from the Cowichan River to Satellite Channel, and to build a heat energy recovery system.</li> </ul>

## COMMUNITY-WIDE - Water and Wastewater

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction	<ul style="list-style-type: none"> <li>- Implemented watering restrictions during the summer months.</li> <li>- Require on site Stormwater dispersal/retention.</li> <li>- Continued commercial water metering installation.</li> </ul>	<ul style="list-style-type: none"> <li>- Implement watering restrictions during the summer months.</li> <li>- Require on site Stormwater dispersal/retention.</li> <li>- Begin installation of residential water meters.</li> </ul>
Plans, Policies, Regulations		<ul style="list-style-type: none"> <li>- Work with neighbouring jurisdictions to ensure watering restrictions are standard in the region.</li> </ul>
Community Education, Engagement	<ul style="list-style-type: none"> <li>- Participated in and contributed funding to water conservation awareness events.</li> </ul>	

## OTHER CLIMATE ACTIONS

Variable	Response
Has your local government begun to integrate the impacts of a changing climate (adaptation) into its planning and operations?	Yes
Are you aware of the climate change adaptation guidance page on the BC Climate Action Toolkit? ( <a href="http://www.toolkit.bc.ca/adaptation-challenges-and-opportunities">http://www.toolkit.bc.ca/adaptation-challenges-and-opportunities</a> )	Yes

## CORPORATE - Other Climate Action

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction	<ul style="list-style-type: none"> <li>- Upgraded lighting to energy efficient lighting at Rotary Park.</li> </ul>	

## INNOVATION

### COMMUNITY-WIDE - Innovation

Please describe any innovative community-wide actions taken in 2014 and add links to additional information where possible.

Provided a grant in aid to support the promotion of the Community Carbon Marketplace in other regions of British Columbia. [http://www.communitycarbonmarketplace.com/carbon\\_community/](http://www.communitycarbonmarketplace.com/carbon_community/)

## LOCAL GOVERNMENT INFORMATION

Variable	Response
LOCAL GOVERNMENT INFORMATION   Name of Local Government	Duncan, The Corporation of the City of
LOCAL GOVERNMENT INFORMATION   Name of member Regional District (RD)	Cowichan Valley
LOCAL GOVERNMENT INFORMATION   Regional Growth Strategy (RGS) in your region	No
LOCAL GOVERNMENT INFORMATION   Population	0-4,999

## Submitted by:

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