

Comox Valley Regional District

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

BROAD PLANNING

Broad Planning refers to the high level, strategic planning that sets the stage for GHG reductions. Land use planning that focuses on Smart Growth principles (compact, complete, connected and centred) plays an especially important role in energy and GHG reduction.

	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?	True		Rural Comox Valley Official Community Plan Bylaw No. 337 was adopted in November 2014. The updated bylaw contains many policies aimed at reducing community GHG emissions.

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
Policy Implementation	Continued implementation of Corporate Energy Plan	Review of corporate GHG emissions reduction target in Corporate Energy Plan
Committees, Staffing	Manager of Transit and Sustainability Policy and Sustainability Analyst	Manager of Transit and Sustainability Policy and Sustainability Analyst

COMMUNITY-WIDE - Broad Planning

	Actions taken in 2014	Actions proposed for 2015
Plans, Policies, Regulations	The Rural Comox Valley Community Plan, Bylaw 337 was updated and adopted.	Development of local area plans for Settlement Nodes identified in RGS and Rural OCP
Policy Implementation	Continued implementation of the adopted Regional Growth Strategy (RGS), including monitoring of RGS indicators.	Phase 2 of Comox Valley Sustainability Strategy Implementation
Committees, Staffing	Long Range planner hired in late 2014	

Buildings

BUILDINGS

Low-carbon buildings use the minimum amount of energy needed to provide comfort and safety for their inhabitants, and tap into renewable energy sources for heating, cooling and power. These buildings can save money, especially viewed over the long term.

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	Implementation of select recommendations from Corporate Energy Plan audits at CVRD sports and aquatic centres	Construction of new fire hall on Hornby Island (pending referendum), which is being designed to "Passive House" standard. Update to curling rink facility, including energy efficiency improvements
Feasibility Studies, Research, Analysis	Planning for a new integrated office building, to be built to LEED equivalent standard.	Analysis and cost estimates for ice plant heat recovery project at Comox Valley Sports Centre
Plans, Policies, Regulations		Planning for solar hot water demonstration system at Comox Valley sports or aquatic centre
Employee Training,		Participation in applicable energy efficient and renewable energy study

Awareness	tours
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COMMUNITY-WIDE - Buildings

	Actions taken in 2014	Actions proposed for 2015
Policy Implementation		Phase 2 implementation for Comox Valley Sustainability Strategy
Community Education, Engagement	Offered a second phase home energy efficiency program to 48 electoral area households, with a focus on draft-sealing and education. Program results include total estimated energy reductions of 20,000 kWh/year	Offer third phase home energy efficiency program, in partnership with utilities where possible

Energy Generation

ENERGY GENERATION

A transition to renewable or low-emission energy sources for heating, cooling and power supports large, long-term GHG emissions reductions. Renewable energy including waste heat recovery (e.g. from biogas and biomass), geo-exchange, micro hydroelectric, solar thermal and solar photovoltaic, heat pumps, tidal, wave, and wind energy can be implemented at different scales, e.g. in individual homes, or integrated across neighbourhoods through district energy or co-generation systems.

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

CORPORATE - Energy Generation

	Actions taken in 2014	Actions proposed for 2015
Feasibility Studies, Research, Analysis	Analysis of electricity generation data from first full operations year of solar PV installations at four CVRD locations	Integrated office building design to include considerations for renewable energy generation
Employee Training, Awareness	Promoted effectiveness of solar PV installations to all staff, including a summary of estimated energy savings	

COMMUNITY-WIDE - Energy Generation

	Actions taken in 2014	Actions proposed for 2015
Feasibility Studies, Research, Analysis	Facilitated discussion of district energy options as identified in 2013 integrated resource recovery options report	Investigate (and implement if possible) low or no-interest loans to homeowners interested in installing renewable energy infrastructure at their residences.
Plans, Policies, Regulations	2014 Rural Comox Valley OCP policy to enable density bonusing for developments that use technologies that reduce energy use	
Community Education, Engagement	Analysis of one full year of energy generation at renewable energy demonstration sites & communication of results to staff, elected officials & public	Recently released a "Solar Power in BC" video (posted at www.comoxvalleyrd.ca/solarpower), continued promotion of this video

Greenspace

GREENSPACE

Greenspace refers to parks and greenways, boulevards, community forests, urban agriculture, riparian areas, gardens, recreation/school sites, and other green spaces, such as remediated brownfield/contaminated sites. Greenspaces support climate change mitigation (reducing emissions by absorbing and sequestering GHG) and adaptation (providing shade, cooling, deflecting strong wind, and improving air quality).

Variable	Response
Does your local government have urban forest policies, plans or programs?	No

COMMUNITY-WIDE - Greenspace

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction	Completed upgrades to the Royston Waterfront Trail; Acquired Royston-Cumberland trail property and completed upgrades to existing trail;	Upgrade Royston Marine drive; Pinecrest Bike facility; Extensions of one spot trail; Improve Beach accesses; Masters Park Bridge

	Extension of One Spot trail	upgrades; implement inactive parks
Feasibility Studies, Research, Analysis	Pinecrest demographics study	
Plans, Policies, Regulations	Park master planning process for Mt. Geoffrey Nature Park on Hornby Island; Planning work for Denman cross-island trail	Park master planning process for Mt. Geoffrey Nature Park on Hornby Island; Planning work for Denman cross-island trail; Seal Bay Master plan
Policy Implementation	Implemented a parkland acquisition and parkland development cost charges bylaw to fund priorities in the Rural CVRD Parks and Greenways Plan	
Community Education, Engagement	Open house on Hornby; Mount Geoffrey Open House; Royston Marine Drive Open house; Invasive Species outreach	Invasive species outreach, public engagement for park development at Pinecrest, Mt Geoffrey, Seal Bay, Beach Accesses, Inactive Parks
Committees, Staffing	Watershed Advisory Group, Komoks Estuary Management Group; Regional invasive Group.	Additional part-time staff hired; committees include Watershed Advisory Group, Komoks Estuary Management Group; Regional invasive Group.

Solid Waste

SOLID WASTE

Reducing, reusing, recycling, recovering and managing the disposal of the residual solid waste minimizes environmental impacts and supports sustainable environmental management, greenhouse gas reductions, and improved air and water quality.

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

COMMUNITY-WIDE - Solid Waste

	Actions taken in 2014	Actions proposed for 2015
Physical	First phase closure infrastructure installed	First phase closure works for

Improvements, Construction	for Campbell River, Tahsis and Zeballos landfills to improve environmental performance	Comox Valley & Gold River landfills
Feasibility Studies, Research, Analysis	Pilot organics composting program	Study work towards expansion of organics composting region-wide
Policy Implementation	Implementation of the approved solid waste management plan	
Community Education, Engagement	On-going waste reduction activities and education; Improved illegal dumping outreach program	On-going waste reduction activities and education; Continued illegal dumping outreach program

Transportation

TRANSPORTATION

Transportation actions that increase transportation system efficiency, emphasize the movement of people and goods, and give priority to more efficient modes, e.g. walking, cycling, ridesharing, and public transit, can contribute to reductions in greenhouse gas emissions and more livable communities.

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? (http://www.toolkit.bc.ca/resource/transportation-demand-management-small-and-mid-sized-communities-toolkit)	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
Employee Training, Awareness	Participated in and Promoted "Bike to Work" week for staff. Offered "SmartDriver in the City" training program to educate staff on fuel efficient driving techniques. Promotion of Google Transit trip planning	Continued participation in "Bike to Work" week. Promotion of car-pooling options

COMMUNITY-WIDE - Transportation

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction	Installed 10 artistic bike racks at various rural CVRD locations. Installed a transit shelter at Saratoga Beach	
Feasibility Studies, Research, Analysis		Advance design work for high priority cycling network connections and pursue grant funding opportunities for construction
Plans, Policies, Regulations	Worked with BC Transit to complete the Transit Future Plan for the Comox Valley transit system. Worked with Ministry of Transportation and Infrastructure (MOTI) to complete a Transportation Road Network Plan for the electoral areas	Initiate planning work for bus stop installation along rural bus routes to phase out "flagging" system and improve accessibility of transit service to rural residents
Policy Implementation		Transit Future Plan implementation; Implementation agreement with MOTI for Transportation Road Network Plan
Community Education, Engagement	Public education regarding transportation alternatives, including public involvement contests regarding cycling, car-pooling, walking and transit, transit educator present at multiple community events	Electric vehicle "cars and coffee" public information event, transit education and marketing

Water and Wastewater

WATER and WASTEWATER

Managing and reducing water consumption and wastewater is an important aspect of developing a sustainable built environment that supports healthy communities, protects ecological integrity, and reduces greenhouse gas emissions.

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

COMMUNITY-WIDE - Water and Wastewater

Actions taken in 2014

Actions proposed for 2015

Plans, Policies, Regulations	Continued implementation of Water Efficiency Plan; Continued water leak detection projectInitiated a liquid waste management planning process for the south region, with the aim of addressing impacts of failing on-site septic systems; Bylaw No. 337 (Rural Comox Valley OCP) contains policies to promote water conservation, watershed protection.	Conclude south region liquid waste management planning process, recommending a final wastewater management solution for the area.
Policy Implementation	Commenced volume-based billing for metered regional district electoral area water service customers	
Community Education, Engagement	Education and enforcement of staged water restrictions; Community engagement component of south region liquid waste management plan	Continued education and enforcement of staged water restrictions; Continued community engagement for south region LWMP process

Other Climate Actions

OTHER CLIMATE ACTIONS

This section is intended to give local governments a chance to record other climate actions that could not be captured in the above sectors, including climate change adaptation actions and air quality 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? (http://www.toolkit.bc.ca/adaptation-challenges-and-opportunities)	Yes

CORPORATE - Other Climate Action

Actions taken in 2014

Actions proposed for 2015

Plans, Policies, Regulations	Business continuity planning for implementation for climate-related natural disasters
Employee Training, Awareness	Business continuity planning workshops

COMMUNITY-WIDE - Other Climate Action

	Actions taken in 2014	Actions proposed for 2015
Plans, Policies, Regulations	Initiated development of community climate change action plan (CCAP) for CVRD electoral areas; Bylaw No. 337 (Rural Comox Valley OCP) incorporated GHG targets; climate change adaptation policies.	Complete CCAP and commence implementation

Innovation

INNOVATION

This section is intended to give your local government an opportunity to describe any energy and GHG emission reduction activities that have been undertaken over the past year(s) that your local government is particularly proud of and would like to share with other local governments.

CORPORATE - Innovation

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

Completed the first phase of the Comox Valley Community carbon marketplace with the objective of offsetting corporate emissions by supporting local GHG emissions reduction projects. A short-list of approximately 6 projects is being assessed in the early part of 2015, with the objective of having local credits available for a portion of 2014 corporate emissions.

COMMUNITY-WIDE - Innovation

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

Completed the first phase of the Comox Valley Community carbon marketplace with the objective of supporting community GHG emissions reduction projects and offsetting corporate emissions. A short-list of approximately 6 local projects is being assessed in the early part of 2015, with the objective of having local credits available for a portion of 2014 corporate emissions.

Local Government Information

LOCAL GOVERNMENT INFORMATION

Variable	Response
LOCAL GOVERNMENT INFORMATION Name of Local Government	Comox Valley Regional District
LOCAL GOVERNMENT INFORMATION Name of member Regional District (RD)	Comox Valley
LOCAL GOVERNMENT INFORMATION Regional Growth Strategy (RGS) in your region	Yes
LOCAL GOVERNMENT INFORMATION Population	50,000-99,999

Submitted by:

Variable	Response
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Before submitting your survey, please ensure that it is your local government's complete and final 2014 Climate Actions Survey. Please submit this survey only once.

Is this your local government's complete and final 2014 Climate Actions Survey?

Yes