

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

<http://fluidsurveys.com/surveys/irpb/carip/02459938b291ba06821cb3ba5d0ecbf1859559f3/>

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Welcome and Instructions

WELCOME and INSTRUCTIONS

Welcome to the new online format of the Climate Actions Survey! [Reporting Process and Key Deadlines](#) We have made some exciting improvements to the CARIP public reporting process this year by moving to a new online survey format. The online survey format is intended to streamline and enhance the annual CARIP reporting process. As outlined in the CARIP Program Guide for 2014 Claims, B.C. local governments must complete and submit to the Province two online surveys – the Climate Actions Survey and the Carbon Neutral Progress Survey – and make the reports generated from those surveys public by the following dates: Climate Actions Survey – March 8, 2015 Carbon Neutral Progress Survey – June 2, 2015 These two online surveys replace the CARIP Public Reporting Template used in previous years. The surveys provide the same opportunity for local governments to describe actions, undertaken in 2014 and planned for 2015, to reduce GHG emissions and create more complete, compact and energy efficient communities. A CARIP public report attestation form, signed by the Financial Officer, must also be completed for each survey and submitted to the Province. For more information on the grant program requirements, please see the CARIP Program Guide for 2014 Claims

at: <http://www.cscd.gov.bc.ca/lgd/greencommunities/carip.htm> [Key Differences in the New Online Climate Actions Survey](#)

This Climate Actions Survey replaces the Corporate Actions and Community-Wide Actions worksheets in the previous CARIP Public Reporting Template. Although the information you will be reporting is very much the same, the survey is organized differently. Key differences are: Sectors (e.g. 'Broad Planning', 'Transportation' etc.) now have their own sector tabs (listed at the top of each page of the survey). Corporate and community-wide actions are reported under each sector tab and no longer reported separately. The 'Greenspace' sector only has a community-wide actions section, as corporate actions are not reported in 'Greenspace'. Corporate and community-wide actions are reported according to seven new categories of actions, and no longer reported according to the categories 'supportive' and 'direct'. The seven action categories are: Physical Improvements, Construction Feasibility Studies, Research, Analysis Plans, Policies, Regulations Policy Implementation Community Education, Engagement (community-wide only) Employee Training, Awareness (corporate only) Committees, Staffing Funding Note: These action categories were developed based on an extensive review of the

types of actions reported by local governments in previous CARIP reports. The new categories are intended to improve the organization of information and streamline the reporting process. For convenience, the 'Action Examples' tab includes a selection of previously-reported CARIP actions that have been categorized according to the new action categories. The examples are intended to help local governments understand where their climate actions best fit in the new survey format. Each sector tab includes one to three simple 'yes/no' type questions. The purpose of the questions is to highlight local government progress on key action items, and to draw attention to relevant tools, guides and other supports available to support local government climate action.

Instructions for Completing the Survey After reading these instructions, it is recommended that you click through the survey tabs to familiarize yourself with the survey layout and the information needed to be gathered to complete the survey. You can navigate through the survey using the 'next' and 'back' buttons at the bottom of each survey page or by clicking on the sector tabs at the top of each survey page (please do not use the browser's back and forward buttons or your information may not be saved). The 'save and continue later' button at the bottom of each page allows you to save the survey and complete it later. There is also a 'Local Government Information' tab. This tab is the last page of the survey and must be completed in full prior to submitting the survey. Use the 'submit' button located on the 'Local Government Information' tab to submit your survey. Please be sure that it is your local government's complete and final 2014 survey, and submit the survey once only. After submitting your survey, please ensure that you download a copy of the report from the 'Thank You' page and make that report public by the date identified in the CARIP Program Guide for 2014 Claims

(<http://www.cscd.gov.bc.ca/lgd/greencommunities/carip.htm>). You will note that the report generated includes the instructions provided to you in this survey, as a result, you may want to remove these instructions prior to making your report public.

FAQ's How can I save and complete my survey later? Click on the 'save and continue later' button that is located at the bottom of each page. You will be prompted to provide your email address so that the link to access your saved survey can be emailed to you, and/or you can bookmark or copy the link provided. How can I send the survey to others to work on? Follow the instructions above for 'save and continue later', and then forward the link to others to work on. Please Note: You may want to save a Word copy of the report for yourself, prior to forwarding the link.

Can multiple people work on the survey at one time? No, only one person can work on the survey at any one time, or you will risk some of your responses not being processed. Do I have to fill in all the boxes on each of the sector tabs? Due to the diversity of B.C. local governments, it is recognized that the type and number of actions will vary between communities and also may vary from year to year for individual communities, and as a result, you are not required to fill in all the boxes on each of the sector tabs. How do I know if an action belongs under Corporate or Community-wide Actions? If the action is undertaken to reduce energy consumption and GHG emissions in the community at-large, then it is a community-wide action. If the action is undertaken to reduce energy consumption and GHG emissions in local government corporate operations, then it is a corporate action. The Government of BC will not collect, use, or disclose personal information using SurveyMonkey. Please be aware however that IP addresses are collected by SurveyMonkey itself, and these IP addresses and other information collected will be stored on SurveyMonkey's servers located outside of Canada. This survey is

voluntary and a response is encouraged, not required. Please do not provide any third-party information (i.e. talk about others) in your responses to the survey.

Action Examples

ACTION EXAMPLES

This section includes a selection of previously-reported CARIP actions that have been categorized according to the new action categories. The examples are provided as a reference and are intended to help local governments understand where their climate actions best fit in the new survey format. For lists of all the corporate and community-wide actions reported under the CARIP in previous years, see: <http://www.cscd.gov.bc.ca/lgd/greencommunities/carip.htm>

CORPORATE– Examples previously reported by local governments in CARIP
Physical Improvements, Construction
Building insulation Solar lighting (signage and trails)
Electric vehicles, bikes
Receptacles for recycling in civic spaces and facilities
Water efficient fixtures in public buildings
Rain gardens at public facilities
Feasibility Studies, Research, Analysis
Corporate energy & GHG emissions audit
Lighting assessment District energy feasibility study
GPS monitoring of fleet for fuel efficiency
Waste audit
Monitor flow/rainwater retention from corporate green roof/living wall
Plans, Policies, Regulations
Corporate energy and emissions plan
Building energy management plan Plans for rooftop solar thermal system installation in civic facilities
Right-sizing vehicle policy Corporate zero-waste policy
Green operations plan including for water use in major city operations
Policy Implementation
Eco-friendly procurement
Energy Star compliance
Participate in biofuel boiler district energy system for public pool
Regular maintenance schedule for fuel efficiency (e.g. tire pressure check)
Reused recycled materials in corporate operations (e.g. asphalt, wood chips)
Rainwater harvesting and water reuse in municipal/RD facilities (e.g. vehicle cleaning)
Environmental performance parameters in waste hauling contract
Employee Training, Awareness
Dollars to Sense training (NRCAN)
RET
Screen training Staff working sessions on district energy
Driving for fuel efficiency training
Green events - equipment for 4-stream collection bins available to borrow
Water Smart ambassador
Committees, Staffing
Corporate Energy Manager
Manager of Environmental & Building Construction Services
Corporate Climate and Energy Committee
Corporate Zero-Waste Coordinator
Funding
Gas Tax funding BC Transit's ProPass COMMUNITY-WIDE –
Examples previously reported by local governments in CARIP
Physical Improvements, Construction
Energy efficient senior's and social housing Small-scale wind turbine demonstration project
Park expansion
Sidewalk improvements
On-street recycling facilities
Storm/rainwater retention (e.g. permeable paving, bioswales)
Feasibility Studies, Research, Analysis
Residential densification study
Community Energy and Emissions Modeling (CEEM) District energy feasibility assessment Tree inventory
Feasibility study for installation of electric vehicle charging infrastructure
Waste composition study
Water metering assessment; source to tap assessment
Plans, Policies, Regulations
Climate action plan
Passive solar

siting policy Solar Hot Water Ready Regulation Master parks and open space plan Policy for bike facilities in all new developments Landfill gas management plan Permeability policy and regulation, e.g. for parking lots Policy Implementation Smart growth/green building checklist Fast-tracked high performance buildings Enforced solar ready requirements Grow-a-Tree Program Improved transit service (e.g. increased hours) Increased residential waste collection service Watering restrictions and enforcement Community Education, Engagement Energy symposium Building energy labelling Hosted training session/tour of solar hot water installations Nature programming Bike/Walk to Work/School Week Community garage sale events Drinking Water Week; Rainwater Harvesting Best Practices Guide Committees, Staffing Community Energy Manager Community Energy Committee Worked with Regional District to identify future green energy generation projects Communities in Bloom Committee Hired a Transportation Demand Management Coordinator Hired specialized position for waste reduction Water Resource Action Committee Funding Green Municipal Fund Green Building Rebates Incentives for homeowners who install solar hot water heating TD Green Streets Grant Class Rides Free Program (transit) Funding to elementary school program focused on zero waste Washing machine rebates (BC Hydro partner)

Broad Planning

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. Plans that relate to a certain sector should be included in that sector, e.g. transportation plans in the 'Transportation' sector. In the appropriate boxes below, please record all corporate and community-wide actions taken in 2014 and proposed for 2015. Number and type of actions will vary by community. Please refer to the 'Action Examples' tab above for assistance in understanding the type of information to include in each action category. If the action was taken in partnership, please indicate with whom.

	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	Adopted BC Climate Action Plan Targets. Have not reexamined them since.

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)?

Yes

CORPORATE - Broad Planning

	Actions taken in 2014	Actions proposed for 2015
Feasibility Studies, Research, Analysis	Verification and validation of over 24,000 tonnes of reductions from Regional Landfill.	Facilities review (Firehalls) for efficiency upgrades, renewable energy systems and other opportunities to reduce cost savings. Opportunities for integrated resource recovery to accompany design development of secondary treatment upgrade at major pollution control centre; Verification and validation of over 24,000 tonnes CO ₂ e reductions at Regional Landfill; Identify legal instruments to allow investment of corporate funds in private forest land conservation for the purpose of contributing toward Carbon Neutral Operations; Assessment of vulnerability of infrastructure to the effects of climate change (SLR)
Plans, Policies, Regulations	Initiated the development of an Integrated Asset Management Strategy and Implementation Plan to support sustainable service delivery; Initiated organization wide operational and efficiency review;	Update and expand Strategic Energy Management Plan; Develop Board Strategic Plan for new term of office;
Policy Implementation	Continued implementation of Green Building policy for RDN facilities;	Reviewing Green Building Policy for RDN Facilities, and revising as necessary; Implement recommendations from Corporate Operational and Efficiency Review; Implement Year 1 tasks for Integrated Asset Management Strategy
Employee Training, Awareness	Coordinated interdepartmental and inter-agency workshop on Fostering Sustainable Behaviour. Staff training for Community Based Social Marketing. Staff training, workshops and conferences in Asset Management, including first course in	Training for Sustainability Coordinator for Codes and Standards in BCIT Sustainable Energy Management Program

Committees, Staffing	Certified Asset Management Professional Program;	
	Established Asset Management Working Group;Established Interdepartmental Meeting for Coordinators enhance communication, reduce duplication of effort and build more effective teams;Sustainability Coordinator participating in staff meetings across departments to raise awareness of initiatives and opportunities for conservation in the workplace.	Continue Interdepartmental Coordinators' Meetings;Continue Asset Management Working GroupSustainability Coordinator participating in staff meetings across departments to raise awareness of initiatives and opportunities for conservation in the workplace.
Funding	Continued contribution of CARIP rebate into reserve fund dedicated to corporate efficiency upgrades;Continued internalization of non-neutralized emissions at the rate of \$25 per tonne, contributed to reserve to invest in regional emission reduction projects.	May consolidate reserve funds to increase flexibility to disburse funds within the organization as well as in the community;Considering the sale of offsets generated at the Regional Landfill to support innovation at the facility.

COMMUNITY-WIDE - Broad Planning

	Actions taken in 2014	Actions proposed for 2015
Feasibility Studies, Research, Analysis	(No response)	Climate Change adaptation - review of community vulnerability in coastal areas (to be confirmed);Assist with the development of renewable energy projects in the region.
Plans, Policies, Regulations	Initiated Amendment of Land Use and Development Regulation Bylaw to better accommodate renewable energy systems and passive design features; Execution of phased development agreement for more compact, green community	Review of OCPs and RGS for barriers to green building and renewable energy systems.
Policy Implementation	(No response)	Land Use and Development Regulation Bylaw amendments adopted Feb. '15, now in effect; Implementation of the Housing Action Plan;Implementation of the Area Agriculture Plan - support a viable agricultural economy and

Community Education, Engagement	Green Building Workshops and open house series highlighting residential scale renewable energy systems in the region;ongoing WaterSmart workshops through Drinking Water Watershed Protection Program;Continued outreach on RDN rebate programs;Developed program with City of Nanaimo and external funding agencies to train real estate agents on EnerGuide Rating and the value of energy conservation in the home;Coordinated and delivered a Community Climate Action Symposium	Green Building Workshops and open house series highlighting residential scale renewable energy systems in the region;ongoing WaterSmart workshops through Drinking Water Watershed Protection Program;Continued outreach on RDN rebate programs;Complete third Green Building Guidebook - Sustainable Site Design and Subdivision;Initiate fourth Guidebook on Greywater Systems
Committees, Staffing	(No response)	(No response)
Funding	Funding set aside to invest in regional emission reduction projects for the purpose of achieving corporate carbon neutral operations.	Exploring options to invest corporate funds in private land conservation as a regional emission reduction project;Considering incentives to support the development of Secondary Suited;Up to \$40,000 available for Green Building incentives

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. In the appropriate boxes below, please record all corporate and community-wide actions taken in 2014 and proposed for 2015. Number and type of actions will vary by community. Please refer to the 'Action Examples' tab above for assistance in understanding the type of information to include in each action category. If the action was taken in partnership, please indicate with whom.

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	Detailed Design for Landfill operations and maintenance buildings;	Decontamination facility at Pollution Control Centre Completion of third digester and upgrade to secondary treatment at major pollution control centre initiated
Feasibility Studies, Research, Analysis	Review of District 69 Arena; Final Commissioning of Cogen facility at major pollution control centre;	Feasibility Studies for Renewable Energy Systems and other efficiency upgrades for firehalls; identify projects suitable for funding through CARIP rebate (Corporate Climate Action Fund)
Plans, Policies, Regulations	Initiate development of Integrated Strategic Asset Management Plan	Review and update Green Building Policy for RDN Facilities; Revise and update strategic energy management plan; Develop Integrated Strategic Asset Management Plan
Policy Implementation	Continued Implementation of Green Building policy for all building projects	Implement Integrated Strategic Asset Management Plan; Implement revised Green Building Policy
Employee Training, Awareness	Codes and Standards course from BCIT Strategic Energy Management Program	Employee awareness after completion of revised Green Building policy
Committees, Staffing	(No response)	(No response)
Funding	\$50,000 disbursed, \$30,000 committed to building related, capital efficiency upgrades	Disburse committed funds and identify projects suitable for additional investment in efficiency upgrades

COMMUNITY-WIDE - Buildings

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction	(No response)	(No response)
Feasibility Studies, Research, Analysis	(No response)	(No response)
Plans, Policies, Regulations	Completed Phased Development Agreement for Major sustainable community development project.	(No response)

Policy Implementation	(No response)	Implement Phased Development for Major sustainable community development project
Community Education, Engagement	Green Building Workshops and Open houses highlighting residential renewable energy systems.	Green Building Workshops and Open houses highlighting residential renewable energy systems;Compete Green Building Guidebook on Sustainable Site Design and Subdivision.
Committees, Staffing	(No response)	(No response)
Funding	Contribute \$20,000 in green building incentives across region	Contribute up to \$20,000 toward Renewable energy system at local non-profit facility;Contribute up to \$40,000 in green building incentives across the region.

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. In the appropriate boxes below, please record all corporate and community-wide actions taken in 2014 and proposed for 2015. Number and type of actions will vary by community. Please refer to the 'Action Examples' tab above for assistance in understanding the type of information to include in each action category. If the action was taken in partnership, please indicate with whom.

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)	No

CORPORATE - Energy Generation

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements,	Ongoing maintenance and enhancement of landfill gas capture system;Final Commissioning of cogen	Ongoing maintenance and enhancement of landfill gas

Construction	facility at pollution control centre;	collection at regional landfill;
Feasibility Studies, Research, Analysis	(No response)	Examine opportunities for energy generation at RDN facilities, particular focus on fire halls.
Plans, Policies, Regulations	(No response)	(No response)
Policy Implementation	(No response)	(No response)
Employee Training, Awareness	(No response)	(No response)
Committees, Staffing	(No response)	(No response)
Funding	Corporate Climate Action Fund (funded through CARIP) rebate available for corporate investment in renewable energy	Corporate Climate Action Fund (funded through CARIP rebate) available for corporate investment in renewable energy

COMMUNITY-WIDE - Energy Generation

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction	(No response)	(No response)
Feasibility Studies, Research, Analysis	(No response)	(No response)
Plans, Policies, Regulations	Amend Land Use and Development Regulation Bylaws to better accommodate renewable energy systems and passive design.	(No response)
Policy Implementation	(No response)	Promote amended Land Use and Development Regulation Bylaws that better accommodate renewable energy systems and passive design.
Community Education, Engagement	Green Building Workshops and open houses featuring homes with renewable energy systems	Green Building Workshops and open houses featuring homes with renewable energy systems, including a Passive House workshop
Committees, Staffing	(No response)	(No response)
Funding	\$250 available to any electoral	\$250 - \$650 available to any electoral area

area resident who installs a residential renewable energy system

resident who installs a residential renewable energy system; Contribute up to \$20,000 toward community renewable energy system on Gabriola Island.

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). In the appropriate boxes below, please record all community-wide actions taken in 2014 and proposed for 2015 (Note: the 'Greenspace' sector only has a community-wide actions section). Number and type of actions will vary by community. Please refer to the 'Action Examples' tab above for assistance in understanding the type of information to include in each action category. If the action was taken in partnership, please indicate with whom.

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	install Meadowood Community Park; Upgrade Errington Park; repair and upgrade Thatcher Creek Bridges; Compete road and campsite upgrades at Descanso Regional Park; Complete Trail Accessibility Upgrades at Moorecroft Regional Park; Invasive species removal at Nanaimo River Regional Park;	Extension Miners Community Park Bridge design and installation; Develop Phase 1 of Blueback Community Park; Morder Colliery Trail and Bridge; Gabriola Roadside Trail; Design and Construct French Creek Paths and Trails; Construct E&N Trail; Invasive Plant removal at Little Qualicum Estuary
Feasibility Studies, Research, Analysis	(No response)	Costing plan for Arrowsmith Community Trail; Complete feasibility studies, develop design for E&N Trail
Plans, Policies,	Completion of Huxley Community Park	Anders Dorrit Park planning and

Regulations	Plan;Complete Blueback Community Park Plan;Complete Meadowood Community Park Plan;Complete Benson Creek Falls Management Plan;	design; Develop Fairwinds regional parks master plan;
Policy Implementation	(No response)	(No response)
Community Education, Engagement	(No response)	First Nations identification on Regional and Community Parks
Committees, Staffing	Continue community consultations as necessary for park management and development;Maintain Park and Open Space Advisory Committee process.	Continue community consultations as necessary for park management and development;Maintain Park and Open Space Advisory Committee process.
Funding	(No response)	(No response)

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. In the appropriate boxes below, please record all corporate and community-wide actions taken in 2014 and proposed for 2015. Number and type of actions will vary by community. Please refer to the 'Action Examples' tab above for assistance in understanding the type of information to include in each action category. If the action was taken in partnership, please indicate with whom.

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	(No response)	(No response)
Feasibility Studies, Research, Analysis	(No response)	(No response)

Plans, Policies, Regulations	(No response)	(No response)
Policy Implementation	(No response)	(No response)
Employee Training, Awareness	(No response)	(No response)
Committees, Staffing	(No response)	(No response)
Funding	(No response)	(No response)

COMMUNITY-WIDE - Solid Waste

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction	(No response)	Design Operations and maintenance buildings for regional landfill; Detailed design for Landfill North Berm; target 75% LFG Collection (currently 65-69%)
Feasibility Studies, Research, Analysis	Validation and verification of over 24,000 tonnes of offsets from Landfill	Study options for Construction and Demolition waste; Assess options for yard waste drop off; Validation and verification of over 24,000 tonnes of offsets from Landfill
Plans, Policies, Regulations	Initiate review of Solid Waste Management Plan; Update Curbside Collection Bylaw	Review Tipping Fee Bylaw; Amend WSML Licence processing;
Policy Implementation	(No response)	(No response)
Community Education, Engagement	Prepare and distribute 2 region wide zero waste newsletters;	Expansion of Commercial Food Waste Ban; Prepare and distribute 2 region wide zero waste newsletters; Promote 68% diversion statistic;
Committees, Staffing	(No response)	(No response)
Funding	(No response)	Consider the sale of offsets from landfill gas collection system as funding source for innovation within service

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. In the appropriate boxes below, please record all corporate and community-wide actions taken in 2014 and proposed for 2015. Number and type of actions will vary by community. Please refer to the 'Action Examples' tab above for assistance in understanding the type of information to include in each action category. If the action was taken in partnership, please indicate with whom.

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
Physical Improvements, Construction	Continued improvement to corporate fleet efficiency - replaced conventional gasoline vehicle with gas-electric hybrid; Design and construction of facilities shop for compatibility with CNG bus fleet; Design and install CNG Compressor station;	Assessment of hybrid, CNG or all-electric vehicles for incorporation into corporate fleet; Design and const
Feasibility Studies, Research, Analysis	Analysis of corporate fleet use to determine opportunities for efficiency improvements	(No response)
Plans, Policies, Regulations	Review and update of transit operations manual; Completion of Dispatcher Operations Manual; Develop bus stop improvement implementation plan;	(No response)
Policy Implementation	Implementation of Dispatcher Operations Manual;	I
Employee Training, Awareness	(No response)	Staff Driving training - for efficiency and safety.
Committees, Staffing	(No response)	(No response)
Funding	\$8,000 in funding from Corporate Climate Action Fund toward purchase of gas-electric	Funding from Corporate Climate Action Fund available

hybrid vehicle	for incremental additional cost of high efficiency vehicles over conventional alternatives
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COMMUNITY-WIDE - Transportation

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction	25 new low-emission CNG buses integrated into regional transit fleet;Lighting upgrades at Prideaux street transit exchange;Added new bus shelters in Town of Qualicum Beach;Completed accessible bus pads in the City of Nanaimo;	Transit shop roof repair;HandyDart fleet improvements;Extend useful life of 5 1998 New Flyer buses;
Feasibility Studies, Research, Analysis	(No response)	Preliminary Design for Downtown Transit Exchange;Work toward multi-partner agreement for land acquisition for Downtown Transit Exchange;Analysis of potential new transit routes;Determine feasibility of Parksville-Qualicum Beach Taxi Saver Program;
Plans, Policies, Regulations	Adoption of Transit Business Plan;	Develop driver routing manual;
Policy Implementation	5,000 annual hour transit expansion	5,000 annual hour transit expansion;
Community Education, Engagement	(No response)	Design and Implement new Rider's Guide;Design and implement Google type trip planner;
Committees, Staffing	(No response)	(No response)
Funding	(No response)	Update bus advertising contract;Funding from Corporate Climate Action Fund for efficiency upgrades, as necessary

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. In the appropriate boxes below, please record all corporate and

community-wide actions taken in 2014 and proposed for 2015. Number and type of actions will vary by community. Please refer to the 'Action Examples' tab above for assistance in understanding the type of information to include in each action category. If the action was taken in partnership, please indicate with whom.

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	Completed Operational Building HVAC Upgrades and MCC cooling room requirements;	(No response)
Feasibility Studies, Research, Analysis	(No response)	(No response)
Plans, Policies, Regulations	Began development of Integrated Asset Management Strategy	Complete development of Integrated Asset Management Strategy
Policy Implementation	(No response)	Implement Integrated Asset Management Strategy
Employee Training, Awareness	(No response)	(No response)
Committees, Staffing	Participation on Asset Management Working Group	Participation on Asset Management Working Group
Funding	Initiated new Development COst Charges bylaw for Nanoose Bulk Water Service Area; Rebates for rainwater harvesting systems	\$30,000 from the Corporate Climate Action Fund toward high efficiency pump motor controller at Departure Bay Pump Station; Finalize Capital Charges Bylaw for Nanoose Bulk Water; Continue providing rebates for rainwater harvesting systems;

COMMUNITY-WIDE - Water and Wastewater

	Actions taken in 2014	Actions proposed for 2015
Physical	Completed design and construction of	Complete pump and motor

Improvements, Construction	<p>replacement effluent line and bypass chamber for GNPCC;Completed design and construction of land section of outfall replacement fro GNPCC including fish passage culvert;Completed manhole repairs and camera inspections on northern and southern sewer interceptor lines;Completed Co-gen project at GNPCC;Expanded the streetlighting service in French Creek/ Morningside area;Completed construction and commissioning of San Pariel pump station and reservoir;Updated controls in Nanoose Peninsula water service to improve overall system efficiency;</p>	<p>controller upgrade at Departure Bay Pump Station;Construct Decontamination Facility at FCPCC;</p>
Feasibility Studies, Research, Analysis	<p>Commenced detail design on marine section of GNPCC outfall; Commenced Environmental Impact Study for GNPCC Secondary Treatment upgrade;Commenced structural and mechanical review of GNPCC Digester 2;Commenced engineering study on the protection of the Qualicum Beach interceptor line;Completed design for Departure Bay Pump Station pump, motor, and drive replacement;Commenced Rural Village Sewer Servicing Projects for Electoral Areas A and H;Facilitated inter-agency discussion on developing Regional Hydrometric and Climate Monitoring Program;Supported Gabriola Island Recharge Study/ Groundwater Model through SFU;</p>	<p>Continue Rural Village Sewer Servicing Projects for Electoral Areas A and H;Complete engineering for Marine Outfall replacement;Study resource recovery opportunities at Wastewater facilities;Continue Engineering Study for Secondary Treatment upgrade at GNPCC;</p>
Plans, Policies, Regulations	<p>Submitted Liquid Waste Management Plan Amendment to Ministry of Environment (Approved);Established new stormwater management service area;</p>	<p>Review and update sewer Source Control Bylaw;Review and Update Pump and Haul bylaw;</p>
Policy Implementation	<p>Beneficial reuse of 100% of biosolids;Proactive leak protection program completed in San Pariel and Whiskey Creek;</p>	<p>Beneficial reuse of 100% of biosolids;Implement Liquid Waste Management Plan</p>
Community Education, Engagement	<p>Completed SepticSmart outreach program;Updated and expanded Water Services website;Continued implementation of the Community Watershed Monitoring Program;Continued volunteer Observation well programContinued Team WaterSmart outreach program and WellSmart workshops;Completed 33 irrigation system</p>	<p>Develop Greywater Reuse Best Practices GuidebookDevelop agreement with City of Nanaimo and Snuneymuxw FN to accept sewage from IR#4;Implement water use reporting tool;Provide information on State of Our Streams to the public;</p>

	audits;	
Committees, Staffing	Ongoing meetings of the Drinking Water/Watershed Protection Technical Advisory Committee;Participation in the Asset Management Working Group;Facilitated a Small Water Systems Working Group annual meeting;	(No response)
Funding	Provided \$28,500 in rebates for onsite system treatment upgrades;	Review and Update FCPC and GNPCC Development Cost Charges Bylaw;

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. In the appropriate boxes below, please record all corporate and community-wide actions taken in 2014 and proposed for 2015. Number and type of actions will vary by community. Please refer to the 'Action Examples' tab above for assistance in understanding the type of information to include in each action category. If the action was taken in partnership, please indicate with whom.

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
Physical Improvements, Construction	(No response)	(No response)
Feasibility Studies, Research, Analysis	(No response)	(No response)
Plans, Policies, Regulations	(No response)	(No response)
Policy Implementation	(No response)	(No response)
Employee Training, Awareness	(No response)	(No response)

Committees, Staffing	(No response)	(No response)
Funding	(No response)	(No response)

COMMUNITY-WIDE - Other Climate Action

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction	(No response)	(No response)
Feasibility Studies, Research, Analysis	(No response)	(No response)
Plans, Policies, Regulations	(No response)	(No response)
Policy Implementation	(No response)	(No response)
Community Education, Engagement	(No response)	(No response)
Committees, Staffing	(No response)	(No response)
Funding	(No response)	(No response)

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.

(No response)

COMMUNITY-WIDE - Innovation

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

(No response)

Local Government Information

LOCAL GOVERNMENT INFORMATION

Variable	Response
LOCAL GOVERNMENT INFORMATION Name of Local Government	Regional District of Nanaimo
LOCAL GOVERNMENT INFORMATION Name of member Regional District (RD)	(No response)
LOCAL GOVERNMENT INFORMATION Regional Growth Strategy (RGS) in your region	Yes
LOCAL GOVERNMENT INFORMATION Population	100,000+

Submitted by:

Variable	Response
Submitted by: Name	Chris Midgley
Submitted by: Position	Manager, Energy and Sustainability
Submitted by: Email	cmidgley@rdn.bc.ca
Submitted by: Telephone # (ten digit)	250-390-6568

This year we replaced the CARIP Public Reporting Template with two online surveys to streamline and improve the reporting process. We would like to know what you think.

Please check the answer that best describes your thoughts on how the Climate Actions Survey and the new survey process compares to the previous year's process.

Somewhat improved, but still time consuming and difficult to do well. Even more streamlined would be having the option to submit our 2014 Accomplishments as reported to the Board, and our 2014/2015 Workplans. Action on Climate Change is a long standing strategic priority for the RDN, therefore all we do is justified, in part, through that lens.

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

Once you have submitted your survey, be sure to download your survey report from the 'Thank You' page and use it as your public report.