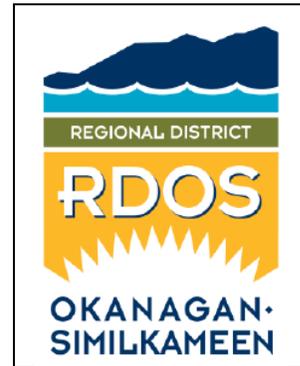


Climate Action Revenue Incentive (CARIP) Public Report for 2016

Local Government:
Regional District of Okanagan-Similkameen

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Date: June 1, 2017



The Regional District of Okanagan-Similkameen has completed the 2016 Climate Action Revenue Incentive Program (CARIP) Public Report as required by the Province of BC. The CARIP report summarizes actions taken in 2016 and proposed for 2017 to reduce corporate and community-wide energy consumption and greenhouse gas emissions (GHG) and reports on progress towards achieving carbon neutrality.

2016 BROAD PLANNING ACTIONS

Broad Planning Actions

Broad Planning refers to high level planning that sets the stage for GHG emissions reductions, including plans such as Official Community Plans, Integrated Community Sustainability Plans, Climate Action Plans or Community Energy Emissions Plans. Land use planning that focuses on Smart Growth principles (compact, complete, connected, centred) plays an especially important role in energy and GHG reduction.

Community-Wide Actions Taken in 2016	
	Streamlined the South Okanagan Sub-Regional Growth Strategy
	Continued implementing the Regional Biodiversity Strategy by approving a Conservation Fund for Okanagan Electoral Areas and relevant member municipalities.
	Updated 6 Electoral OCPs: -expanded Environmentally Sensitive Development Permit Areas for Okanagan OCPs. -implemented the Area 'D-1' OCP which includes improved sustainability objectives and policies for Rural Growth Areas; Parks, Recreation and Trails; Natural Environment and Conservation; and updated language to reflect the BC Climate Action Charter.
	Completed Gallagher Lake Area Structure Plan and Phase II of the Okanagan Falls Town Centre Plan
	Completed the Similkameen Valley Watershed Plan Phase 2
Community-Wide Actions Proposed for 2017	
	The inaugural year of the Okanagan Conservation Fund will see implementation of its administrative structure and creation of a Technical Advisory Committee in anticipation of the first round of applications for funding
	Implement Gallagher Lake Area Structure Plan
	Revise Area 'F' OCP, including improved sustainability objectives and policies for Rural Growth Areas; Parks, Recreation and Trails; Natural Environment and Conservation; and updated language to reflect the BC Climate Action Charter.
	Carry out Phase III of the Okanagan Falls Town Centre Revitalization, including review of densification and transportation network.
	Develop Phase 3 of the Similkameen Valley Watershed Plan

Corporate Actions Taken in 2016	
	Continued implementation of the RDOS 2015 Business Plan, which seeks to enhance the Regional District's vital role of promoting the three pillars of community sustainability: environmental, economic and social through healthy environment, and through consideration of environmental impacts in our decision-making process.
	Continued implementation of the RDOS Corporate Climate Action Plan through review of energy efficiency measures initiatives
	As per the Provincial Asset Management Program, completed RDOS Asset Management Investment

	Plan. Fleet Acquisition, Replacement Policy drafted.
	Outlined first stages to initiate Corporate Capital Asset Management Planning
Corporate Actions Proposed for 2017	
	As per the Provincial Asset Management Program, applying for funding to assist in full implementation of the Asset Management Investment Plan.
	Continue implementation of the Corporate Climate Action Plan, prioritizing corporate energy emission data is valid and provides a credible baseline.
	Initiate draft of the Corporate Capital Asset Management Plan

Broad Planning		
What is (are) your current GHG reduction target(s)?	(Please provide details here) 10% of 2009 levels by 2020	
Has your local government used the Community Energy and Emissions Inventory (CEEI) to measure progress?		Yes
What plans, policies or guidelines govern the implementation of climate mitigation in your community?		
• Community Energy and Emissions (CEE) Plan		Yes
• Climate Action Plan		Yes
• Integrated Community Sustainability Plan		No
• Official Community Plan (OCP)		Yes
• Regional Growth Strategy (RGS)		Yes
• Do not have a plan		No
• Other:		No
Does your local government have a corporate GHG reduction plan?		Yes
Does your local government have a climate reserve fund or something similar?		Yes

2016 BUILDINGS AND LIGHTING ACTIONS

Building and Lighting Actions

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 when calculated over the long term. This category also includes reductions realized from energy efficient street lights and lights in parks or other public spaces.

Community-Wide Actions Taken in 2016	
	LED street lights installed in Area "F"
	Research into additional LED street light opportunities with Fortis
	Continued implement of recent energy efficient Building Code upgrades including minimum performance ratings

Community-Wide Actions Proposed for 2017	
	Facilitated funding for upgrades to Hedley Community Centre, Hayes Creek and Eris Creek Volunteer Firehalls
	Further investigation of LED Streetlight conversion opportunities under RDOS jurisdiction
	Investigating LED street lighting standards for new developments
	Building Inspection staff may participate in training, if available, for Step Code provisions under the BC Building Code.

Corporate Actions Taken in 2016	
	Continued the implementation of Facility Energy Audits from 2014 project and summarized progress to date as follows: 149 of 275 Energy Efficiency Measures have been completed or are underway.
	Finalized major renovation of administration building, including new LED lighting inside and out, sun shades on west facing windows; side and rear doors upgraded, 2 with vestibules; auto-dimmers installed to balance artificial and natural light; new roof added.
	Continued to promote staff contributions to the corporate energy reductions by awarding Greens Hours for initiatives. 4 Green Hours were awarded in 2016, with for a total of 22 since the program's inception in 2014.
Corporate Actions Proposed for 2017	
	Refocus / revise energy efficiencies recommended in 2014 study. Provide info sessions to relevant staff on ductless air source heat pumps and tankless hot water heaters.
	Investigate feasibility of new windows, improved insulation, new entrance & foyer doors on main administration building.

2016 ENERGY GENERATION ACTIONS

Energy Generation Actions

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.

Community-Wide Actions Taken in 2016	
	Staff attended a Solar Conference sponsored by a local NGO.

	Continued to reduce power grid reliance in the 911 Fire Dispatch System currently with two mountain-top repeaters running on solar with ethanol back up (Sterling & Blakeburn) and designing for future additional conversions.
Community-Wide Actions Proposed for 2017	
	Continue to seek opportunities to reduce power grid reliance in the 911 Fire Dispatch System currently by designing additional off-grid conversions.

Corporate Actions Taken in 2016	
Corporate Actions Proposed for 2017	

Energy Generation	
Is your local government developing, or constructing:	
<ul style="list-style-type: none"> • A district energy system • A renewable energy system 	No No
Is your local government operating:	
<ul style="list-style-type: none"> • A district energy system • A renewable energy system 	No No
Is your local government connected to a district energy system that is operated by another energy provider?	No
Are you aware of the Integrated Resource Recovery guidance page on the BC Climate Action Toolkit ?	Yes

2016 GREENSPACE/ NATURAL RESOURCE PROTECTION ACTIONS

Greenspace Actions

Greenspace/Natural Resource Protection refers to the creation of parks and greenways, boulevards, community forests, urban agriculture, riparian areas, gardens, recreation/school sites, and other green spaces, such as remediated brownfield/contaminated sites as well as the protection of wetlands, waterways and other naturally occurring features.

Community-Wide Actions Taken in 2016	
	Participated in Intraregional trail discussions for an Okanagan Valley wide trail network, a Summerland to Penticton Trail, and the Thompson-Okanagan Rails to Trails Strategy.
	Continued implementation of the RDOS Trails Master Plan: 4 kms of KVR trail resurfaced (Skaha Lake); completed design for the KVR trail between Oliver and Osoyoos; replaced the Naramata Creek walking bridge; implemented trail improvements in Keremeos; established new trail tenure for 95 km (Osprey Lake and Brookmere)
	Developed and finalized a new Parks and Recreation Commission Terms of Reference
	Completed a Park Development Plan for Naramata, Pioneer Park, Vintage Views Park, and Manitou Park and Okanagan Falls waterfront. Park upgrades: developed pond in Sasquatch Park, resurfaced tennis courts in Kaleden.
	Parkland acquisition included 2 parcels of 2.6 acres in Naramata and 5 acres in Heritage Hills.
	Established Loose Bay Campground near Oliver, including new water service.
Community-Wide Actions Proposed for 2017	
	Continue trail upgrades through improvements to the KVR trail between Oliver and Osoyoos by surfacing 3 of 17 kms and design construction plans for the accessibility pathway in Manitou Park
	Design construction plans for Naramata and Vintage Views park plans.
	Acquire an additional acre of parkland in Naramata to connect components of Creek Park Trail and finalize a 30 acre donation in Coalmont.
	Implement a tree replacement in Naramata parks.
	Develop and implement wetlands restoration component for Okanagan Falls Wetland Waste Water Treatment Plant including an educational component, implemented in collaboration with conservation partners.

Corporate Actions Taken in 2016	
	Removed asphalt and installed a xeriscape garden adjacent to main administration building.
Corporate Actions Proposed for 2017	

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

2016 SOLID WASTE ACTIONS

Solid Waste Actions

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.

Community-Wide Actions Taken in 2016	
	Continued implementation of the Solid Waste Management Plan through maximizing diversion via composting and recycling initiatives, including reuse and recycling of construction and demolition waste.
	Completed design, operation and closure plan for Campbell Mountain Landfill.
	Identified 3 potential sites for organic waste diversion.
	Continued discussion on Campbell Mountain Landfill methane gas capture through substituted requirements of a bio-cover system with MoE, which proposes to reduce greenhouse gas escape.
	Outreach programs for ongoing waste reduction include an Orchard Chipping Program to reduce burning, allow for waste composting, and management of pests. Provided free classroom / field trip programs on recycling, composting and conservation for grades K-12 that engage students in evaluating and questioning the creation of waste, available solutions that help the environment and save money. Continued the Household Hazardous Waste Program. Make residential tumbler composters to the public. New drop-off bins for books and clothing are available at Campbell Mountain Landfill.
	Completed the design for the Apex Mountain Transfer Station
	Installed new computer software at all RDOS landfills in preparation for full implementation, which will provide streamlined tracking of amounts, types and diversion of solid waste.
Community-Wide Actions Proposed for 2017	
	Continue implementation of the Solid Waste Management Plan through maximizing diversion through composting and recycling, including reuse and recycling of construction and demolition waste, organic waste diversion and outreach opportunities.
	Continue feasibility and implementation of organic waste diversion project through detailed site investigation and public consultation.
	Complete lifecycle costing for 2 RDOS landfills (Oliver and Okanagan Falls)
	Full implementation of new computer software at all RDOS landfills in preparation for providing improved tracking of amounts, types and diversion of solid waste.
	Completed the conversion of Keremeos waste management site to a transfer station by finalizing the closure of the landfill at this location.

Corporate Actions Taken in 2016	
	Continued recycling efforts in the Administration Building including lunchroom waste segregation for staff, paper and cardboard recycling for corporate operations.
	Reduction of corporate waste through implementation of Electronic Filing System and defaulting the two largest printers to double sided printing.
Corporate Actions Proposed for 2017	
	Continue recycling efforts in the Administration Building including lunchroom waste segregation for staff and paper recycling for corporate operations.

Solid Waste	
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

2016 TRANSPORTATION ACTIONS

Transportation Actions

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.

Community -Wide Actions Taken in 2016	
	Continued implementation of the 2015 25-year Okanagan-Similkameen Transit Future Plan in partnership with BC transit, which includes targeted goals for regional and inter-regional transit, identifies potential expansion areas, strengthens the link between transportation and land use in order to support sustainable growth, including reduced community GHG emissions.
	Signed an MOU with BC Transit for a new transit system to be implemented during 2018/2019 in the West Bench neighbourhoods of Area "F"
	Area "A" elector approval obtained for the acquisition of South Okanagan Transit System Service Area in partnership with BC Transit; administration / governance developed. In addition to local services, SOTSS provides intraregional service to Kelowna and is part of Health Connections, providing transportation to medical facilities throughout the Region.
	Upgraded the Area "D" Okanagan Falls Transit system with new benches and signage.
	Implemented a region wide Carpool.ca promotion in the region, coordinated with destination member municipalities.

	Continued with active transportation initiatives: in Areas 'A', 'C', 'D' and 'H' further developed the KVR Trail with the ultimate goal of it being a continuous recreation and commuter corridor. LED street lights installed on West Bench pedestrian walkway.
Community-Wide Actions Proposed for 2017	
	Assumed administration of the South Okanagan Transit System in Area "A" with service in Oliver, Osoyoos, and Electoral Areas 'A' and 'C', and transportation to medical facilities throughout the region as part of the Health Connections program.
	Implement an integrated Regional Fares and Mapping Guides program with Regional Transit Partners.
	Continue support of Carpool.ca within region in collaboration with destination communities.

Corporate Actions Taken in 2016	
	Retired one vehicle; newer more energy efficient vehicles purchased for Fire Department (support vehicle and a new pumper truck); 1 new fleet truck. extended the life cycle of a smaller truck to replace a larger end-of-life landfill vehicle, and approved a fleet maintenance contract with City.
	Policies created include a Corporate Fleet Acquisition, Replacement and Disposal Policy; a Fire Department Vehicle Asset and Use Policy, and a Fleet Vehicle Administrative Directive.
	Facilitated the 8th year of corporate participation in Bike to Work Week through in-kind support: in-house liaison between staff and the event sponsors, Penticton and Area Cycling Association. The RDOS / City of Penticton challenge was successful resulting in RDOS participation of 30.8% staff. RDOS continued the opportunity for bike purchases through a payroll deduction plan.
	Continued to incent staff carpooling through awarding "Wellness Points".
	Reduced travel time and related carbon emissions through the Installation of "Team Viewer" software for remote meeting attendance, and SCADA installations in two remote water systems.
Corporate Actions Proposed for 2017	
	Investigate opportunities for fleet review, eg. E3.
	Continue support and participation in Bike To Work week
	Implement a local "Explore BC by Bus" campaign in collaboration with BC Transit.
	Purchase of new energy efficient fleet truck for operational purchases.

Transportation	
Does your local government have policies, plans or programs to support:	
• Walking	Yes
• Cycling	Yes
• Transit Use	Yes
• Electric Vehicle Use	No
• Other (please specify) Carpool.ca coordinator	Yes
Does your local government have a transportation demand management (TDM) strategy (e.g. to reduce single-vehicle occupancy trips, increase travel options, provide incentives to encourage individuals to modify travel behavior)?	No

Does your local government have policies, plans or programs to support local food production (thus reducing transportation emissions)?	Yes
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2016 WATER AND WASTEWATER ACTIONS

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.

Community-Wide Actions Taken in 2016	
	Water System upgrades included Faulder Water system back-up generator and uranium removal system, decommissioning of the Naramata south pump house, and water main replacement in Olalla. Instrumentation and alarm systems installed, including installation of remote data systems, in Olalla and Faulder, with centralized function at the Naramata water office, all intended to enhance services, increase reliability, and reduce inefficiencies in leakage, power use and travel time for staff.
	Acquired Willowbrook rural water system
	Implemented the West Bench Leak Detection Program in advance of metered rates being invoked, capturing 250 gallons per hour, thus contributing to water conservation goals, and reducing energy use due to less pumping.
	Acquired wetland adjacent to Ok Falls Waster Water Treatment Plant for incorporation into plant operations.
Community-Wide Actions Proposed for 2017	
	Canada-British Columbia Clean Water and Wastewater Funding to be utilized to initiate upgrades and / or expansion to Naramata, Olalla, Willowbrook, and Sun Valley Water Systems, and Okanagan Falls Waste Water System. These upgrades will increase capacity, lifespan of the assets, improve environmental outcomes and / or enhance services. Back up generators installed at three sites on Naramata Water System
	Anticipate additional acquisition of existing small water systems.
	Design wetlands restoration component for Okanagan Falls Wetland Waste Water Treatment Plant including an educational component, implemented in collaboration with conservation partners. Feasibility study for expansion of the system to one adjacent area anticipated (Skaha)
	West Bench water rates approved for full implementation. Continuation of leak detection for West Bench system and expansion of the program to Naramata Water System.
	Drafting of valley-wide Water Use and Conservation Bylaw and regional Works and Services Bylaw.

Corporate Actions Taken in 2016	
	Audit RDOS water systems management through the Auditor General's office.
	Implemented Parks and Recreation response to summer drought conditions through reduced irrigation control times and stricter adherence to relevant watering restriction bylaws.
	Install new high efficiency pump on Kobau Park irrigation system.

Corporate Actions Proposed for 2017
Water Conservation
Does your local government have water conservation policies, plans or programs? Yes

2016 CLIMATE CHANGE ADAPTATION ACTIONS

Climate Change Adaptation Actions

For local governments, adaptation to a changing climate can take the form of changes in policy, management, technology and behaviour that minimize negative impacts or exploit opportunities. It can involve both “hard” and “soft” solutions, including: changes in infrastructure engineering, planning, zoning, bylaws, and public education.

Climate Change Adaptation Actions Taken in 2016	
	Invasive Species Program initiatives included creation of Quagga Mussel trailer for mobile outreach purposes; Invasive Plants and Species workshop on zebra and quagga mussels; goose management.
	Pest management initiatives included updating the pest control bylaw to include new species and emerging threats.
	Collaborated with the Okanagan Basin Water Board to Develop Phase II of Okanagan - Similkameen Drought and Flood Mitigation Plan to determine gaps in response planning and preparedness, and creating integrating plans with local water utilities and member municipalities.
	Finalized rain / xeriscape gardening manual. Created signage as an outreach tool to illustrate energy efficiencies and water conservation initiatives implemented during the 2015 - 2016 renovation of the Regional District's Administration Building
	Implemented 3 workshops on Protecting our Natural Assets – Water and Landscaping along our Shorelines.
	Emergency Services continued to implement Provincial Modernization Act implementation, including Hazard Risk Vulnerability Issues with respect to extreme storm events and their impacts.
Climate Change Adaptation Actions Proposed for 2017	
	Collaborate with the Okanagan Basin Water Board to Develop Phase III of Okanagan - Similkameen Drought and Flood Mitigation Plan, which will mitigate previously identified gaps and ensure harmonized drought management plans for all regional water purveyors, including First Nations.
	Participate in strategies developed under the Provincial Agricultural Climate Change Adaptation program including: development of Agricultural Drought Communications strategy targeting producers with a water conservation component; participate in Washington State University, Environment and Agriculture Canada initiative to integrate real time weather data to optimize select agricultural inputs (water, chemical, fertilizers) for Climate Adaptation related pest control;

	and creation of a database app for prevention and mitigation of other invasive species that impact agricultural producers.
	Seeking Canada 150 Funding for student outreach project for planting 150 Cottonwood Trees in selected riparian areas, both on and off reserve lands, collaborating with a number of Okanagan Nation bands and organizations.
	Workshops will include 5 more on Protecting our Natural Assets – Water and Landscaping Along Shorelines, and 4 on Residential irrigation for property owners in RDOS managed water systems.
	Provide a public engagement evening on adapting to Climate Change and water supply challenges with EPCOR Chair.
	Emergency Services will continue to implement Provincial Modernization Act implementation.

Resources you have used to support climate change adaptation (e.g. Plan2Adapt , Preparing for Climate Change: Implementation Guide)	

In 2016 did you consider climate change impacts in any of the following areas? (check if yes)	
Risk reduction strategies	Yes
Risk and Vulnerability assessment	Yes
Asset management Infrastructure upgrades (e.g. stormwater system upgrades)	Yes
Cross-department working groups	Yes
Emergency response planning	Yes
Land-use policy changes (eg. OCP, DPA)	Yes
Economic diversification initiatives	No
Ecosystem-based approaches (incl. shorelines)	Yes
Incentives (e.g. property owner reducing stormwater run-off)	No
Public education and awareness	Yes
Research (e.g. mapping, participation in studies)	Yes
Other (Please Identify):	

2016 OTHER CLIMATE ACTIONS

Other Climate Actions

This section provides local governments the opportunity to report other climate actions that are not captured in the categories above.

Community-Wide Actions Taken in 2016	
Community-Wide Actions Proposed for 2017	

Corporate Actions Taken in 2016	
Corporate Actions Proposed for 2017	
	Celebrate Earth Day with a gift to each staff member of biodegradable paper coasters impregnated with herb seeds, printed with an Earth Day message.

Other	
Are you familiar with the Community Lifecycle Infrastructure Costing Tool (CLIC) ?	Yes
Have you used CLIC?	No

INNOVATION AND PEER-TO-PEER LEARNING

Innovation

This section provides the opportunity to showcase an innovative Corporate and/or Community-Wide GHG reduction or climate change adaptation activity that your local government has undertaken and that has had or has the potential to have a significant impact. Projects included here may be featured as success stories on the B.C. Climate Action Toolkit and/or shared with other local governments to inspire further climate action. Please add links to additional information where possible.

Community-Wide Innovative Action

The Drought and Flood Risk Mitigation and Management Plan seeks to create a comprehensive, regional approach to determine drought preparedness and resilience for all RDOS communities, including Indian Bands, recognizing that the operations of all regional water purveyors will be similarly affected by prolonged drought conditions. Key elements of this initiative are encouraging upgrades to existing infrastructure and increased efforts in conservation communication. The intended outcomes are improved infrastructure performance; reductions in treatment, pumping and processing of water; reducing wear and tear on infrastructure; and reduction in overall water use.

The BC Climate Adaptation for Agriculture projects undertaken in the Okanagan will assist producers in reducing chemical and water application on crops in response to weather variations through the utilization of weather data, an approach developed in the US portion of the Okanagan. Linking data from numerous weather stations over time has allowed for short and long-range forecasts to inform appropriate water, chemical and fossil fuel inputs for agricultural production. Chemical application has been reduced by up to 30%, translating into to reductions in fossil fuel through reduced towing of spraying equipment in orchards and fields, creating a win-win situation for producers, consumers and the environment.

In 2016, a Conservation Trust Fund was approved, to be collected through an annual tax requisition, providing a consistent financial base that can be leveraged for additional funding. The end result will allow funding for repair, conservation and enhancement of the biodiversity of the Okanagan through a wide range of initiatives including wetland and riparian restoration (carbon sinks, water storage and filtering), to rare and endangered habitat protection.

Assemble RDOS and member municipalities' water purveyors to discuss mitigation and adaptation of the potential effects to quagga and zebra mussel infestations on regional water sources and infrastructure.

Corporate Innovative Action

Programs, Partnerships and Funding Opportunities

Local governments often rely on programs, partnerships and funding opportunities to achieve their climate action goals. Please share the names of programs and organizations that have supported your local government's climate actions by listing each entry in the box below.

Programs and Funding

Okanagan Basin Water Board, Fortis BC, Okanagan Similkameen Invasive Species Society, RBC Blue Water Project Grant, South Okanagan Similkameen Conservation Program, UBCO, BC Transit, Bike BC, Carpool.ca, TNRD, Building Canada, BC Ministry of Agriculture, Washington State University, Agriculture and Agri-foods Canada, Environment Canada, Okanagan-Kootenay Sterile Insect Release Program, BC Climate Action Secretariat, Ministry of Forestry, Lands and Natural Resources Operations Rural Dividend Funding Program, Canada 150 Community Infrastructure Program, Canada 150 Community Grant RDOS Member Municipalities, Penticton and Area Cycling Association, Okanagan Nation Alliance and Eno'wkin Center, UBCM, Okanagan Xeriscape Association, Regional District of Nanaimo.

2016 CARBON NEUTRAL REPORTING

Local governments are required to report on their progress in achieving their carbon neutral goal under the Climate Action Charter. Working with B.C. local governments, the joint Provincial-UBCM Green Communities Committee (GCC) has established a common approach to determining carbon neutrality for the purposes of the Climate Action Charter, including a Carbon Neutral Framework and supporting guidance for local governments on how to become carbon neutral.

Prior to completing this survey, please ensure that you are familiar with guidance available on the B.C. Climate Action Toolkit website, especially *Becoming Carbon Neutral: A Guide for Local Governments in British Columbia*.

Reporting Emissions

Did you measure your local government's corporate GHG emissions in 2016?	Yes
If your local government measured 2016 corporate GHG emissions, please report the number of corporate GHG emissions (in tonnes of carbon dioxide equivalent) from services delivered <u>directly</u> by your local government:	453.36
If your local government measured 2016 corporate GHG emissions, please report the number of corporate GHG emissions (in tonnes of carbon dioxide equivalent) from <u>contracted</u> services:	352.59
TOTAL A: CORPORATE GHG EMISSIONS FOR 2016	805.95 tCO₂e

Reporting Reductions and Offsets

To be carbon neutral, a local government must balance their TOTAL corporate GHG emissions by one or a combination of the following actions:

- undertake GCC-supported Option 1 Projects

- undertake GCC-supported Option 2 Projects (community GHG emissions reduction projects that meet project eligibility requirements)
- purchase carbon offsets from a credible offset provider

If applicable, please report the 2016 GHG emissions reductions (in tonnes of carbon dioxide equivalent (tCO2e)) being claimed from Option 1 GHG Reduction Projects:

OPTION 1 PROJECTS	REDUCTIONS
Energy Efficient Retrofits	
Solar Thermal	
Household Organic Waste Composting	
Low Emission Vehicles	
Avoided Forest Conversion	
TOTAL B: REDUCTIONS FROM OPTION 1 PROJECTS FOR 2016	tCO2e

If applicable, please report the names and 2016 GHG emissions reductions (in tonnes of carbon dioxide equivalent (tCO2e)) being claimed from Option 2 GHG Reduction Projects:

OPTION 2 PROJECT NAME	REDUCTIONS
TOTAL C: REDUCTIONS FROM OPTION 2 PROJECTS FOR 2016	tCO2e

If applicable, please report the number of offsets purchased (in tonnes of carbon dioxide equivalent (tCO2e)) from an offset provider for the 2016 reporting year:

(NOTE: DO NOT INCLUDE ANY FUNDS THAT MAY BE SET ASIDE IN A CLIMATE ACTION RESERVE FUND)

OFFSET PROVIDER NAME	OFFSETS
TOTAL D: OFFSETS PURCHASED FOR 2016	tCO2e

TOTAL REDUCTIONS AND OFFSETS FOR 2016 (Total B+C+D) = **tCO2e**

Corporate GHG Emissions Balance for 2016

Your local government's Corporate GHG Emissions Balance is the difference between total corporate GHG emissions (direct + contracted emissions) and the GHG emissions reduced through GCC Option 1 and Option 2 projects and/or the purchase of offsets.

CORPORATE GHG EMISSIONS BALANCE FOR 2016 = (A – (B+C+D)) = **805.95 tCO2e**

**If your Corporate GHG Emissions Balance is negative or zero,
your local government is carbon neutral.
CONGRATULATIONS!**

GCC CLIMATE ACTION RECOGNITION PROGRAM

Green Communities Committee (GCC) Climate Action Recognition Program

The joint Provincial-UBCM Green Communities Committee (GCC) is pleased to be continuing the Climate Action Recognition Program again this year. This multi-level program provides the GCC with an opportunity to review and publicly recognize the progress and achievements of each Climate Action Charter (Charter) signatory.

This year a new recognition level has been added – **Level 3: Accelerating Progress on Charter Commitments**–. Recognition is provided on an annual basis to local governments who demonstrate progress on their Charter commitments, according to the following:

Level 1 – Demonstrating Progress on Charter Commitments: for local governments who demonstrate progress on fulfilling one or more of their Charter commitments

Level 2 – Measuring GHG Emissions: for local governments that achieve level 1, and who have measured their Corporate GHG Emissions for the reporting year and demonstrate that they are familiar with the Community Energy and Emissions Inventory (CEEI)

Level 3 – Accelerating Progress on Charter Commitments: for those local governments who have achieved level 1 and 2 and have demonstrated undertaking significant action (corporately or community wide) to reduce GHG emissions in the reporting year (ie: through undertaking a GHG reduction project, purchasing offsets, establishing a reserve fund).

Level 4 - Achievement of Carbon Neutrality: for local governments who achieve carbon neutrality in the reporting year.

For purposes of Level 3 recognition, if applicable, please identify any new or ongoing corporate or community wide GHG reduction projects (other than an Option 1 or Option 2 project) undertaken by your local government that reflects a significant investment of time or financial resources and is intended to result in significant GHG reductions:

PROJECT NAME:

Based on your local government's 2016 CARIP Climate Action/Carbon Neutral Progress Survey, please check the GCC Climate Action Recognition Program level that best applies:

<input type="checkbox"/>	Level 1 – Demonstrating Progress on Charter Commitments	
<input checked="" type="checkbox"/>	Level 2 – Measuring GHG Emissions	X
<input type="checkbox"/>	Level 3 – Accelerating Progress on Charter Commitments	
<input type="checkbox"/>	Level 4 - Achievement of Carbon Neutrality	
<input type="checkbox"/>	Not Sure	