

## Survey Template

### For the *2017 CARIP Climate Action/Carbon Neutral Progress Survey*

Local governments are required to submit the *2017 CARIP Climate Action/Carbon Neutral Progress Survey* on or before June 1, 2018.

#### Use Template to Collect Information

In response to local government input, this Survey Template has been created to assist with collecting information for the *2017 CARIP Climate Action/Carbon Neutral Progress Survey*, and follows the same structure as the survey.

Responses entered into this Template can be cut and pasted into the online survey. The survey asks for up to five actions in each category, and there is a place in the survey to report additional actions if desired. In this Template, simply add more lines to the tables to report more than five actions.

#### Use Template to Assist with Reporting

Local governments are also required to publicly report the information submitted in the *2017 CARIP Climate Action/Carbon Neutral Progress Survey*. There is no ability for survey respondents to generate a report of survey responses, in turn:

- A PDF copy of your survey responses will be sent to you once your completed survey has been submitted.
- Given that it is challenging to edit the PDF document, you are encouraged to use your populated version of this Template, or your own, to report your CARIP results publicly.
- You may also choose to create a report in another format that contains the information submitted in the *2017 CARIP Climate Action/Carbon Neutral Progress Survey*.

Further information on CARIP can be found on the [Ministry of Municipal Affairs and Housing website](#).

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. Please do not provide any third-party information (i.e. refer to others) in your responses to the survey.

# Climate Action Revenue Incentive (CARIP) Public Report for 2017

**Local Government: Regional District of Nanaimo**

**Report Submitted by:**

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**Date: June 1<sup>st</sup> 2018**



The Regional District of Nanaimo has completed the 2017 Climate Action Revenue Incentive Program (CARIP) Public Report as required by the Province of BC. The CARIP report summarizes actions taken in 2017 and proposed for 2018 to reduce corporate and community-wide energy consumption and greenhouse gas emissions (GHG) and reports on progress towards achieving carbon neutrality.

## 2017 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 2017	
	Continuation of Green Building Incentives and the RDN's green building workshop series. In 2017 \$36,470 in green building incentives and rebates. The green building incentive program issued 154 rebates for 127 wood stove exchanges, 6 renewable energy systems, and 18 home energy assessments 1 oil to heat pump rebate, 1 rebate for site cut lumber.
	Complete update of Electoral Area H OCP and Active Transportation Plan.
	Completed implementation of Agricultural Area Plan.
	Energy Step code education and awareness.
	RDN bus Fleet completely powered by Compressed Natural Gas (CNG).
Community-Wide Actions Proposed for 2018	
	Develop Sea Level Rise Adaptation Program and an assessment of Coastal Areas and Flood Plain Mapping.
	Continue Energy Step code education and awareness.
	Review combined Development Permit Area guidelines and combined TUP policies.

Corporate Actions Taken in 2017	
Corporate Actions Proposed for 2018	
	Review Electric Vehicle Charging Station option for staff and the public.
	Initiate Bylaw 500 and subdivision servicing bylaw Review.
	Update of RGS targets and indicators.
	Initiate review of RGS.

Broad Planning		
What is (are) your current GHG reduction target(s)?	80% reduction below 2007 levels by 2050.	
Are you familiar with your community's community energy and emissions inventory (e.g. CEEI or another inventory)?		Yes

What plans, policies or guidelines govern the implementation of climate mitigation in your community?	
• Community Energy and Emissions (CEE) Plan	Yes
• Community- Wide Climate Action Plan	Yes
• Integrated Community Sustainability Plan	No
• Official Community Plan (OCP)	Yes
• Regional Growth Strategy (RGS)	Yes
• Do not have a plan	Yes
• Other:	Yes
Does your local government have a corporate GHG reduction plan?	No
Does your local government have a climate reserve fund or something similar?	Yes

## 2017 BUILDING 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 2017	
	Continued with the Green Building Workshop Series and promoted the BC Energy Step Code. The Workshop series attracted over 100 people a variety of stakeholders from the construction industry as well as elected officials.
	Supported Nanaimo Aboriginal Centre with development of Nanaimo Passive House and conducted tours.
	Continued dispersing green building incentives to residents who improved the performance of their homes.
	Received approval from BC Hydro Community Sustainability Initiatives Program for \$23,000 in funding for education programs related to the BC Building Code and energy conservation.
Community-Wide Actions Proposed for 2018	
	Introduce education and awareness with regards to the Energy Step Code
	Continued delivery of green building outreach, training and program delivery.
	Work with Vancouver Island Real Estate Board and the City of Nanaimo to train local realtors on home energy efficiency.
	Continued delivery of Green Building Incentive Program.
	Continue to review funding options from BC Hydro Community Sustainability Initiatives Program

Corporate Actions Taken in 2017	
	Continued coordination of energy and sustainability initiatives to develop and implement a comprehensive energy management strategy for RDN recreation facilities.

<b>Corporate Actions Proposed for 2018</b>	
	Ongoing implementation for Green Building policy for RDN Facilities in relation to all building projects planned for 2018.
	Continued investment of CARIP rebate into Corporate Climate Action Fund for the purpose of investing in equipment, systems, and initiatives that result in operational savings, energy conservation and emissions reductions at RDN facilities.

<b>Building and Lighting</b>	
The Province has committed to taking incremental steps to increase energy-efficiency requirements in the BC Building Code to make buildings net-zero energy ready by 2032. The BC Energy Step Code--a part of the BC Building Code--supports that effort	
Is your local government aware of the BC Energy Step Cost?	Yes
Is your local government implementing the BC Energy Step Code?	No

## 2017 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.

<b>Community-Wide Actions Taken in 2017</b>	
	Continuation of Green Building Incentives and the RDN's green building workshop series.
	Provide financial incentives to encourage residents to use renewable energy sources.
	Conducted tours of Nanaimo Aboriginal House for Passive House Design.
<b>Community-Wide Actions Proposed for 2018</b>	
	Continuation of Green Building Incentives and the RDN's green building workshop series.

<b>Corporate Actions Taken in 2017</b>	
	Ongoing replacement plan of lighting with LED's and mechanical systems to reduce energy consumption at Regional facilities.
	Captured and diverted landfill gas for electricity generation at the Cedar Road Bioenergy Centre (actual values for electricity generated not known).
	Produced approximately approx. 236,200 kWh of electricity at the Greater Nanaimo Pollution Control Centre in 2017 using biogas to run our cogeneration engine (equivalent to the power usage of 21 homes for one year).

<b>Corporate Actions Proposed for 2018</b>	
	Continued investment in community renewable energy demonstration projects as opportunities arise.
	Exploration of options for enhanced electricity generation at the Greater Nanaimo Pollution Control Centre.
	Continued collection of Landfill Gas to be used for electricity generation at Cedar Road Bioenergy Centre.

<b>Energy Generation</b>	
Is your local government developing, or constructing:	
<ul style="list-style-type: none"> <li>• A district energy system</li> <li>• A renewable energy system</li> </ul>	No No
Is your local government operating:	
<ul style="list-style-type: none"> <li>• A district energy system</li> <li>• A renewable energy system (Regional Landfill) Methane Gas is used to create electricity under contract with BC Hydro.</li> </ul>	No Yes
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 <a href="#">BC Climate Action Toolkit</a> ?	Yes
Are you familiar with the 2017 <a href="#">“List of Funding Opportunities for Clean Energy Projects Led by First Nations and Local Governments?”</a>	Yes

## 2017 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.

<b>Community-Wide Actions Taken in 2017</b>	
	Completion of the Coombs to Parksville Rail Trail
	Community Watershed Monitoring Network maps updates and exports for publishing on Website.
	RDN Parks and Trail Finder mapping was launched. This mobile friendly interactive map enables users to search for and identify parks and recreational trails throughout the RDN on mobile devices. Without internet or cellular data, users can download georeferenced PDF maps that are compatible for use with various mobile mapping applications. So far, 10 regional trail maps, 1 community park map and 3 recreational trail maps are available with more to be developed as data becomes

	available.
	The Amazing Places Project was brought to BC through collaboration with the Mount Arrowsmith Biosphere Region.
<b>Community-Wide Actions Proposed for 2018</b>	
	Little Qualicum River Regional Park and planning for a new bridge will commence in 2018.

<b>Corporate Actions Taken in 2017</b>	
	In 2017, land on Benson View Road was purchased to ease parking issues at Mount Benson Regional Park. This parcel will hold a parking lot and trailhead amenities with construction planned in late 2018. As well, a donation of 67 hectares of land adjacent to the Little Qualicum River Regional Park more than doubled the existing park along the river.
	The management planning process for Beachcomber Regional Park and the planning of the development zone at Moorecroft Regional Park were completed in 2017.
<b>Corporate Actions Proposed for 2018</b>	
	At Benson Creek Falls, planning commenced for facilities to access the falls and for a crossing over Benson Creek. Work continues on approvals for the proposed bridge crossing at Nanaimo River along the Morden Colliery Regional Trail.

<b>Greenspace</b>	
Does your local government have urban forest policies, plans or programs?	<b>Yes</b>
Does your local government have policies, plans or programs to support local food production?	<b>Yes</b>

## 2017 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.

<b>Community-Wide Actions Taken in 2017</b>	
	Completed review and conducted consultation on the draft Solid Waste Management Plan.
	Waste diversion programs continuing to perform well as rate is estimated to be at 68% and this includes recycling programs, organics diversion and in the region.
	Continually working to increase our landfill gas collection efficiency through installation of new vertical landfill collection wells.
	Removed almost 36,000 kg's of illegally dumped waste.
<b>Community-Wide Actions Proposed for 2018</b>	
	Submit the Solid Waste Management Plan to the Province for review process and helping the region get closer to our goal of 90% waste diversion.
	Continue to consult the public on Solid Waste Management Plan.

	Continue enhancement of landfill gas collection system efficiency.
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<b>Corporate Actions Taken in 2017</b>	
	Increased landfill capacity through the completion of the North Berm Expansion Project, which added geotechnical stability to the north slopes and added 10 years of operating life.
<b>Corporate Actions Proposed for 2018</b>	
	Continue enhancement of landfill gas collection system efficiency.
	Replace the holding tank and oil water separator for our onsite waste water treatment plan

<b>Solid Waste</b>	
Does your local government have construction and demolition waste reduction policies, plans or programs?	<b>Yes</b>
Does your local government have organics reduction/diversion policies, plans or programs?	<b>Yes</b>

## 2017 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.

<b>Community -Wide Actions Taken in 2017</b>	
	RDN Transit completed conversion to a Compressed Natural Gas (CNG) powered fleet which is more cost effective and has a smaller carbon footprint than the previously utilized diesel-fueled buses;
	In 2017, staff undertook public consultations to highlight the availability of the Custom Transit Service and increase ridership.
<b>Community-Wide Actions Proposed for 2018</b>	
	Review options for Electric Vehicle Charging Stations for staff use at Regional District Administrative Building.
	The RDN Transit System is introducing NextRide, a convenient, smart, real-time solution to knowing when your next bus will arrive. NextRide uses Automatic Vehicle Location (AVL). Riders can use web browsers and smart mobile devices to see the location of their bus along its route and its predicted arrival time at an identified stop, as well as detours and other events that may delay regular routing.

<b>Corporate Actions Proposed for 2018</b>	
	Review options for Electric Vehicle Charging Stations for public use at Regional District Administrative Building
	Continue to review active transportation opportunities in Electoral areas.
	Reviewing options to increase the conventional transit system that will propose an expansion of 5,000 annual service hours to Route #40 VIU Express.



<b>Transportation</b>	
Does your local government have policies, plans or programs to support:	
• Walking	Yes/No
• Cycling	Yes/No
• Transit Use	Yes/No
• Electric Vehicle Use	Yes/No
• Other (please specify)	Yes/No
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)?	Yes
Does your local government integrate its transportation and land use planning?	Yes

## 2017 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.

<b>Community-Wide Actions Taken in 2017</b>	
	The construction of the Greater Nanaimo Pollution Control Centre (GNPCC) Secondary Treatment Upgrade Project began in May 2017 and will continue to December 2019.
	Sewer Servicing Studies for Bowser Village and Cedar Village were completed. The Bowser Village Centre wastewater collection and treatment system design project was completed with \$300k funded through a gas tax grant.
	The RDN signed a land use agreement with TimberWest and a shared use agreement with the Nanaimo Mountain Bike Club to continue the forest fertilization program.
	Work in 2017 included project management of the Greater Nanaimo Pollution Control Centre Secondary Treatment Upgrade.
	Project design work initiated in 2017 included the French Creek Pollution Control Centre stage 4 upgrades, Bay Avenue Pump Station upgrade predesign, and the Coombs-Hilliers Fire Department water tank replacement.
	Provided SepticSmart workshops in the communities of French Creek (Area G), Extension (Area C), Coombs (Area G), and Qualicum Bay (Area H).
<b>Community-Wide Actions Proposed for 2018</b>	
	Expansion at the French Creek plant and the provision of secondary treatment at the Nanaimo and Nanoose plants.
	Continued construction of the Greater Nanaimo Pollution Control Centre (GNPCC) Secondary Treatment Upgrade Project that is scheduled to be completed in December 2019.
	In 2018, RDN Water Services will undertake a Condition Assessment and Capital Planning Study for eight of the Water Service Areas.
	Arrowsmith/Englishman River Water Service Joint Venture the construction of the next phase of a new river intake and a water treatment plant is now underway and scheduled for completion in early 2019. After completion, the RDN will be able to utilize surface water from the Englishman

	River all year long and supply water to support future development with the WSA. A new pump station to convey the river water is currently being designed and construction will begin later in 2018.
	Supervisory Control and Data Acquisition (SCADA) Master Plan will be initiated to help guide future SCADA upgrades and increased operational efficiency.

Water Conservation	
Does your local government have water conservation policies, plans or programs?	Yes/No

## 2017 CLIMATE CHANGE ADAPTATION ACTIONS

This section of the CARIP survey is designed to collect information related to the types of climate impacts local governments are experiencing and how they are being addressed.

Please identify the <b>THREE</b> climate impacts that are most relevant to your Local Government.	
<ul style="list-style-type: none"> <li>• Warmer winter temperatures reducing snowpack</li> <li>• Changes to temperature and precipitation causing seasonal drought</li> <li>• Heatwaves impacting population health</li> <li>• Increased temperatures increasing wildfire activity</li> <li>• Increased temperatures affecting air quality</li> <li>• Changing temperatures influencing species migration and ecosystem shifts</li> <li>• Extreme weather events contributing to urban and overland flooding</li> <li>• Sea level rise and storms causing coastal flooding and/or erosion</li> </ul>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
Other:	

In 2017 has your local government addressed the impacts of a changing climate using any of the following?	
Risk and Vulnerability Assessments	Yes
Risk Reduction Strategies	Yes
Emergency response planning	Yes
Asset management	Yes
Natural/Eco asset management strategies	Yes
Infrastructure upgrades (e.g. storm water system upgrades)	Yes
Beach Nourishment projects	Yes
Economic diversification initiatives	Yes
Strategic and financial planning	Yes
Cross-department working groups	Yes
OCP policy changes	Yes
Changes to zoning and other bylaws and regulations	Yes

Incentives for property owner (e.g. reducing storm water run-off)	Yes
Public education and awareness	Yes
Research	Yes
Mapping	Yes
Partnerships	Yes
Other:	

<b>Climate Change Adaptation Actions Taken in 2017</b>	
Please elaborate on key actions and/or partnerships your local government has engaged in to prepare for, and adapt to a changing climate. Add links to key documents and information where appropriate.	
	The RDN commenced the first phase of an assessment of coastal areas that may be impacted by sea level rise within the Electoral Areas, Parksville and Lantzville. The data was collected using Light Detection and Ranging (LiDAR) for coastal areas below 40 meter elevations. When complete, the entire coastal region from Electoral Area 'H' to 'A', including Area 'B' and member municipalities will have LiDAR floodplain mapping, which will be used to better inform decision-making.
<b>Climate Change Adaptation Actions Proposed for 2018</b>	
	Analysis of water levels and flood construction levels for the purpose of producing floodplain maps.
<b>For more information please contact:</b>	



	Supporting Emergency Management Oceanside (EMO) partnership with City of Parksville and Town of Qualicum Beach for emergency program and volunteer coordination;
	Applying for UBCM Community Emergency Preparedness Fund grants to support projects for ESS development and EOC readiness;
	Updating the Neighbourhood Emergency Preparedness Program to enhance its use within the region.

<b>Corporate Actions Proposed for 2017</b>	
	Completion of the Coastal First Nations Art Project for the RDN Administration Building, and installation of the art pieces;

<b>Other</b>	
Are you familiar with the <a href="#">Community Lifecycle Infrastructure Costing Tool (CLIC)?</a>	<b>Yes</b>
Have you used CLIC?	<b>Yes</b>

## INNOVATION AND PEER-TO-PEER LEARNING

### **Innovation**

This section provides the opportunity to showcase an innovative Corporate and/or Community-Wide GHG reduction and/or climate change adaptation activity that your local government has undertaken and that has had, or has the potential to have, a significant impact. You are welcome to repeat an action that has already been listed.

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.

Communities that have conducted innovative initiatives may want to consider raising their profile through applications to [CEA’s Climate and Energy Action Awards](#), [UBCM Climate and Energy Action Award](#), [FCM Sustainable Communities Awards](#) or through submissions to [FCM’s National Measures Report](#).

<b>Community-Wide Action</b>
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Helped support Nanaimo Aboriginal centre to achieve Passive House Standard for a Multi Family affordable housing development.

Provided Team Water Smart educational presentations for Qualicum, Snaw-naw-as and Snuneymuxw First Nations schools

Worked with Aboriginal Education Coordinator in SD69 to include significant First Nations place names on the new DWWP website map interface.

Work with First Nations (Qualicum (QFN), Nanoose (NFN) and Nanaimo (SFN)) on joint flood operations reviews, assistance with information material, campsite evacuation planning, earthquake presentation and seasonal hazards. First Nations reps invited and participated in training sessions.

Co-hosted forum with Island Health open to local governments, School District and First Nation Band members to increase mutual understanding of the organizations and explore potential partnerships.

**Corporate Action**

Utilizing management software to consolidate and centralize data into digital environment and to increase efficiencies related to all aspects of the meeting management from report writing to agenda and minutes productions.

**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.

**Mitigation**

**Programs and Funding**

Gas Tax Funds (Community Works Funds for community renewable energy systems and Regionally Significant Projects for major capital projects)/ Community Energy Leadership Program to support investment in high efficiency equipment/ Provincial Woodstove Exchange Program to support green building incentive program/ BC Hydro and Real Estate Foundation for BC funding for community projects relating training realtors/ BC Hydro funding for energy studies/ CARIP program for investing in corporate energy efficiency initiatives/ virtually any and all grant programs are helpful.

**Adaptation**

**Programs and Funding**

## 2017 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 portion of the survey, please ensure that you are familiar with guidance available on the B.C. Climate Action Toolkit website, especially the [Becoming Carbon Neutral: A Guide for Local Governments in British Columbia](#).

*Please note: As a result of the BC Recycling Regulation, local governments are no longer required to account for greenhouse gas (GHG) emissions from vehicles, equipment and machinery required for the collection, transportation and diversion of packaging and printed paper, in their annual Climate Action Revenue Incentive Program (CARIP) reports.*

### Reporting Emissions

Did you measure your local government's corporate GHG emissions in 2017?	Yes
If your local government measured 2017 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:	3,860.91
If your local government measured 2017 corporate GHG emissions, please report the number of corporate GHG emissions (in tonnes of carbon dioxide equivalent) from <u>contracted</u> services:	102.01
<b>TOTAL A: CORPORATE GHG EMISSIONS FOR 2017</b>	<b>3,962.92 tCO<sub>2</sub>e</b>

### Reporting Reductions and Offsets

To be carbon neutral, a local government must balance their TOTAL corporate GHG emissions generated in 2017 by one or a combination of the following actions:

- undertake GCC-supported Option 1 Project(s)
- undertake GCC-supported Option 2 Project(s)
- purchase carbon offsets from a credible offset provider

**If applicable, please report the 2017 GHG emissions reductions (in tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e)) being claimed from Option 1 GHG Reduction Projects:**

OPTION 1 PROJECTS	REDUCTIONS
Energy Efficient Retrofits	
Solar Thermal	
Household Organic Waste Composting	1,055.7
Low Emission Vehicles	
Avoided Forest Conversion	
<b>TOTAL B: REDUCTIONS FROM OPTION 1 PROJECTS FOR 2017</b>	<b>1,055.7 tCO2e</b>

If applicable, please report the names and 2017 GHG emissions reductions (in tonnes of carbon dioxide equivalent (tCO2e)) being claimed from Option 2 GHG Reduction Projects:

OPTION 2 PROJECT NAME	REDUCTIONS
The Regional District of Nanaimo verified and validated 21,123 tonnes of Offsets arising from the existing landfill gas collection project. Of these, 5,000 tonnes have been listed through the Community Carbon Marketplace. The remainder will be subject to future listing as well as counted against RDN corporate emissions for the purpose of achieving carbon neutral operations. In 2017, Cowichan Energy Alternatives Society sold 1399 on behalf of the RDN.	
<b>TOTAL C: REDUCTIONS FROM OPTION 2 PROJECTS FOR 2017</b>	<b>2907.22 tCO2e</b>

If applicable, please report the name of the offset provider, type of project and number of offsets purchased (in tonnes of carbon dioxide equivalent (tCO2e)) from an offset provider for the 2017 reporting year:

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



OFFSET PROVIDER NAME	OFFSETS
<b>TOTAL D: OFFSETS PURCHASED FOR 2017</b>	<b>tCO<sub>2</sub>e</b>

**TOTAL REDUCTIONS AND OFFSETS FOR 2017 (Total B+C+D) = 3,962.92 tCO<sub>2</sub>e**

### Corporate GHG Emissions Balance for 2017

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 2017 = (A – (B+C+D)) = 0 tCO<sub>2</sub>e**

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

If applicable, please record any emissions reductions you will be carrying over for future years and the source of the emissions reductions, including the year they were earned (E.g., Organics diversion, 2016 100 tCO<sub>2</sub>e).

SOURCE OF CARRY OVER EMISSION REDUCTIONS (and year earned)	REDUCTIONS
21,230 landfill gas project - 2012	21,123
Carbon offsets sold to Cowichan Energy Alternatives (minus)	-5,000.00
Carbon offsets used in 2016 & 2017 (minus)	-4,599.14
	(9,599.14)
Carry forward	11,523.86
<b>BALANCE OF REDUCTIONS ELIGIBLE FOR CARRY OVER TO NEXT YEAR</b>	<b>11,523.86</b>
	<b>tCO<sub>2</sub>e</b>

Carbon Neutral Reporting	
Does your local government have a climate reserve fund or something similar?	<b>Yes</b>

## 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.

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 their community's energy and emissions inventory (i.e. 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 (i.e.: 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:**

<b>PROJECT NAME:</b>

**Based on your local government's 2017 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	
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Level 2 – Measuring GHG Emissions	
Level 3 – Accelerating Progress on Charter Commitments	
Level 4 - Achievement of Carbon Neutrality	✓
Not Sure	