

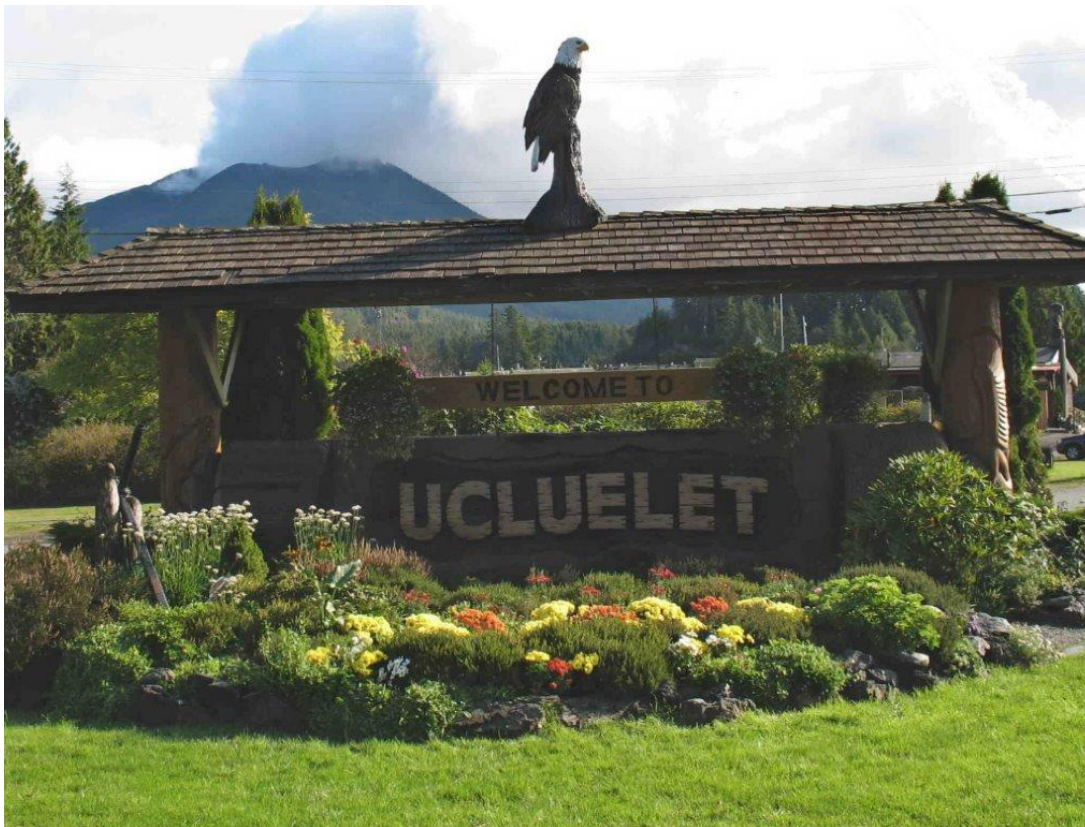
# Climate Action Revenue Incentive (CARIP) Public Report for 2016

**Local Government: DISTRICT OF UCLUELET**

**Report Submitted by:**

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The District of Ucluelet 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, and centered) plays an especially important role in energy and GHG reduction.

<b>Community-Wide Actions Taken in 2016</b>	
	-Completed "Age Friendly Action Plan"
	-Official Community Plan preliminary public consultation for OCP review
<b>Community-Wide Actions Proposed for 2017</b>	
	-Following recommended objectives and strategies identified in the "Age friendly Action Plan"
	-Direct Current Fast Charging Station -proposed to be deployed at the Junction of Highway Four and Pacific Rim Highway, a site selected to most effectively service plug-in electric vehicles
	-Official Community Plan : charrettes, public input sessions for review on specific policy changes

<b>Corporate Actions Taken in 2016</b>	
<b>Corporate Actions Proposed for 2017</b>	

<b>Broad Planning</b>	
What is (are) your current GHG reduction target(s)?	<b>(Please provide details here)</b>
Has your local government used the Community Energy and Emissions Inventory (CEEI) to measure progress?	<b>Yes</b>
What plans, policies or guidelines govern the implementation of climate mitigation in your community?	
<ul style="list-style-type: none"> <li>• Community Energy and Emissions (CEE) Plan</li> <li>• Climate Action Plan</li> <li>• Integrated Community Sustainability Plan</li> <li>• Official Community Plan (OCP)</li> <li>• Regional Growth Strategy (RGS)</li> <li>• Do not have a plan</li> <li>• Other:</li> </ul>	<b>Yes</b> <b>Yes</b> <b>Yes</b> <b>Yes</b> <b>No</b>
Does your local government have a corporate GHG reduction plan?	<b>No</b>
Does your local government have a climate reserve fund or something similar?	<b>No</b>

## 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.

<b>Community-Wide Actions Taken in 2016</b>	
	-Pilot project for eight LED street lights at selected sites throughout Ucluelet
<b>Community-Wide Actions Proposed for 2017</b>	

<b>Corporate Actions Taken in 2016</b>	
	-Demolished old Pottery Building and replaced with a C-can for emergency supply storage.

	-Ucluelet Fire Hall – all windows replaced; lighting replaced.
<b>Corporate Actions Proposed for 2017</b>	

**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.

<b>Community-Wide Actions Taken in 2016</b>	
<b>Community-Wide Actions Proposed for 2017</b>	

<b>Corporate Actions Taken in 2016</b>	

Corporate Actions Proposed for 2017	

Energy Generation	
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</li> </ul>	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 <a href="#">BC Climate Action Toolkit</a> ?	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	
	-Completion of Parkette Kimoto Drive -Started Parkette on Alder Street
	-New garden areas at Ucluelet Cemetery
	-Continued use of District Greenhouse to propagate annuals and perennials for District baskets and gardens.
Community-Wide Actions Proposed for 2017	
	-Planning and community input sessions for an Active Community Part located on St. Jacques Blvd.
	-Proposal for a community garden located at Edna Bachelor park to be used for local vegetable production
	-Continued use of District Greenhouse to propagate annuals and perennials for District baskets and

	gardens.

<b>Corporate Actions Taken in 2016</b>	
	-Completion of Parkettes on Kimoto Drive
	-Construction of Parkettes on Alder Road
<b>Corporate Actions Proposed for 2017</b>	
	-Planning park installation on St Jacques Blvd
	-Install water to service and community garden beds located at Edna Bachelor park to be used for local vegetable production
	-Completion of Alder Rd Parkette

<b>Greenspace</b>	
Does your local government have urban forest policies, plans or programs?	<b>No</b>

## 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.

<b>Community-Wide Actions Taken in 2016</b>	
	-Spring Clean Up Day held in May. Residents can dispose of items that are not normally picked up through garbage collection.
<b>Community-Wide Actions Proposed for 2017</b>	
	Spring Clean Up Day held in May. Residents can dispose of items that are not normally picked up through garbage collection.

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Corporate Actions Taken in 2016	
	-Lagoon pond rebuilt undertaken with funding support from Clean Water and Waste Water Funding Sources
Corporate Actions Proposed for 2017	
	-Increase capacity of lagoon ponds and install new liners; install variable frequency drives; install SCADA controls
	-Upgrades at the Bay street simplex and duplex sewer lift stations

Solid Waste	
Does your local government have construction and demolition waste reduction policies, plans or programs?	<b>No</b>
Does your local government have organics reduction/diversion policies, plans or programs?	<b>No</b>

## 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	
	-Additional loops and look outs added to the Wild Pacific Trail System
Community-Wide Actions Proposed for 2017	
	-Sidewalk completed from the corner of Coast Guard Road to HE-TIN-KIS park (part of the Wild Pacific Trail Connector)

<b>Corporate Actions Taken in 2016</b>	
	-ICBC traffic study to identify hazardous traffic zones on Peninsula Road
	-Support CHUU Train Regional Transit Pilot Project- to collect valuable data on the potential ridership and viability of ongoing public transportation on the West Coast.
<b>Corporate Actions Proposed for 2017</b>	
	-Funding opportunity through ICBC to install two new pedestrian crosswalks identified at hazardous points on Peninsula Road

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

## 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.

<b>Community-Wide Actions Taken in 2016</b>	
	-Water Restriction Bylaw
	-All commercial properties required to install water meters by end of 2016 and all building permits issued with the requirement for a water meter to be installed on site.
<b>Community-Wide Actions Proposed for 2017</b>	



<b>Corporate Actions Taken in 2016</b>	
	-Cleaning of Matterson and Highway Water Reservoir tanks
	-SCADA controls added to Big Beach and Helen Road lift stations
	-SCADA controls upgraded at Water Treatment Plant, use of SCADA controls reduces need for onsite calls by District operators.
<b>Corporate Actions Proposed for 2017</b>	
	-District-wide unidirectional flushing of all water lines
	-2017 variable frequency drives to be installed at the Water Treatment Plant
	-Construction of an interconnect Station control on Cedar Road -linking the two water zones to provide usage controls.
<b>Water Conservation</b>	
Does your local government have water conservation policies, plans or programs?	<b>No</b>

## 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.

<b>Climate Change Adaptation Actions Taken in 2016</b>	
<b>Climate Change Adaptation Actions Proposed for 2017</b>	

Resources you have used to support climate change adaptation (e.g. <a href="#">Plan2Adapt</a> , <a href="#">Preparing for Climate Change: Implementation Guide</a> )	

In 2016 did you consider climate change impacts in any of the following areas? (check if yes)	
Risk reduction strategies Risk and Vulnerability assessment Asset management Infrastructure upgrades (e.g. storm water system upgrades) Cross-department working groups Emergency response planning Land-use policy changes (e.g. OCP, DPA) Economic diversification initiatives Ecosystem-based approaches (incl. shorelines) Incentives (e.g. property owner reducing storm water run-off) Public education and awareness Research (e.g. Mapping, participation in studies)  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	

Other	
Are you familiar with the <a href="#">Community Lifecycle Infrastructure Costing Tool (CLIC)?</a>	No
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
<p><u><a href="#">Ucluelet &amp; Barkley Sound Shoreline Cleanup Program</a></u></p> <p>In 2016-17, the VIMDWG, along with the MoE, BC Parks, Parks Canada, and various businesses and numerous volunteers in B.C., collaborated with the recovery of marine debris off the remote and rugged shorelines on Vancouver Island in the summer of 2016 with the assistance of helicopter longlining operations and a communal barge. The project was funded in large part by the generous donation from the Government of Japan. Living Oceans Society, a non-profit environmental organization in Sointula, B.C., led on the joint recovery known as the GarBarge Project. The</p>

VIMDWG collaborated throughout the spring and summer to bag over 400 cubic meters of debris and rope together thousands of floats and other large material for helicopter lifting - an estimated 40 tonnes of material. In September 2016, using helicopters with sling load capabilities and a 150-foot barge, the operation took approximately 1-week to deliver approximate 40 tonnes of debris to Richmond (River Road Barge and Transfer), B.C. for recycling on October 1-2, 2016.

On September 24, 2016, a helicopter longlined approximately 12 tonnes of consolidated marine debris collected during the 5 cleanup events coordinated by the District of Ucluelet during the month of August 2016 in the Broken Group Islands. The District of Ucluelet led the 5 shoreline cleanups with volunteers and specialized cleanup teams. The debris was consolidated on Keith Island - the super sack central location during the 2016 cleanup events. The District of Ucluelet was very thankful to the Tseshat Beach Keepers for their generosity to let the District of Ucluelet borrow their dock and to allow volunteers to camp on their island during the duration of the August cleanup events.

**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**

**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?	<b>Yes</b>
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:	95
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:	0
<b>TOTAL A: CORPORATE GHG EMISSIONS FOR 2016</b>	<b>95 tCO<sub>2</sub>e</b>

## 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 (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	
Low Emission Vehicles	
Avoided Forest Conversion	
<b>TOTAL B: REDUCTIONS FROM OPTION 1 PROJECTS FOR 2016</b>	<b>tCO<sub>2</sub>e</b>

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
<b>TOTAL C: REDUCTIONS FROM OPTION 2 PROJECTS FOR 2016</b>	<b>tCO2e</b>

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
<b>TOTAL D: OFFSETS PURCHASED FOR 2016</b>	<b>tCO2e</b>

**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)) =    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:**

<b>PROJECT NAME:</b>