

# Climate Action Revenue Incentive (CARIP) Public Report for 2015

**Local Government: District of Sooke**

**Report Submitted by:**

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The District of Sooke has completed the 2015 Climate Action Revenue Incentive Program (CARIP) Public Report as required by the Province of BC. The CARIP report summarizes actions taken in 2015 and proposed for 2016 to reduce corporate and community-wide energy consumption and greenhouse gas emissions (GHG) and reports on progress towards achieving carbon neutrality. There is also an opportunity to report on climate adaptation actions.

## 2015 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 2015	
	The 2015 Strategic Plan focuses on smart growth principles. Enhancing Community Livability through making the town centre vibrant and accessible, improving opportunities for residents to gather and connect, and taking steps to protect Sooke's natural beauty. This broad level planning encourages active modes of transportation.
Community-Wide Actions Proposed for 2016	
	We will be updating the Official Community Plan.

Corporate Actions Taken in 2015	
	Net Zero - Corporate Waste Reduction Strategy
Corporate Actions Proposed for 2016	

Snapshot Questions	
Are GHG reduction targets included in your local government's Official Community Plan or Regional Growth Strategy?	Yes
Are you familiar with the Community Energy and Emission Inventory (CEEI)?	Yes
Does your local government use the Community Energy and Emissions Inventory (CEEI) to measure progress?	Yes
Which of the following does your local government use to guide climate action implementation?	
• Community Energy and Emissions (CEE) Plan	Yes
• Climate Action Plan	No
• Integrated Community Sustainability Plan	No
• Official Community Plan (OCP)	Yes
• Regional Growth Strategy (RGS)	Yes
• Other:	
Does your local government have a climate action reserve fund?	Yes
Does your local government have a Corporate Climate Action Plan?	Yes

## 2015 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 2015	
	LED lighting on ornamental street lights
Community-Wide Actions Proposed for 2016	

Corporate Actions Taken in 2015	
Corporate Actions Proposed for 2016	
	LED lighting for municipal hall

## 2015 ENERGY GENERATION ACTIONS

### 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.

Community-Wide Actions Taken in 2015	
Community-Wide Actions Proposed for 2016	
Corporate Actions Taken in 2015	
Corporate Actions Proposed for 2016	

Climate Action Working Group investigating solar PV options for municipal hall.
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Snapshot Questions	
Is your local government developing, or constructing a district energy project?	No
Is your local government operating a district energy system?	No
Is your local government developing or constructing a renewable energy project?	No
Is your local government operating a renewable energy project?	No
Are you aware of the Integrated Resource Recovery guidance page on the BC Climate Action Toolkit <a href="http://www.toolkit.bc.ca/resource/integrated-resource-management-study">http://www.toolkit.bc.ca/resource/integrated-resource-management-study</a>	Yes

## 2015 GREENSPACE/ NATURAL RESOURCE PROTECTION 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 2015	
<input type="checkbox"/>	New trail linkages created
<input type="checkbox"/>	Riparian Area Protection
<input type="checkbox"/>	Bioswales on Wadams Way road project
<input type="checkbox"/>	
<input type="checkbox"/>	
Community-Wide Actions Proposed for 2016	
<input type="checkbox"/>	New trail linkages
<input type="checkbox"/>	Riparian areas protection
<input type="checkbox"/>	Invasive species removal in parks
<input type="checkbox"/>	
<input type="checkbox"/>	

Corporate Actions Taken in 2015	
<input type="checkbox"/>	
Corporate Actions Proposed for 2016	
<input type="checkbox"/>	

Snapshot Question	
Does your local government have urban forest policies, plans or programs?	No

## 2015 SOLID WASTE ACTIONS

### 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.

<b>Community-Wide Actions Taken in 2015</b>	
<b>Community-Wide Actions Proposed for 2016</b>	

<b>Corporate Actions Taken in 2015</b>	
	Net Zero – Corporate Waste Reduction at municipal hall and parks/trails
<b>Corporate Actions Proposed for 2016</b>	
	Climate Action Working Group investigating “green” waste pick-up options/diversion

<b>Snapshot Questions</b>	
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>Yes</b>

## 2015 TRANSPORTATION ACTIONS

### 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.

<b>Community -Wide Actions Taken in 2015</b>	
	Roundabout project, new sidewalks in towncentre, new trail connections
<b>Community-Wide Actions Proposed for 2016</b>	
	Assessment of active and safe routes to and from schools

<b>Corporate Actions Taken in 2015</b>	
<b>Corporate Actions Proposed for 2016</b>	

Exploring EV charging options for municipal hall
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Snapshot Questions	
Does your local government have policies, plans or programs to support:	
• Walking	Yes
• Cycling	Yes
• Transit Use	No
• Electric Vehicle Use	No
• Other	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)?	No
Does your local government have policies, plans or programs to support local food production (thus reducing transportation emissions)?	Yes

## 2015 WATER AND WASTEWATER ACTIONS

### 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.

Community-Wide Actions Taken in 2015	
Community-Wide Actions Proposed for 2016	
	Centifuge project will reduce trips to landfill

Corporate Actions Taken in 2015	
Corporate Actions Proposed for 2016	

Snapshot Questions	
Does your local government have water conservation policies, plans or programs? (No – water service is delivered by the CRD)	No

## 2015 CLIMATE CHANGE ADAPTATION ACTIONS

### Climate Change Adaptation

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.

Community-Wide Actions Taken in 2015	
<input type="checkbox"/>	Public awareness (Tsunami warning signs etc)
Community-Wide Actions Proposed for 2016	
<input type="checkbox"/>	Bylaw reviews

Corporate Actions Taken in 2015	
<input type="checkbox"/>	Staff awareness (Net Zero waste reduction plan)
Corporate Actions Proposed for 2016	
<input type="checkbox"/>	

Snapshot Questions	
Are you aware of the Plan2Adapt guidance page on the <a href="#">BC Climate Action Toolkit?</a>	Yes
Are you aware of the <i>Preparing for Climate Change, An Implementation Guide for Local Governments in BC</i> on the <a href="#">BC Climate Action Toolkit?</a>	Yes
Have you visited the climate change adaptation guidance page on the <a href="#">BC Climate Action Toolkit?</a>	Yes

## 2015 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 2015	
<input type="checkbox"/>	
Community-Wide Actions Proposed for 2016	
<input type="checkbox"/>	

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<b>Corporate Actions Taken in 2015</b>	
<b>Corporate Actions Proposed for 2016</b>	

**INNOVATION AND PEER-TO-PEER LEARNING**

**Innovation**

This section provides the opportunity to showcase an innovative Corporate and/or Community-Wide reduction or adaptation activity that your local government has undertaken and that has had a significant impact 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.

<b>Community-Wide Innovative Action</b>	
	Climate Action Committee and sub working group
<b>Corporate Innovative Action</b>	
	Carbon Tax Rebate Reserve Fund

**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 appropriate box below.

<b>Programs and Funding</b>	
	BikeBC CIPP grant funding for new trail connection on Sooke River Road (connects Galloping Goose with town core)



## 2015 CARBON NEUTRAL REPORTING

### Reporting Emissions

Did you measure your local government's corporate GHG emissions in 2015? (Yes/No)	Yes
If your local government measured 2015 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:	60.69
If your local government measured 2015 corporate GHG emissions, please report the number of corporate GHG emissions (in tonnes of carbon dioxide equivalent) from <u>contracted</u> services:	39.87
<b>TOTAL A: CORPORATE GHG EMISSIONS FOR 2015</b>	<b>100.56 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 Option 1 Projects (GCC-supported)
- undertake Option 2 Projects (alternative) community GHG emissions reduction projects that meet project eligibility requirements
- purchase carbon offsets from a credible offset provider

If applicable, please report the 2015 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
Household Organic Waste Composting	109.1
<b>TOTAL B: REDUCTIONS FROM OPTION 1 PROJECTS FOR 2015</b>	<b>109.1 tCO<sub>2</sub>e</b>

If applicable, please report the names and 2015 GHG emissions reductions (in tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e)) being claimed from Option 2 GHG Reduction Projects:

OPTION 2 PROJECT NAME	REDUCTIONS
<b>TOTAL C: REDUCTIONS FROM OPTION 2 PROJECTS FOR 2015</b>	<b>tCO<sub>2</sub>e</b>

If applicable, please report the number of offsets purchased (in tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e)) from an offset provider for the 2015 reporting year:  
(NOTE: DO NOT INCLUDE ANY FUNDS THAT MAY BE SET ASIDE IN A CLIMATE ACTION RESERVE FUND)

OFFSET PROVIDER	REDUCTIONS
<b>TOTAL D: OFFSETS PURCHASED FOR 2015</b>	<b>tCO2e</b>

**TOTAL REDUCTION AND OFFSETS FOR 2015 (Total B+C+D) = 109.1 tCO2e**

### **Corporate GHG Emissions Balance for 2015**

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 2015 = (A – (B+C+D)) = -8.54 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. Recognition is provided on an annual basis to local governments who demonstrate progress on their Charter commitments, according to the following:

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

**Level 2 - Measurement:** for local governments 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 - Achievement of Carbon Neutrality:** for local governments who achieve carbon neutrality in the reporting year.

**Based on your local government's 2014 CARIP Public Report, please check the GCC Climate Action Recognition Program level that best applies:**

<input type="checkbox"/>	Level 1 - Progress on Charter Commitments	
<input type="checkbox"/>	Level 2 - Measurement	
<input checked="" type="checkbox"/>	Level 3 - Achievement of Carbon Neutrality	<b>3</b>
<input type="checkbox"/>	Not Sure	



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File: 5220-20  
Greenhouse Gas Credits

Organics Waste Diversion (Project Profile 1D)

### Option 1D: Organic Waste Composting Project Plan

Project Proponent Information	
Name of Local Government Project Proponent(s)	Provide the name of the local government(s) involved in the project and that will be claiming GHG reductions from the project under Option 1. <i>Capital Regional District, District of Central Saanich, City of Colwood, Town of Esquimalt, District of Highlands, City of Langford, District of Metchosin, District of North Saanich, District of Oak Bay, District of Saanich, Town of Sidney, District of Sooke, City of Victoria, Town of View Royal, Islands Trust</i>
Project Designate appointed to sign off on Project Plan	Provide the name, phone and e-mail of the Project Designate duly authorized and having the legal capacity to sign off on this Template (e.g., CAO, CFO)  Name: Rajat Sharma, Acting CFO  Title: Chief Financial Officer (Acting), Finance and Technology  Phone: 250-360-3011      Email: rsharma@crd.bc.ca
Project Contact	Provide a Project Contact name if different from above  Name: Amanda Broad  Title: Climate Action Program Coordinator (Acting)  Phone: 250.360.3048      Email: abroad@crd.bc.ca
Project Information	
Project title	Provide project title Organic Waste Composting Project
Option 1 Project Profile	Confirm which Option 1 project and project profile you are implementing. Check only one per Project Plan Template submitted:  <input type="checkbox"/> Project 1A: Low Emission Vehicles <input type="checkbox"/> Project 1B: Energy Efficient Building Retrofits and Fuel Switching <input type="checkbox"/> Project 1C: Solar Thermal <input checked="" type="checkbox"/> Project 1D: Household Organic Waste Composting <input type="checkbox"/> Project 1E: Avoided Forest Conversion Project (AFCP)
Project description and objectives	Briefly summarize the project in terms of what, where, how when and why (max 4-5 sentences or bullets).  <ul style="list-style-type: none"> <li>- The CRD has implemented a kitchen scraps waste diversion program on behalf of the region.</li> <li>- In 2013, the CRD implemented an incentive program to encourage residents and businesses to divert their kitchen scraps from the landfill. The haulers have been notified of the CRD's intention to claim the credits.</li> <li>- Approximately 6187 tonnes of additional kitchen scraps were diverted from the industrial, commercial, institutional, and private residential sector in 2015.</li> </ul>
Project co-benefits (Optional)	Beyond the reducing GHG emissions, describe any anticipated community and/or sustainability co-benefits that this project will provide (e.g., energy cost savings, stimulation of the local economy through green job growth, foster technological innovation, raise public awareness of climate change/energy conservation)  <ul style="list-style-type: none"> <li>- Raise public awareness of climate change and waste diversion.</li> <li>- Reduces amount of waste entering landfill, saving space.</li> <li>- Allows for better end use products of kitchen scraps (i.e. compost, soil amenders, etc.)</li> </ul>
Project start date	Indicate the project start date: January 2013