



# 2019 Climate Action Revenue Incentive Program (CARIP) Public Report

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## 2019 Climate Action Revenue Incentive Program (CARIP) Public Report

### Overview

#### INTRODUCTION:

The 2019 CARIP public report highlights and celebrates local government climate action in British Columbia.

#### REPORT CONTENT:

Section 1: Local Government Information

Section 2: Narrative Focus

2019 Corporate Climate Action

2019 Community-wide Climate Action

2019 Climate Change Adaptation Action

Section 3: 2019 Carbon Neutral Reporting

## Section 1 – Local Government Information

Name of Local Government:

District of North Saanich



Name of Regional District:

Capital Regional District

Does your region have a Regional Growth Strategy (RGS):

- Yes
- No
- Don't know

Population:

- 0-4,999
- 5,000 to 9,999
- 10,000 to 49,999
- 50,000 to 99,999
- 100,000+

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## Section 2 - Narrative Focus

Local government signatories to the B.C. Climate Action Charter have committed to taking climate action by:

- Working towards achieving corporate carbon neutrality;
- Measuring and reporting on their community-wide GHG emissions; and
- Creating complete, compact, energy-efficient communities.

A key part of the 2019 CARIP report is to highlight and celebrate successful climate actions undertaken by local governments in British Columbia.

In 2019, what actions has your local government taken to support the creation of compact, complete, and energy efficient communities?

- Update to the Regional Context Statement within the District's Official Community Plan to include food systems and climate action sections to align with the CRD Regional Growth Strategy
- Provincial Flood Area Hazard Management Guidelines - Planning OCP Section 4.0 Marine Action - staff is part of technical advisory committee
- Participating municipality in the CRD's Flood Inundation Mapping project
- Continued District participation in the CRD Climate Action Inter-Municipal Working Group
- Implementation of the Whole Community Agricultural Strategy
- Acquisition of a 5.85 park through amenity bonusing provision to allow for higher density of residential lots (Baldwin Property)
- BC Energy Step Code Level 1 for all buildings excluding smaller renovations and additions
- Established Climate Change Select Committee to provide recommendations on climate change related issues and to inform the Climate Action Strategy work in 2020
- Extension of bike lane system on West Saanich Road which supports the District's Transportation and Cycling Plan as described in the OCP, by providing safe facilities to promote active transportation.

2019 CORPORATE CLIMATE ACTION:

Corporate climate actions refer to actions that reduce the GHG emissions produced as a result of a local government’s delivery of “traditional services”, including fire protection, solid waste management, recreational/cultural services, road and traffic operations, water and wastewater management, and local government administration.

In 2019, when it comes to corporate climate action, did your local government undertake any of the following (PLEASE SELECT ALL THAT APPLY):

- Building and Lighting Actions – opportunistically replacing older light fixtures with LED lighting
- Energy Generation Actions
- Greenspace Actions
- Planning Actions
- Solid Waste Actions – upgrading operation of green waste composting facility
- Transportation Actions – expansion of bike lane network
- Water and Wastewater Actions – renewal of watermain network by replacing asbestos cement piping at end of life
- Other Climate Actions (PLEASE SPECIFY)
- Don’t know

Please specify 'Other Climate Actions'

- BC Energy Step Code Level 1 for all buildings excluding smaller renovations and additions
- Update to the Regional Context Statement within the District’s Official Community Plan
- Participating municipality in the CRD’s Flood Inundation Mapping project

When it comes to corporate Building and Lighting Actions, did your local government undertake any of the following in 2019 (PLEASE SELECT ALL THAT APPLY):

- New or upgraded energy-efficient lighting systems – Municipal Hall
- New or upgraded energy-efficient heating systems
- New or upgraded building envelope initiatives
- Upgrades to amenities in recreation facilities
- Studies related to building and/or lighting energy efficiency – Building Condition Assessment and Reinvestment Plan initiated
- Other (PLEASE SPECIFY)

Don't know

Please specify 'Other'

When it comes to corporate Energy Generation Actions, did your local government undertake any of the following in 2019 (PLEASE SELECT ALL THAT APPLY):

- Solar power projects
- Heat recovery or heat reclamation projects
- Biomass or bio-gas projects
- Geo-exchange or geothermal projects
- Studies related to energy generation
- Other (PLEASE SPECIFY)
- Don't know

Please specify 'Other'

When it comes to corporate Greenspace Actions, did your local government undertake any of the following in 2019 (PLEASE SELECT ALL THAT APPLY):

- Tree planting
- Greenspace acquisition - acquisition of a 5.85 park through amenity bonusing provision to allow for higher density of residential lots (Baldwin Property)
- New or upgraded amenities in parks
- Invasive species management – support Capital Region Invasive Species Program (CRISP)
- Plans or strategies related to greenspace
- Other (PLEASE SPECIFY)

Don't know

Please specify 'Other'

When it comes to corporate Planning Actions, did your local government undertake any of the following in 2019 (PLEASE SELECT ALL THAT APPLY):

- Energy/Emissions Management Plan (New or Updated)
- Asset Management Plan (New or Updated) – Initiated Drainage Master Plan
- Corporate Climate Action Plan (New or Updated)
- Strategic Plan (New or Updated)
- Other (PLEASE SPECIFY)
- Don't know

Please specify 'Other'

Established Climate Change Select Committee to provide recommendations on climate change related issues and to inform the Climate Action Strategy work in 2020

When it comes to corporate Solid Waste Actions, did your local government undertake any of the following in 2019 (PLEASE SELECT ALL THAT APPLY):

- Introduction, expansion or improvement of recycling initiatives at corporate facilities
- Introduction, expansion or improvement of composting initiatives at corporate facilities – completed study which included assessment of existing facility and considered potential expansion of service
- Communication or education for staff related to corporate solid waste initiatives
- Studies or research related to corporate solid waste initiatives
- Plans or strategies related to corporate solid waste initiatives
- Other (PLEASE SPECIFY)
- Don't know

Please specify 'Other'

When it comes to corporate Transportation Actions, did your local government undertake any of the following in 2019 (PLEASE SELECT ALL THAT APPLY):

- Fleet replacement or upgrades – replacement of certain fleet vehicles with electric vehicles
- New or improved electric vehicle initiatives
- New or improved active transportation infrastructure for staff
- Communication or outreach for staff related to corporate transportation initiatives
- New or improved public transportation initiatives for staff
- Other (PLEASE SPECIFY)
- Don't know

Please specify 'Other'

When it comes to corporate Water and Wastewater Actions, did your local government undertake any of the following in 2019 (PLEASE SELECT ALL THAT APPLY):

- New or improved water or wastewater infrastructure – replacement of end of life AC watermain
- Studies or research related to water conservation
- Plans or strategies related to water or wastewater
- Water reduction initiative(s)
- Other (PLEASE SPECIFY)
- Don't know

Please specify 'Other'

As mentioned, a key part of the 2019 CARIP Report is to highlight and celebrate successful climate actions undertaken by local governments in British Columbia. This



question provides local governments the opportunity to demonstrate leadership and innovative approaches to reduce corporate GHG emissions.

When it comes to the corporate climate action, please highlight up to three significant actions focused on reducing GHG emissions that your local government undertook in 2019:

#### Corporate Action #1

Update of Wildfire Protection Plan and include consideration of development permits and implementations (Strategic Plan)

#### Corporate Action #2

Established Climate Change Select Committee to provide recommendations on climate change related issues and to inform the Climate Action Strategy work in 2020

#### Corporate Action #3

Acquisition of a 5.85 park through amenity bonusing provision to allow for higher density of residential lots (Baldwin Property)

### 2019 COMMUNITY-WIDE CLIMATE ACTION:

Community-wide actions refer to actions that reduce GHG emissions across the community (i.e. actions not related to “traditional services” in corporate operations).

When it comes to community-wide climate action in 2019, did your local government undertake any of the following (PLEASE SELECT ALL THAT APPLY):

- Building and Lighting Actions
- Energy Generation Actions
- Greenspace Actions
- Planning Actions
- Solid Waste Actions – assessment and upgrade to composting facility, consider potential future expansion to reduce burning of green waste in the community
- Transportation Actions
- Water and Wastewater Actions



Other Climate Actions (PLEASE SPECIFY)

Don't know

Please specify 'Other Climate Actions'

When it comes to community-wide Building and Lighting Actions, did your local government undertake any of the following in 2019 (PLEASE SELECT ALL THAT APPLY):

New or upgraded energy-efficient lighting systems

New or upgraded energy-efficient heating systems

BC Energy Step Code related projects

Incentives/rebate programs related to energy-efficient building or lighting

Outreach, education or communication related to energy-efficient building or lighting

Other (PLEASE SPECIFY)

Don't know

Please specify 'Other'

When it comes to community-wide Energy Generation Actions, did your local government undertake any of the following in 2019 (PLEASE SELECT ALL THAT APPLY):

Solar power projects

Heat recovery or heat reclamation projects

Landfill gas capture/utilization projects

Micro-hydro projects

Studies or research related to energy generation

Other (PLEASE SPECIFY)

Don't know

Please specify 'Other'

When it comes to community-wide Greenspace Actions, did your local government undertake any of the following in 2019 (PLEASE SELECT ALL THAT APPLY):

- Tree planting
- Greenspace restoration or maintenance – support various volunteer initiatives in the community (Friends of Dominion Brook Park, Friends of North Saanich Parks, Green Team)
- Greenspace acquisition
- Invasive species management – see above (these groups are involved in invasive species removal)
- Plans or strategies related to greenspace
- Other (PLEASE SPECIFY)
- Don't know

Please specify 'Other'

When it comes to community-wide Planning Actions, did your local government undertake any of the following in 2019 (PLEASE SELECT ALL THAT APPLY):

- Official Community Plan (New or Updated)
- Climate Action Plan (New or Updated)
- Regional Growth Strategy (New or Updated)
- New or updated bylaw(s) or zoning addressing climate issues
- Other (PLEASE SPECIFY)
- Don't know

Please specify 'Other'

Update to Regional Context Statement (OCP)

- Initial stages with Climate Change Select Committee to inform Climate Action Strategy Work in 2020

When it comes to community-wide Solid Waste Actions, did your local government undertake any of the following in 2019 (PLEASE SELECT ALL THAT APPLY):

- Introduction, expansion or improvement of recycling initiatives
- Introduction, expansion or improvement of composting initiatives – completed study which considered expansion of operations to increase use by community
- Community clean-up initiatives
- General waste reduction initiative (including landfill diversion strategies)
- Outreach, education or communication related to solid waste
- Other (PLEASE SPECIFY)
- Don't know

Please specify 'Other'

When it comes to community-wide Transportation Actions, did your local government undertake any of the following in 2019 (PLEASE SELECT ALL THAT APPLY):

- New or improved active transportation infrastructure – expansion of bike lane network
- New or improved public transportation initiatives
- New or improved electric vehicle initiatives
- Outreach, education or communication related to transportation
- Plans or strategies related to transportation
- Other (PLEASE SPECIFY)
- Don't know

Please specify 'Other'

When it comes to community-wide Water and Wastewater Actions, did your local government undertake any of the following in 2019 (PLEASE SELECT ALL THAT APPLY):

- Water restrictions – CRD water conservation bylaw applies
- Incentives/rebate programs related to water or wastewater
- Outreach, education or communication related to water or wastewater
- Studies or research related to water or wastewater – Initiation of Drainage Master Plan
- Plans or strategies related to water or wastewater
- Other (PLEASE SPECIFY)
- Don't know

Please specify 'Other'

As mentioned, a key part of the 2019 CARIP Report is to highlight and celebrate successful climate actions undertaken by local governments in British Columbia. This question provides local governments the opportunity to demonstrate leadership and innovative approaches to reduce community-wide GHG emissions.

When it comes to the community-wide climate action, please highlight up to three significant actions focused on reducing GHG emissions that your local government undertook in 2019:

Community-Wide Action #1

Update to the Regional Context Statement within the District's Official Community Plan to include food systems and climate action sections to align with the CRD Regional Growth Strategy

Community-Wide Action #2

Established Climate Change Select Committee to provide recommendations on climate change related issues and to inform the Climate Action Strategy work in 2020

Community-Wide Action #3

Extension of bike lane system on West Saanich Road which supports the District’s Transportation and Cycling Plan as described in the OCP, by providing safe facilities to promote active transportation.

2019 CLIMATE PREPAREDNESS AND ADAPTATION ACTION:

This section of the 2019 CARIP Report 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 climate impacts that are most relevant to your local government (PLEASE SELECT ALL THAT APPLY):

- Increased temperatures increasing wildfire activity
- Extreme weather events contributing to urban and overland flooding
- Changes to temperature and precipitation causing seasonal drought
- Warmer winter temperatures reducing snowpack
- Sea level rise and storms causing coastal flooding and/or erosion
- Other (PLEASE SPECIFY)
- Don’t know

Please specify 'Other'

In 2019, did your local government take any of the following actions in an effort to consider or address the impacts of climate change? (PLEASE SELECT ALL THAT APPLY)

- Emergency response planning
- Asset management
- Infrastructure upgrades
- Public education and awareness
- Strategic and financial planning
- Risk and vulnerability assessments
- Risk reduction strategies
- Official Community Plan policy changes

Other (PLEASE SPECIFY)

Don't know

Please specify 'Other'

Participating municipality in the CRD's Flood Inundation Mapping project

In 2019, did your local government partner with any of the following organizations to prepare for, and adapt to, a changing climate? (PLEASE SELECT ALL THAT APPLY)

Adaptation to Climate Change Team (SFU)

Columbia Basin Trust

Community Emergency Preparedness Fund (UBCM)

Federation of Canadian Municipalities

Fraser Basin Council

Pacific Institute for Climate Solutions (UVIC)

Other (PLEASE SPECIFY)

Don't know

Please specify 'Other'

From the National Disaster Mitigation Program which is co-funded by the Government of Canada and Province of BC.

As mentioned, a key part of the 2019 CARIP Report is to highlight and celebrate successful climate actions undertaken by local governments in British Columbia. This question provides local governments the opportunity to demonstrate leadership and innovative approaches to adapting to a changing climate.

When it comes to climate preparedness and adaptation actions, please highlight up to three significant actions/initiatives that your local government undertook in 2019:

Adaptation Action #1

Participating municipality in the CRD's Flood Inundation Mapping project

Adaptation Action #2

Adaptation Action #3

### Section 3: 2019 Carbon Neutral Reporting

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

#### 2019 CARBON EMISSIONS

Did your local government measure corporate GHG emissions for 2019?

- Yes
- No
- Don't Know

If your local government measured 2019 corporate GHG emissions, please report the number of corporate GHG emissions (in tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e)) from:

Service Delivery Type	2019 Corporate GHG Emissions
Services Delivered Directly by your Local Government	219.6
Contracted Services	Not calculated

TOTAL A - CORPORATE GHG EMISSIONS (DIRECT + CONTRACTED) FOR 2019:

## 2019 CARBON REDUCTIONS

To be carbon neutral, a local government must balance their TOTAL corporate GHG emissions generated in 2019 by one or a combination of the following actions:

- Undertake Green Communities Committee-supported Option 1 Project(s)
- Undertake Green Communities Committee-supported Option 2 Project(s)
- Purchase carbon offsets from a credible offset provider

If applicable, please report the 2019 GHG emissions reductions (in tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e)) being claimed from any of the following Option 1 GHG Reduction Projects:

Option 1 GHG Reduction Projects	2019 GHG Emissions Reductions
<b>1A Energy Efficiency Retrofits</b>	
<b>1B Solar Thermal</b>	
<b>1C Household Organic Waste</b>	179.2
<b>1D Low Emission Vehicles</b>	
<b>1E Avoided Forest Conversion</b>	
<b>1F Trenchless Technology</b>	

TOTAL B - REDUCTIONS FROM ALL OPTION 1 PROJECTS FOR 2019:

179.2
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If applicable, please report the names and 2019 GHG emissions reductions (in tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e)) being claimed from Option 2 GHG Reduction Projects:

Names of Option 2 GHG Reduction Projects	2019 GHG Emissions Reductions
<b>1.</b>	
<b>2.</b>	
<b>3.</b>	
<b>4.</b>	
<b>5.</b>	
<b>6.</b>	



**TOTAL C - REDUCTIONS FROM ALL OPTION 2 PROJECTS FOR 2019:**

**2019 CARBON OFFSETS**

If applicable, please report the name of the offset provider, type of project and number of offsets purchased (in tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e)) from an offset provider for the 2019 reporting year:

	<b>Name of Offset Provider</b>	<b>Name of Project</b>	<b>2019 GHG Emissions Reductions</b>
<b>1.</b>			
<b>2.</b>			
<b>3.</b>			
<b>4.</b>			
<b>5.</b>			
<b>6.</b>			

**TOTAL D - OFFSETS PURCHASED FOR 2019:**

**TOTAL REDUCTIONS AND OFFSETS FOR 2019 (Total B+C+D):**

**Corporate GHG Emissions Balance for 2019**

Your local government's corporate GHG emissions balance is the difference between total corporate offsettable GHG emissions (direct + contracted emissions) and the GHG emissions reduced through Green Communities Committee Option 1 and Option 2 projects and/or the purchase of offsets.

CORPORATE GHG EMISSIONS BALANCE FOR 2019 = (Total A – (B+C+D))

40.4

#### GREEN COMMUNITIES COMMITTEE CLIMATE ACTION RECOGNITION PROGRAM:

The joint Provincial-UBCM Green Communities Committee is pleased to be continuing the Climate Action Recognition Program again this year. This multi-level program provides the Green Communities Committee 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, who measure 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 demonstrate significant action (corporately or community-wide) in reducing GHG emissions in the reporting year (e.g. through undertaking a GHG reduction project, purchasing offsets, establishing a reserve fund).

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

Based on your local government's 2018 CARIP Climate Action/Carbon Neutral Progress Survey, please check the Green Communities Committee Climate Action Recognition Program level that best applies:

- Level 1 – Demonstrating Progress on Charter Commitments
- Level 2 – Measuring GHG Emissions
- Level 3 – Accelerating Progress on Charter Commitments
- Level 4 - Achievement of Carbon Neutrality
- Don't know

Related to 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 and/or financial resources and is intended to result in significant GHG reductions:

Established Climate Change Select Committee to provide recommendations on climate change related issues and to inform the Climate Action Strategy work in 2020

Does your local government set aside funds in a climate reserve fund or similar?

- Yes
- No
- Don't know