



# 2019 Climate Action Revenue Incentive Program (CARIP) Survey: District of Saanich

## Section 1 – Local Government Information

Name of Local Government:

District of 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 survey 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?

In 2019, the District of Saanich declared a Climate Emergency and adopted new 2030 and 2050 GHG emission reduction targets aligned with the IPCC's 2018 Special Report on global net-carbon emissions needed to limit global warming to a 1.5°C increase from pre-industrial levels (see September 16, 2019 [staff report](#)). The District also became the first municipality in the Capital Region to endorse a suite of accelerated climate actions in response to the Climate Emergency declaration. Details are available in the September 30, 2019 [staff report](#).

Parallel to the Emergency Declaration and Accelerated Climate Actions, the District was developing an updated Saanich Climate Plan, finalized in 2019 and approved in January 2020.

More information about the new 2020 Climate Plan: 100% Renewable & Resilient Saanich can be found at [www.saanich.ca/climateplan](http://www.saanich.ca/climateplan).

### Land Use and Climate Action

The Climate Plan supports the creation of complete, compact and energy efficient communities, through many strategies, including:

- Including a climate alignment scorecard in reports to Council for development projects (L1.2)

- Supporting increased residential density along public transit routes (M2.2.)
- Investigating and considering updating off-street parking requirements to support a mode shift towards active transportation (M2.4)
- Developing policies and resources for parking management and enforcement (M2.8)

The Plan has integrated the work of all departments and will inform and be delivered through actions in multiple individual and cross-departmental teams. Notably, in relation to community development, three key local area plans were in development throughout 2019 and were informed by the climate plan work and also aim to deliver complete, compact and energy efficient communities. These include Cordova Bay Local Area Plan update, Cadboro Bay Local Area Plan update, and the Uptown-Douglas Corridor plan.

### Active Transportation Infrastructure

In 2019, Saanich undertook active transportation improvements, including buffered bike lanes, concrete sidewalks, upgrades of bus stops, mid-block crosswalk connections, corner ramps, traffic islands, and trees. Project descriptions are [available online](#).

### BC Energy Step Code

Following a collaborative industry engagement process with neighbouring local governments, Saanich adopted new BC Energy Step Code requirements, which came into effect on 1 January, 2020. For more details, visit [www.saanich.ca/stepcode](http://www.saanich.ca/stepcode).

### 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
- Energy Generation Actions (we continue to use solar PV and solar thermal systems)
- Greenspace Actions
- Planning Actions
- Solid Waste Actions

- Transportation Actions
- Water and Wastewater Actions
- Other Climate Actions (PLEASE SPECIFY)
- Don't know

Please specify 'Other Climate Actions'

An interdepartmental working group informed and supported the development of the updated Saanich Climate Plan.

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
- 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
- Other (PLEASE SPECIFY)
- Don't know

Please specify 'Other'

In 2019 a comprehensive retro-commissioning study was initiated for the Gordon Head Recreation Centre with the results of the study delivered in May 2020. It is anticipated that implementation of the recommendations will occur in late 2020 and result in considerable improvements in energy efficiency.

Work is underway to improve the efficiency of the boiler at Saanich Commonwealth Place. The project will be completed after 2019.

In May 2019, Saanich Council approved funding for the Fire Station #2 Redevelopment Project and directed staff to commence all required processes to launch the program. This redevelopment project reflects the District's commitment to provide public safety services to residents and build a future of sustainable services delivery that residents of the District can rely on with increased confidence. Staff has since been working with a team of architects, engineers, landscape architects, arborists and surveyors in advancing the detailed design and building plans for the project, this included a series of

public information sessions. The design ambition is for Fire Station #2 to be net zero. The District will be submitting a Development Permit and Rezoning Application to Saanich Planning in 2020.

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 (GHRC lap pool exhaust system heat recovery retrofit)
- Biomass or bio-gas projects
- Geo-exchange or geothermal projects
- Studies related to energy generation
- Other (PLEASE SPECIFY)
- Don't know

Please specify 'Other'

- 1) Design started for biomass boiler upgrade at Saanich Commonwealth Place (will be completed after 2019.)
- 2) Solar PV training for our electrician staff.

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
- New or upgraded amenities in parks
- Invasive species management
- 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)

Corporate Climate Action Plan (New or Updated)

Strategic Plan (New or Updated)

Other (PLEASE SPECIFY)

Don't know

Please specify 'Other'

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

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'

Saanich has a representative on the Capital Regional District's solid waste management planning committee.

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
- 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
- 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 Survey 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

Two key strategic plans were developed in 2019 that demonstrate significant commitment by Saanich to reducing both our corporate and community GHG emissions:

- The Climate Plan was initiated in 2018 and in 2019 Saanich Council declared a climate emergency and committed to accelerated corporate and community GHG emissions reduction targets. The second and third phases of engagement were undertaken in 2019 alongside additional GHG modelling, action identification and finalization of the Climate Plan. This is now available at [www.saanich.ca/climateplan](http://www.saanich.ca/climateplan). Section 4.6: Leadership in District Operations identifies the actions to achieve our corporate GHG emissions targets and address climate adaptation.
- In addition, Council developed and approved their Strategic Plan 2019-23 in 2019. This includes goals within five key areas to be achieved over the coming years. Climate Action and Environmental Leadership is one of key areas and includes goals related to stewarding the natural environment, supporting balanced transportation initiatives to reduce our environmental impact and achieving building stock transformation to help curb climate change and increase the integrity of natural systems.

#### Corporate Action #2

In 2019 Saanich installed a REALice Vortex DE aerator system for the Green rink at the G.R. Pearkes Arena and replaced the existing propane Zamboni with an electric Zamboni – saving approximately 40 tonnes of carbon dioxide equivalent annually.

#### Corporate Action #3

In 2019 the District of Saanich issued a purchase order for eight additional electric vehicles as part of the fleet replacement plan. Three of these vehicles were received in 2019 and the remaining five were received in early 2020. In addition, two Level 2 electric vehicle chargers were installed at the Public Works Yard in preparation for future electric vehicle replacements of aging internal combustion engine fleet vehicles.

### 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
- Transportation Actions
- Water and Wastewater Actions
- Other Climate Actions (PLEASE SPECIFY)
- Don't know

Please specify 'Other Climate Actions'

In 2019 Saanich undertook extensive public engagement on the updated Climate Plan, including in-depth conversations about the baseline and current GHG emissions inventories, climate projections for our region, local climate vulnerabilities and risks, emissions reductions required to limit global temperature rise to 1.5 degrees Celsius, comparing climate adaptation and mitigation options, and choosing appropriate strategies for the community.

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

Greenspace acquisition

Invasive species management

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'

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
- 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'

Saanich has a representative on the Capital Regional District's solid waste management planning committee. This plan, once approved, has provisions for waste reduction initiatives, community education, diversion, etc.

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
- 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'

Active and Safe Routes to School Programming with the Capital Regional District  
(<https://www.saanich.ca/EN/main/community/getting-around/walking/safe-routes-to-school.html>).

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
- 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
- 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 survey 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

The Saanich Active Transportation Plan, adopted in 2018, was awarded the [Silver award for Excellence in Policy Planning - City & Urban Areas](#) presented by the Planning Institute of BC in early 2019. The plan was also recognized as one of the Top 10 bike projects in Canada by CanadaBikes.

A rigorous monitoring and reporting program are necessary to ensure Saanich is on track to meet the goals and targets in the plan. The [2019 Report Card](#) [PDF - 1 MB] provides an update on the Active Transportation Plan implementation progress.

#### Community-Wide Action #2

To facilitate access to EV charging in the community, Council approved the addition of requirements for electric vehicle charging infrastructure in new developments and instructed staff to prepare the necessary Zoning Bylaw amendments to enact the recommended EV-ready requirements (see [staff report](#)). These bylaw updates have been well received by the local EV community:

“This makes Saanich the world leader as the first municipality in the world to adopt a comprehensive approach to EV infrastructure that includes requirements for all property classes at the zoning level.”  
James Locke, President, Victoria EV Association.

#### Community-Wide Action #3

Saanich is a partner in the Transition 2050 Residential Retrofit Acceleration Project. This aims to mobilize government and industry collaboration and accelerate energy- and carbon-reduction strategies and projects to double the emissions reductions achieved from residential (Part 9 building) retrofits in program communities by 2021 while establishing a clear path to achieving medium-term and 2050 targets. Activities in 2019 included a survey of participants in the Oil to Heat Pump incentive program; industry interviews, surveys and workshops; and focus groups, which informed the development of a set of short and long term strategies that harness both local government and industry opportunities.

### 2019 CLIMATE PREPAREDNESS AND ADAPTATION ACTION:

This section of the 2019 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 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'

All-hazard approach to emergency response planning includes climate change considerations, Fire Suppression crews train/plan in tanker shuttle for wildfire issues, cross-divisional collaboration on climate risk and adaptation planning in development of the Saanich Climate Plan, public education on climate adaptation included in Neighbours Emergency Preparedness Program (NEPP) presentations.

In 2019, did your local government partnered 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'

ICLEI – Together for Climate program partner

As mentioned, a key part of the 2019 CARIP survey 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

Saanich Parks Department soft launched the Natural Intelligence program which aims to raise awareness, provide education related to the importance of parks and nature; and link individuals' actions to impacts.

### Adaptation Action #2

Saanich completed a Climate Change Risk Assessment process and a Risk Assessment Report as part of ICLEI's Together for Climate initiative. The report has informed the development of the updated Climate Plan and been used as part of the stakeholder and community engagement.

The risk assessment process provided a systematic approach to analyzing risk and comparing the relative risk ratings of various impacts across sectors. Involving a variety of stakeholder organizations and staff ensured we gained insights from different experts and perspectives and considered both operational risks as well as those posed to the community at large.

A risk assessment represents a "snapshot in time", and as such, there is a recognition that our understanding of risk will change as climate science evolves and new impacts or risks come to light, and that our resources and capacity will similarly change over time.

### Adaptation Action #3

Saanich is taking part in the Capital Region Coastal Flood Inundation Mapping Project. The project will complete comprehensive coastal inundation modeling and mapping related to future sea level rise due to climate change and tsunamis. The overall intent of this project is to support the capital region, including municipalities and other stakeholders, in better understanding the implication of rising sea levels and tsunamis. The project will provide information and data to inform decision making around land use, sea level rise flood hazard policy, capital investment planning and emergency preparedness.

## 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.

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, specifically the



Workbook (WILL BE UPDATED) and Becoming Carbon Neutral: A Guide for Local Governments in British Columbia (WILL BE UPDATED).

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

## 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	4700
Contracted Services	299

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

4999

## 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

For more information about options to balance or offset corporate GHG emissions please refer to Becoming Carbon Neutral: A Guidebook for Local Governments in British Columbia.

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>	n/a
<b>1B Solar Thermal</b>	n/a
<b>1C Household Organic Waste</b>	n/a
<b>1D Low Emission Vehicles</b>	n/a
<b>1E Avoided Forest Conversion</b>	n/a
<b>1F Trenchless Technology</b>	n/a

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

n/a

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>		n/a
<b>2.</b>		n/a
<b>3.</b>		n/a
<b>4.</b>		n/a
<b>5.</b>		n/a
<b>6.</b>		n/a

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

n/a

## 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:

	Name of Offset Provider	Name of Project	2019 GHG Emissions Reductions
1.			n/a
2.			n/a
3.			n/a
4.			n/a
5.			n/a
6.			n/a

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

n/a
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**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))**

4999
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If your corporate GHG emissions balance is negative or zero, your local government is carbon neutral. CONGRATULATIONS!

If your local government was carbon neutral in 2019, please record any emissions reductions you will be carrying over for future years and the source of the reductions, including the year they were earned (e.g. organics diversion, 2019 100 tCO<sub>2</sub>e):

Source of Carryover Emission Reduction	Year Earned	GHG Emissions Reductions
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1.			n/a
2.			n/a
3.			n/a
4.			n/a
5.			n/a
6.			n/a

**TOTAL E - BALANCE OF REDUCTIONS ELIGIBLE FOR CARRY OVER TO NEXT YEAR**

	n/a
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**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:

Our Greener Garbage organics program, yard waste, and leaf collection programs resulted in a reduction of 7,537 tCO<sub>2</sub>e in 2019. Additionally, our municipal portion of ICI organic waste diversion achieved another 1,818 tCO<sub>2</sub>e savings in 2019. While these projects could officially be declared as Option 1C projects, offsetting the 4,999 tCO<sub>2</sub>e of corporate emissions from 2019 and enabling the District of Saanich to achieve Level 4 – Achievement of Carbon Neutrality, Saanich has chosen not to declare these reductions. Such projects result in a reduction of our community GHG emissions measured through the provincial Community Energy Emissions Inventory (CEEI) and our GPC Basic+ community GHG inventory.

Offsets are not currently part of our climate action strategy at the corporate or community level. There are multiple corporate and community projects listed within this CARIP report that address GHG reductions. Continued investments in such projects aim to significantly reduce the District of Saanich GHG emissions inventory and move us towards becoming Carbon Neutral as a corporation and community.

The 2020 Climate Plan: 100% Renewable & Resilient Saanich commits to leading by example by reaching the following targets:

- Reduce GHG emissions from municipal operations to 50% of 2007 levels by 2025
- Achieve net-zero GHG emissions from municipal operations by 2040

These goals will be achieved through the following strategies which can be found in the Saanich Climate Plan at [www.saanich.ca/climateplan](http://www.saanich.ca/climateplan):

- Integrate climate action into Saanich processes and decision-making
- Become a climate-friendly employer

- Transition to an efficient, renewably-powered fleet
- Transition to efficient and renewably-powered municipal buildings
- Reduce waste and GHG emissions from goods and services

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

- Yes
- No
- Don't know

**Combined CARIP Carbon Tax Calculation - Attestation Form**

<b>Local Government Name:</b>	The Corporation of the District of Saanich
<b>Contact Information Name:</b>	Alison McGuire
<b>Position:</b>	Accountant
<b>Telephone number:</b>	(250) 475-5494 ext 3519
<b>Email address:</b>	alison.mcguire@saanich.ca

**Calculation of carbon tax paid directly by the local government for fuel purchased between January 1 and December 31, 2019**

Fuel Type	Unit measure	January 1 to March 31/2019			April 1 - December 31/2019			Total Carbon Tax Paid in 2019
		Units	Tax Rate per unit, Jan 1, 2019 to March 31, 2019	Carbon Tax Paid	Units	Tax Rate per unit, April 1, 2019 to Decemebr 31, 2019	Carbon Tax Paid	
<b>Most common fuels in a local government context:</b>								
Gasoline	Litre	88474	0.0778	6883.27	308488	0.0889	27424.57	34307.84
Diesel	Litre	142590	0.0895	12761.80	502432	0.1023	51398.76	64160.57
Bio-Diesel*	Litre	7505	0.0895	671.67	26444	0.1023	2705.20	3376.87
Natural Gas	Gigajoule*	14035	1.7381	24395.02	23600	1.9864	46878.15	71273.16
Natural Gas	m3*		0.0665	0		0.076	0	0.00
Propane	Litre	12006	0.0539	647.13	14000	0.0616	862.43	1509.56
<b>Other fuels which are taxed:</b>								
Heating Oil	Litre	1269	0.0895	113.54		0.1023	0	113.54
Locomotive Fuel	Litre		0.0895	0		0.1023	0	0
Heavy Fuel Oil	Litre		0.1103	0		0.126	0	0
Aviation Fuel	Litre		0.0861	0		0.0984	0	0
Jet Fuel	Litre		0.0914	0		0.1044	0	0
Kerosene	Litre		0.0914	0		0.1044	0	0
Naphtha	Litre		0.0893	0		0.102	0	0
Methanol	Litre		0.0382	0		0.0436	0	0
Butane	Litre		0.0616	0		0.0704	0	0
Ethane	Litre		0.0343	0		0.0392	0	0
Refinery Gas	m3		0.0616	0		0.0704	0	0
Coke Oven Gas	m3		0.0564	0		0.0644	0	0
Coal -- Low Heat Value*	Tonne		62.2	0		71.08	0	0
Coal -- High Heat Value*	Tonne		72.7	0		83.08	0	0
Coke	Tonne		87.05	0		99.48	0	0
Petroleum Coke	Litre		0.1285	0		0.1468	0	0
Tires -- shredded*	Tonne		83.69	0		95.64	0	0
Tires -- whole*	Tonne		72.8	0		83.2	0	0
Peat	Tonne		35.77	0		40.88	0	0
<b>Current Year Total Carbon Tax Paid:</b>				\$ 45,472	<b>Previous Year Total Carbon Tax Paid (Value Entered by Local Government):</b>			\$ 154,072
<b>Variance Calculation:</b>								\$ 20,670

Please use this box to provide an explanation for any increases/decreases in year over year carbon taxes paid that are 25% or greater.

- Only list fuels that were purchased for the local government's own use, on which carbon tax was paid, and where that carbon tax was not refunded or recovered from another party (e.g., through a lease arrangement). Also do not include any fuels that were exempted from carbon tax (for more information on exemptions see the *Carbon Tax Act* and its Regulations)
- Bio-diesel blends must be prorated in order to claim the diesel and bio-diesel portions on the appropriate line. The proportion of the blend (B5, B10, B15 etc) that is conventional hydrocarbon-based diesel is included on the diesel line, consequently, the bio-diesel pro-rated amount must be entered on the bio-diesel line. For example, a 10,000 litre purchase of B10, which is 10% bio-diesel and 90% hydrocarbon-based diesel, would be recorded as 9,000 litres hydrocarbon-based diesel (90% of 10,000 purchased litres) and bio-diesel would be recorded as 1000 litres (10% of purchased bio-diesel)
- Marketable Natural Gas may be recorded at either Gigajoules or m3
- Low Heat Value Coal includes Sub-Bituminous Coal; High Heat Value Coal includes Bituminous Coal
- Only include tires if they are combusted

I declare that the information contained in this Carbon Tax Calculation Form is true and correct and based on actual accounting records and not estimates.

I declare that the information contained in the 2019 Climate Action Revenue Incentive Program (CARIP) Survey submitted online to the Province on May 21, 2020 was made public on May 22, 2020.

Signature of Financial Officer:  Valla Tinney, Director of Finance