

Survey Template

For the 2018 CARIP Climate Action/Carbon Neutral Progress Survey

Local governments are required to submit the 2018 CARIP Climate Action/Carbon Neutral Progress Survey on or before June 1, 2019.

Use Template to Collect Information

This Survey Template has been provided to help local governments complete the survey and report its contents. The template can be used to:

- gather and record survey responses before inputting data into the survey; and/or
- create the public report.

Alternatively, a local government may choose to use a template or format of their own design.

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

Public Reports:

Public reports must contain the same information as submitted in the 2018 Climate Action/Carbon Neutral Progress Survey. Because respondents are unable to generate a report of survey responses, Ministry staff will send each respondent a PDF version of their CARIP report once it has been completed online.

For purposes of the CARIP Survey, the following definitions apply:

COMMUNITY-WIDE ACTIONS

Actions undertaken to reduce GHG emissions in the community at-large (e.g. not related to corporate operations).

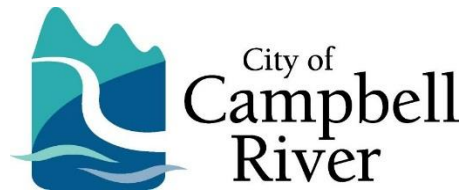
CORPORATE ACTIONS

Actions undertaken to reduce 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.

The Government of BC will not collect, use, or disclose personal information using SurveyMonkey®. Please be aware however that IP addresses are collected by SurveyMonkey® itself, and these IP addresses and other information collected will be stored on SurveyMonkey®'s servers located outside of Canada. Please do not provide any third-party information (e.g. refer to others) in your responses to the survey.

Climate Action Revenue Incentive (CARIP) Public Report for 2018

Local Government:
City of Campbell River



Report Submitted by:
Name: Laura Walker
Role: Planning Technician
Email: laura.walker@campbellriver.ca
Phone: 250-286-5727

Date: May 6, 2019

The City of Campbell River has completed the 2018 Climate Action Revenue Incentive Program (CARIP) Public Report as required by the Province of BC. The CARIP report summarizes actions taken in 2018 and proposed for 2019 to reduce corporate and community-wide energy consumption and greenhouse gas emissions (GHG) and reports on progress towards achieving carbon neutrality.

2018 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 centred) plays an especially important role in energy and GHG reduction.

Q 6 + Q 7 Community-Wide Broad Planning Actions Taken in 2018 + Additional Actions	
	Secured funding and coordinated installation of DC Fast Charger at Campbell River Community Centre
	Local business energy efficiency campaign to improve energy efficiency
	Launched the development of the City's Climate Adaptation Plan in partnership with ICLEI Canada
	Launched the City's Sea Level Rise planning initiative
	Participated in the Province of BC's CLIC Tool pilot program to test development future scenarios and locations for financial, social and environmental impact metrics.
Q 8 Community-Wide Broad Planning Actions Proposed for 2019	
	Coordinate the City's Climate Adaptation plan development
	Work towards a policy to guide services on the City's Environmentally Sensitive Lands and that recognizes them as municipal natural assets (green infrastructure)
	Develop a Tree Bylaw
	Implement an Urban Forest Management Plan and add onto Environmental Advisory Committee work plan
	Housing Growth policy review including impacts of sprawl vs. density with a focus on walkability
	Develop Flood Plain Bylaw
	Develop long-term sea level rise strategic action plan
	OCP amendments to reflect flood risk due to sea level rise
	Application to Clean BC Fund for a Level 2 charging station to be installed at Campbell River Sportsplex

Q 9 + Q 10 Corporate Broad Planning Actions Taken in 2018 + Additional Actions	
	Implement Community Energy & Emissions Plan
Q 11 Corporate Broad Planning Actions Proposed for 2019	
	Participate as a pilot community in the national Smart Energy Communities Scorecard initiative
	Continue to implement the Community Energy & Emissions Plan

Broad Planning	
Q 12 What is (are) your current GHG reduction target(s)?	<p>Total Community GHG Reductions: -25% by 2020 -35% by 2040 -40% by 2060</p> <p>Per Capita GHG Reductions: -35% by 2020 -55% by 2040 -65% by 2060</p> <p>Total Community Energy Use Reductions: -20% by 2020 -25% by 2040 -30% by 2060</p>
Q 13 Are you familiar with your local government's community energy and emissions inventory (e.g. CEEI or another inventory)?	Yes
Q 14 What plans, policies or guidelines govern the implementation of climate mitigation in your community? <ul style="list-style-type: none"> • Community Energy and Emissions Plan • Integrated Community Sustainability Plan • Community- Wide Climate Action Plan • Official Community Plan • Regional Growth Strategy • Do not have a plan • Other: Corporate Carbon Neutral Plan 	Yes Yes Underway Yes No Yes
Q 15 Does your local government have a corporate GHG reduction plan?	Yes

2018 BUILDING AND LIGHTING ACTIONS

Building and Lighting Actions

Low-carbon buildings use the minimum amount of energy needed to provide comfort and safety for their inhabitants and tap into renewable energy sources for heating, cooling and power. These buildings can save money, especially when calculated over the long term. This category also includes reductions realized from energy efficient street lights and lights in parks or other public spaces.

Q 16 + Q 17 Community-Wide Building and Lighting Actions Taken in 2018 + Additional Actions	
	Launched educational videos in partnership with BC Hydro, hosted regional builders workshops and launched incentive program to assist builders with fulfilling BC Energy Step Code requirements
	Ran the City's power Down Campbell River home energy retrofit rebate program, offering \$150 home energy evaluation incentives and \$2000 oil to heat pump rebate
	474 street lights converted to energy efficient LED bulbs/heads

Q 18 Community-Wide Building and Lighting Actions Proposed for 2019	
	Continue to host energy efficiency workshops for builders, building owners and operators, and real estate agents
	Continuation of BC Energy Step Code incentive program
	Convert an additional 300-400 street lights to energy efficient LED bulbs/heads

Q 19 + Q 20 Corporate Building and Lighting Actions Taken in 2018 + Additional Actions	
	Lighting and control upgrades for Campbell River Sportsplex courts

Q 21 Corporate Building and Lighting Actions Proposed for 2019	
	Plumbing upgrades at City Hall, Fire Hall #1 & 2
	Interior and exterior lighting upgrades at Dogwood Operations Centre for energy efficiency

Building and Lighting
The Province has committed to taking incremental steps to increase energy-efficiency requirements in the BC Building Code to make buildings net-zero energy ready by 2032. The BC Energy Step Code--a part of the BC Building Code--supports that effort

Q 22 Is your local government aware of the BC Energy Step Code?	Yes
Q 23 Is your local government implementing the BC Energy Step Code?	Yes

P5 2018 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.

Q 24 + Q 25 Community-Wide Energy Generation Actions Taken in 2018 + Additional Actions	
	Power Down Campbell River Program for homeowners looking to retrofit their homes for energy efficiency. The program offers rebates for home energy evaluations, and oil to heat pump conversions, as well as educational information and energy conservation tips for home owners.

Q 26 Community-Wide Energy Generation Actions Proposed for 2019	
	Continuation of Power Down Campbell River Program for homeowners looking to retrofit their homes for energy efficiency. The program offers rebates for home energy evaluations, and oil to heat pump conversions, as well as educational information and energy conservation tips for home owners.

Q 27 + Q 28 Corporate Energy Generation Actions Taken in 2018 + Additional Actions	

Q 29 Corporate Energy Generation Actions Proposed for 2019	

Energy Generation	
Q 30 Is your local government developing, or constructing a <ul style="list-style-type: none"> • district energy system • renewable energy system 	No No
Q 31 Is your local government operating a <ul style="list-style-type: none"> • district energy system • renewable energy system 	No No
Q 32 Is your local government connected to a district energy system that is operated by another energy provider?	No
Q 33 Are you familiar with the 2018 List of Funding Opportunities for Clean Energy Projects Led by First Nations and Local Governments?	Yes

2018 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.

Q 34 + Q 36 Community-Wide Greenspace Actions Taken in 2018 + Additional Actions (Q 35 below Q 41)	
	Updated the Environmental Protection Bylaw to regulate noxious weeds and Scotch broom
	Initiated annual contract with Greenways Land Trust to control Scotch broom on City owned property
	Ongoing contract with Greenways Land Trust to control knotweed on both public and private property
	Conducted annual Bald Eagle Nest Tree inventory and updated City records and Provincial Wildlife Tree Stewardship Atlas
	Liaison for Quinsam Coal Technical Review Committee and the DFO Community Advisor – led Stream Stewardship Committee
	Continued participation in the Vancouver Island Canada Goose Management Working Group, removing 300 geese in the Canada Goose, in partnership with Wei Wai Kum First Nation
	Initiated the Official Community Plan Environmentally Sensitive Areas map amendment process
	Urban stream benchmarking report cards
	Worked with other departments to administer environmental non-compliance files
	Sea level rise hydrological assessment for 4 key sites, Campbell River Estuary and downtown waterfront and flood construction level for entire coastline
	Creation of Street tree program
	Creation of Spruce Street Park
Q 37 Community-Wide Greenspace Actions Proposed for 2019	
	Develop long-term sea level rise strategic action plan
	Continue to regulate noxious weeds and Scotch broom through the Environmental Protection Bylaw
	Continuation of annual contract with Greenways Land Trust to control Scotch broom on City owned property
	Ongoing contract with Greenways Land Trust to control knotweed on both public and private property
	OCP amendments to reflect flood risk due to sea level rise
	Update Community Garden application process and identify more community garden locations to enhance urban agriculture
	Implement signage highlighting the benefits and value of urban trees through the “See the Tree” program. Signage to include carbon uptake and sequestered carbon of individual trees.
	As per the Urban Forest Management Plan, hire an arborist and draft a Tree Bylaw
	Continuation of Street tree program

Q 38 + Q 39 Corporate Greenspace Actions Taken in 2018 + Additional Actions	
	A total of \$31,600 received by subdivision developers in 2018 in lieu of parkland dedication for future investment into greenspace.
Q 40 Corporate Greenspace Actions Proposed for 2019	
	Continue working on asset management plan for parks standards
	Continue Strategic Parks Plan rollout

Greenspace	
Q 41 Does your local government have urban forest policies, plans or programs?	Yes
Q 35. Does your local government have policies, plans or programs to support local food production?	Yes

2018 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.

Q 42 + Q 43 Community-Wide Solid Waste Actions Taken in 2018 + Additional Actions	
	Encouraged diversion of material through the landfill through participation in curbside recycling, yard waste collection and yard waste drop-off centre
	Worked with Comox Strathcona Waste Management Centre on development of regional organics facility to be located in Campbell River (funding secured in 2017)
Q 44 Community-Wide Solid Waste Actions Proposed for 2019	
	Continue to encourage diversion of material through the landfill through participation in curbside recycling, yard waste collection and yard waste drop-off centre
	Develop new advertising/messaging to promote waste diversion and recycling programs
	Continue to work with CVRD to develop curbside organics program in conjunction with the building of a new regional organics facility in Campbell River
	Participated in Earth Day (focused on waste reduction, energy conservation, and reducing environmental impacts)

	Develop report to Council for consideration on banning single-use plastic bags

Q 45 + Q 46 Corporate Solid Waste Actions Taken in 2018 + Additional Actions	

Q 47 Corporate Solid Waste Actions Proposed for 2019	
	Participate in Regional Solid Waste Management Advisory Committee

Solid Waste	
Q 48 Does your local government have construction and demolition waste reduction policies, plans or programs?	Yes (with regional partnership)
Q 49 Does your local government have organics reduction/diversion policies, plans or programs?	Yes (with regional partnership)

2018 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 and public transit, can contribute to reductions in GHG emissions and more livable communities.

Q 50 + Q 51 Community-Wide Transportation Actions Taken in 2018 + Additional Actions	
	Increased Electric Vehicle infrastructure, including partnering with BC Hydro to install a Level 3 DC fast charging station at the Campbell River Community Centre
	Enhanced on-street bicycle parking
	Installed 3 additional solar powered flashing amber light crosswalks in CR to encourage walking (Alder / 5 th ; Greenwood / 9 th ; Greenwood / 12 th)
	Installed 5 new transit shelters
	Reduced speed limit in two residential neighbourhoods (down from 50km/hr to 40km/hr)
Q 52 Community-Wide Transportation Actions Proposed for 2019	
	Continue to increase EV infrastructure
	Extension of waterfront walkway

	Introduction of more bike lanes
	Continue to increase on-street bicycle parking
	Will install 4 new solar powered flashing amber light crosswalks in CR to encourage walking (Highway 19A at 1 st ; Highway 19A at 2 nd ; Highway 19A at 5 th ; Highway 19A at 6 th Ave)
	Work with BC Transit to start a Kids Ride the Bus program
	Modified bus route #7 to better serve seniors (April 22)
	Work with BC Transit to expand the HandyDart program (custom transit) proposed fall 2019
	Work with BC Transit to expand the conventional service (January 2020)
	Install 6 new transit shelters
	Install 4 new asphalt bus bay pull outs along Highway 19A in the SRD
	Late in 2019, write a new Master Transportation Plan (again with emphasis on sustainable modes of transportation)
	Review reduction of speed limit in two residential neighbourhoods and possibly expand to more neighbourhoods.

Q 53 + Q 54 Corporate Transportation Actions Taken in 2018 + Additional Actions	
	Participated in Bike to Work week
Q 55 Corporate Transportation - Actions Proposed for 2019	
	Continue to look at ways to promote awareness of transit services such as Bus to Work Week
	Continue to participate in Bike to Work week

Transportation	
Q 56 Does your local government have policies, plans or programs to support:	
• Walking	Yes
• Cycling	Yes
• Transit Use	Yes
• Electric Vehicle Use	Yes
• Other (please specify)	
Q 57 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 behaviour)?	No
Q 58 Does your local government integrate its transportation and land use planning?	Yes

2018 WATER AND WASTEWATER ACTIONS

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 GHG emissions.

Q 59 + Q 60 Community-Wide Water and Wastewater Actions Taken in 2018 + Additional Actions	
	Launch of Water Conservation Initiatives (toilet and appliance rebates)
	Completion and commissioning of new Water Supply Centre
	Sanitary Sewer Inflow and Infiltration Reduction Program
Q 61 Community-Wide Water and Wastewater Actions Proposed for 2019	
	Connecting the North Water System to the new Campbell River Water Supply Centre
	Watermain renewal – Fir Street and Garfield/Painter roads
	Design and construction of Petersen/Shetland pressure reducing valve
	Sanitary Sewer Inflow and Infiltration Reduction Program
	Enhanced Trenchless Technology Repair and rehabilitation Program for Sewer Mains
	More reliance on SCADA Technology for Lift Stations Inspections rather than On Site inspections to reduce driving
	Complete phase I of Biosolids Application Site rehabilitation to allow for several more years of Biosolids Land Application at the NWEF Facility

Q 62 + Q 63 Corporate Water and Wastewater Actions Taken in 2018 + Additional Actions	
	Completed biosolids management options study and biosolids application site optimization options assessment
Q 64 Corporate Water and Wastewater Actions Proposed for 2019	
	Concept design for Strathcona Regional District Area D connection improvements
	Complete a Wastewater Treatment Plant Electrical Assessment

Water Conservation	
Q 65 Does your local government have water conservation policies, plans or programs?	Yes

2018 CLIMATE CHANGE ADAPTATION ACTIONS

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

Q 66 Please identify the THREE climate impacts that are most relevant to your Local Government.	
<ul style="list-style-type: none"> • Increased temperatures increasing wildfire activity • Extreme weather events contributing to urban and overland flooding • Sea level rise and storms causing coastal flooding and/or erosion 	
Other (please specify):	
<ul style="list-style-type: none"> • More extreme rainfall causing erosion, impacting escarpments along foreshore • Rising river temperatures impacting fish mortality • Rising annual temperatures threatening native species habitat • Rising annual temperatures reducing snowpack and accelerating glacial melt, implicating downstream ecosystems • Rising ocean temperatures increasing ocean acidification • Hotter, drier summers increasing PM 2.5, ground-level ozone, allergens, and smoke 	
Q 67 In 2018 has your local government addressed the impacts of a changing climate using any of the following?	
Risk and Vulnerability Assessments	Yes
Risk Reduction Strategies	Yes
Emergency Response Planning	Yes
Asset Management	Yes
Natural/Eco Asset Management Strategies	Yes
Infrastructure Upgrades (e.g. stormwater system upgrades)	Yes
Beach Nourishment Projects	Yes
Economic Diversification Initiatives	No
Strategic and Financial Planning	Yes
Cross-Department Working Groups	Yes
Official Community Plan Policy Changes	No
Changes to Zoning and other Bylaws and Regulations	No
Incentives for Property Owners (e.g. reducing storm water run-off)	Yes
Public Education and Awareness	Yes
Research	Yes
Mapping	Yes

Partnerships – partnerships with Strathcona Regional District Emergency Preparedness Program	
Other (please specify):	

Q 68 Climate Change Adaptation Actions Taken in 2018	
Please elaborate on key actions and/or partnerships your local government has engaged in to prepare for, and adapt to a changing climate. Add links to key documents and information where appropriate.	
	Launched Together for Climate Project to develop a Climate Adaptation Plan by 2020 with multiple regional stakeholder organization. Project is funded by Real Estate Foundation of BC and facilitated by ICLEI Canada.
	Localized climate change projections and development of potential climate impacts
	Facilitation of a risk and vulnerability assessment in conjunction with community stakeholders
	Suite of additional hydrological studies at key locations along foreshore
	Ecological study – ecosystems at risk from sea level rise
	Public information and consultation process
	3D-Modeling of impacts and possible flood defense measures
	Introduction of new marine flooding development permit area
	Upgraded Big Rock Boat Ramp to a new floating dock system and an elevated breakwater groin to adapt to increased storm events while reducing damage from waves and high tide
Q 69 Climate Change Adaptation Actions Proposed for 2019	
	Begin developing climate adaptation actions to be incorporate into a comprehensive adaptation plan
	Further consultation with respect to Sea Level Rise and Climate Change Adaptation planning
	Develop Flood Plain Bylaw
	Develop long-term sea level rise strategic action plan
	OCP amendments to reflect flood risk due to sea level rise
Q 70 For more information please contact	
	Chris Osborne, Long Range Planning & Sustainability Supervisor (chris.osborne@campbellriver.ca)

Q 71. The following are key resources that may be helpful to your local government in identifying climate impacts, as well as, strategies, actions and funding to deal with them. For those resources that you have used, please indicate whether they were useful in advancing your work in climate change adaptation?	
Indicators of Climate Change for British Columbia	Useful
Plan2Adapt	Useful
Climate Projections for Metro Vancouver	Useful
Climate Projections for the Capital Region	Haven't Used
Climate Projections for the Cowichan Valley Regional District	Useful
Province of BC's BC Adapts Video Series	Haven't Used
Preparing for Climate Change: Implementation Guide for Local Governments	Useful
Public Infrastructure and Engineering Vulnerability Committee's (PIEVC)	Haven't Used
Sea Level Rise Adaptation Primer	Useful
BC Regional Adaptation Collaborative Webinars	Useful
Retooling for Climate Change	Useful
Water Balance Model	Haven't Used
Water Conservation Calculator	Haven't Used
Funding:	
National Disaster Mitigation Program (NDMP)	Haven't Used
Community Emergency Preparedness Fund (CEPF)	Useful
Municipalities for Climate Innovation Program (MCIP)	Useful
Climate Adaptation Partner Grants (FCM)	Haven't Used
Infrastructure Planning Grants (MAH)	Haven't Used
Federal Gas Tax Fund	Useful
Other (please specify)	

2018 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.

Q 72 Community-Wide Other Actions Taken in 2018	
Q 73 Corporate Other Actions Taken in 2018	
	Participation in Together for Climate Provincial Workshop focused on advancing collaborative action in B.C
	Firesmart training for municipal staff
Q 73 Corporate Other Actions Proposed for 2019	

	Participating in second Together for Climate Provincial Workshop along with the Livable Cities Forum focused on building better communities through resilience. Themes include climate change, health and equity sessions, infrastructure sessions, and low carbon resilience sessions.
	In collaboration with the Strathcona Regional District prepare a CR Firesmart Guide to Landscaping, update the CR Wildfire Protection Plan, and hire a Firesmart Professional to attend the City Fire Department’s Fire Safety Day in May. Funding for the projects have been made possible through the Community Resiliency Investment Firesmart Grant equivalent to \$25,000.
	Teach a workshop to students on climate change adaptation and sea level rise in partnership with School District 72 and the Strathcona Regional District.

Other	
Q 74 Are you familiar with the Community Lifecycle Infrastructure Costing Tool (CLIC) ?	Yes
Q 75 Is your local government using the CLIC tool?	Yes

INNOVATION AND PEER-TO-PEER LEARNING

Innovation

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

Projects included here may be featured as success stories on the [B.C. Climate Action Toolkit](#) and/or shared with other local governments to inspire further climate action. Please add links to additional information where possible.

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

Q 76 Community-Wide Innovation Action
<p>Power Down Campbell River – This program offers rebates and resources for homeowners looking to retrofit their homes for energy efficiency. The program was originally launched with an innovative reality-tv style home energy conservation and video competition between local families that involved wide-spread media attention. The program offers rebates for home energy evaluations, and oil to heat pump conversions, as well as educational information and energy conservation tips for home owners. The program includes educational videos to create awareness among home owners on home energy ratings and energy efficiency considerations.</p> <p>Sea Level Rise Plan – Campbell River will be one of the first coastal communities in BC to have a sea level rise plan. Our plan is ambitious and comprehensive and includes detailed coastal hydraulic engineering assessments of key locations throughout Campbell River (including our downtown,</p>

estuary and other areas with large amounts of infrastructure and development). The plan will include 3-D modelling and comprehensive public engagement, resulting in Flood Construction Levels for our community and a Floodplain Bylaw and development permit areas. Additional outcomes include updates to the City's Asset Management Strategy, waterfront property acquisition strategy and information for our capital works planning. The project also includes an ecosystem assessment of potential impacts of climate change. This plan began in 2017 and will be complete in 2019.

The City of Campbell River was one of eight local governments on Vancouver Island invited by ICLEI Canada (Local Governments for Sustainability) to create a Climate Adaptation Plan, which was made possible by funding through the Real Estate Foundation of BC. With ICLEI's technical guidance, the two year project will develop a plan by summer 2020 using the following approaches:

- 1) Identify and work together with local stakeholders in a community wide planning effort
- 2) Utilize climate change modelling data to identify local vulnerabilities
- 3) Assess and prioritize climate risks
- 4) Develop an implementation-ready adaptation plan

Upon project completion, the City of Campbell River can expect the following results:

- 1) a localized climate science report
- 2) locally identified climate impacts
- 3) vulnerability and risk assessment
- 4) implementation ready adaptation plan (including identification of organization responsible for each action, timing, financing considerations, feasibility and performance metrics for measuring progress on outcome of actions)
- 5) engaged network of local/regional stakeholders

Development of the Climate Adaptation Plan is being guided by the concerted efforts of the following stakeholders:

- Strathcona Regional District
- Strathcona Emergency Program
- Department of Fisheries and Oceans
- Island Health
- Greenways Land Trust
- North Island College
- BC Ferries
- Homalco First Nation
- We Wai Kai First Nation
- Wei Wai Kum First Nation
- Ministry of Transportation
- Ministry of Environmental and Rural Development
- BC Parks
- BC Hydro
- BC Wildfire
- Campbell River Chamber of Commerce

- School District 72
- Campbell River Environment Committee

Q 77 Corporate Innovation Action

Q 78 For more information on actions described above contact

For more information contact: Chris Osborne, Long Range Planning & Sustainability Supervisor
(chris.osborne@campbellriver.ca)

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 separated by a forward slash (e.g. program1/program2).

Mitigation

Q 79 Mitigation Programs, Partnerships and Funding

- Pacific Institute for Climate Solutions
- BC Hydro Sustainable Communities Program
- Fortis BC

Adaptation

Q 80 Adaptation Programs, Partnerships and Funding

- Pacific Institute for Climate Solutions (PICS) Internship Program
- FCM Municipalities for Climate Innovation Program
- Union of BC Municipalities Emergency Preparedness Funding
- ICLEI Canada for Together for Climate: Managing Risk through Community Collaboration Project
- Real Estate Foundation of BC

2018 CARBON NEUTRAL REPORTING

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

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

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

Reporting Emissions

Q 81 Did your local government measure corporate GHG emissions for 2018?	Yes
Q 82 If your local government measured 2018 corporate GHG emissions, please report the number of corporate GHG emissions from services delivered directly by your local government (in tonnes of carbon dioxide equivalent)	1362
Q 83 If your local government measured 2018 corporate GHG emissions, please report the number of corporate GHG emissions from contracted services (in tonnes of carbon dioxide equivalent)	477
Q 84 TOTAL A: CORPORATE GHG EMISSIONS FOR 2018 (Direct GHGs + Contracted GHGs)	1839 tCO₂e

Reporting Reductions and Offsets

To be carbon neutral, a local government must balance their TOTAL corporate GHG emissions generated in 2018 by one or a combination of the following actions:

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

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 2018 GHG emissions reductions (in tonnes of carbon dioxide equivalent (tCO₂e)) being claimed from any of the following Option 1 GHG Reduction Projects:

OPTION 1 PROJECTS	REDUCTIONS
Q 85 Energy Efficient Retrofits (in tonnes of carbon dioxide equivalent (tCO₂e))	
Q 86 Solar Thermal (in tonnes of carbon dioxide equivalent (tCO₂e))	

Q 87 Household Organic Waste Composting (in tonnes of carbon dioxide equivalent (tCO2e))	
Q 88 Low Emission Vehicles (in tonnes of carbon dioxide equivalent (tCO2e))	
Q 89 Avoided Forest Conversion (in tonnes of carbon dioxide equivalent (tCO2e))	
Q 90 TOTAL B: REDUCTIONS FROM ALL OPTION 1 PROJECTS FOR 2018	tCO2e

Q 91 If applicable, please report the names and 2018 GHG emissions reductions (in tonnes of carbon dioxide equivalent (tCO2e)) being claimed from Option 2 GHG Reduction Projects:

Option 2 Project Name	REDUCTIONS
Option 2 GHGs Reduced (tCO2e)	
Option 2 Project Name	
Option 2 GHGs Reduced (tCO2e)	
Option 2 Project Name	
Option 2 GHGs Reduced (tCO2e)	
Q 92 TOTAL C: REDUCTIONS FROM ALL OPTION 2 PROJECTS FOR 2018	tCO2e

Offsets

Q 93 If applicable, please report the name of the offset provider, type of project and number of offsets purchased (in tonnes of carbon dioxide equivalent (tCO2e)) from an offset provider for the 2018 reporting year:

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

Offset Provider Name	OFFSETS
Offsets (tCO2e)	
Offset Provider Name	
Offsets (tCO2e)	

Q 94 TOTAL D: OFFSETS PURCHASED FOR 2018	tCO2e
---	--------------

Q 95 TOTAL REDUCTIONS AND OFFSETS FOR 2018 (Total B+C+D) = tCO2e

Corporate GHG Emissions Balance for 2018

Your local government's Corporate GHG Emissions Balance is the difference between total corporate offsetable GHG emissions (direct + contracted emissions) and the GHG emissions reduced through GCC Option 1 and Option 2 projects and/or the purchase of offsets.

Q 96 CORPORATE GHG EMISSIONS BALANCE FOR 2018 = (A – (B+C+D)) = 1839 tCO2e

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

Q 97 If your local government was carbon neutral in 2018, 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, 2018 100 tCO2e)

SOURCE OF CARRY OVER EMISSION REDUCTIONS (and year earned)	REDUCTIONS
Q 98 BALANCE OF REDUCTIONS ELIGIBLE FOR CARRY OVER TO NEXT YEAR	tCO2e

Carbon Neutral Reporting	
Q 99 Does your local government set aside funds in a climate reserve fund or similar?	Yes

GCC CLIMATE ACTION RECOGNITION PROGRAM

Green Communities Committee Climate Action Recognition Program

The joint Provincial-UBCM Green Communities Committee (GCC) is pleased to be continuing the Climate Action Recognition Program again this year. This multi-level program provides the GCC with an opportunity to review and publicly recognize the progress and achievements of each Climate Action Charter (Charter) signatory.

Recognition is provided on an annual basis to local governments who demonstrate progress on their Charter commitments, according to the following:

Level 1 – Demonstrating Progress on Charter Commitments: For local governments who demonstrate progress on fulfilling one or more of their Charter commitments.

Level 2 – Measuring GHG Emissions: For local governments that achieve Level 1, and who have measured their Corporate GHG Emissions for the reporting year and demonstrate that they are familiar with their community’s energy and emissions inventory (i.e. CEEI)

Level 3 – Accelerating Progress on Charter Commitments: For those local governments who have achieved Level 1 and 2 and have demonstrated undertaking significant action (corporately or community wide) to reduce GHG emissions in the reporting year (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 carbon neutrality in the reporting year.

Q 100 Based on your local government's 2018 CARIP Climate Action/Carbon Neutral Progress Survey, please check the GCC Climate Action Recognition Program level that best applies:

<input type="checkbox"/>	Level 1 – Demonstrating Progress on Charter Commitments	
<input type="checkbox"/>	Level 2 – Measuring GHG Emissions	
<input checked="" type="checkbox"/>	Level 3 – Accelerating Progress on Charter Commitments	x
<input type="checkbox"/>	Level 4 - Achievement of Carbon Neutrality	
<input type="checkbox"/>	Not Sure	

Q 101 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:

PROJECT NAME:
<ul style="list-style-type: none"> • Power Down Campbell River • Energy Step Code Program • Regional Organics Facility Project Development • Sea Level Rise Plan Initiation • Climate Adaptation Plan Initiation