

## **Survey**

*For the 2020 Climate Action/Carbon Neutral Progress Survey*

**For purposes of this 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.

## Climate Action Public Report for 2020

**Local Government:**

City of Salmon Arm

**Report Submitted by:**

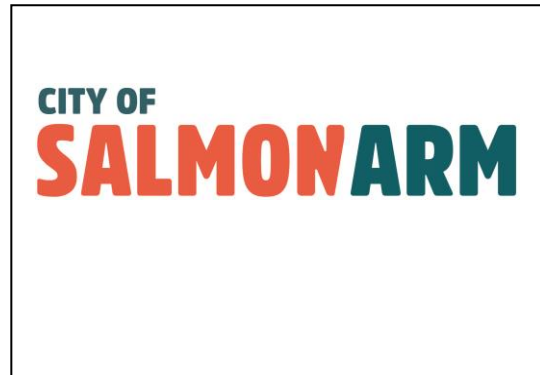
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**Phone:** 250-803-4000

**Date:** May 5, 2021



The **City of Salmon Arm** has completed this 2020 Climate Action Report aligned with requirements of the Province of BC. This report summarizes actions taken in 2020 and proposed for 2021 to reduce corporate and community-wide energy consumption and greenhouse gas emissions (GHG) and reports on progress towards achieving carbon neutrality.

## 2020 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.

<b>Q 6 + Q 7 Community-Wide Broad Planning Actions Taken in 2020 + Additional Actions</b>	
	As per OCP policy, use Urban Containment Boundary to support long-term growth.
	As per OCP policy, strive to protect ALR lands, forested hillsides, and watercourses.
	As supported by OCP and Greenways Strategy enhance and continued development of greenways, active transportation network.
<b>Q 8 Community-Wide Broad Planning Actions Proposed for 2021</b>	
	As per OCP policy, use Urban Containment Boundary to support long-term growth.
	As per OCP policy, strive to protect ALR lands, forested hillsides, and watercourses.
	As supported by OCP and Greenways Strategy enhance and continued development of greenways, active transportation network.

<b>Q 9 + Q 10 Corporate Broad Planning Actions Taken in 2020 + Additional Actions</b>	
	Set aside funds in climate action reserve.
<b>Q 11 Corporate Broad Planning Actions Proposed for 2021</b>	
	Continue to set aside funds in climate action reserve for projects that will improve efficiency.

<b>Broad Planning</b>	
<b>Q 12 What is (are) your current GHG reduction target(s)?</b>	<b>OCP Section 4.6: 6% reduction by 2020</b>
<b>Q 13 Are you familiar with your local government's community energy and emissions inventory (e.g. <a href="#">CEEI</a> or another inventory)?</b>	<b>Yes</b>
<b>Q 14 What plans, policies or guidelines govern the implementation of climate mitigation in your community?</b>	
<ul style="list-style-type: none"> <li>• Community Energy and Emissions Plan</li> <li>• Integrated Community Sustainability Plan</li> <li>• Community- Wide Climate Action Plan</li> <li>• Official Community Plan</li> <li>• Regional Growth Strategy</li> <li>• Do not have a plan</li> <li>• Other:</li> </ul>	<b>Yes</b> <b>No</b> <b>No</b> <b>Yes</b> <b>No</b> <b>No</b> <b>No</b>
<b>Q 15 Does your local government have a corporate GHG reduction plan?</b>	<b>Yes</b>

## 2020 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.

<b>Q 16 + Q 17 Community-Wide Building and Lighting Actions Taken in 2020 + Additional Actions</b>	
<b>Q 18 Community-Wide Building and Lighting Actions Proposed for 2021</b>	

<b>Q 19 + Q 20 Corporate Building and Lighting Actions Taken in 2020 + Additional Actions</b>	
	Efficient replacement for Shaw Centre arena chillers
	SASCU Rec Centre Auditorium LED project
	Downtown LED Street Light Conversions
	City Hall Lobby LED project
<b>Q 21 Corporate Building and Lighting Actions Proposed for 2021</b>	
	Residential LED street lighting projects
	Cobra Head LED street lighting projects
	City Hall Offices LED lighting project
	Memorial Arena LED lighting project
	Planning for Aquatic Centre replacement

<b>Building and Lighting</b>	
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	
<b>Q 22 Is your local government aware of the <a href="#">BC Energy Step Code</a>?</b>	Yes
<b>Q 23 Is your local government implementing the <a href="#">BC Energy Step Code</a>?</b>	Yes

**P5 2020 ENERGY GENERATION ACTIONS**

**Energy Generation Actions**

A transition to renewable or low-emission energy sources for heating, cooling and power supports large, long-term GHG emissions reductions. Renewable energy including waste heat recovery (e.g. from biogas and biomass), geo-exchange, micro hydroelectric, solar thermal and solar photovoltaic, heat pumps, tidal, wave, and wind energy can be implemented at different scales, e.g. in individual homes, or integrated across neighbourhoods through district energy or co-generation systems.

<b>Q 24 + Q 25 Community-Wide Energy Generation Actions Taken in 2020 + Additional Actions</b>	
<b>Q 26 Community-Wide Energy Generation Actions Proposed for 2021</b>	

<b>Q 27 + Q 28 Corporate Energy Generation Actions Taken in 2020 + Additional Actions</b>	
	Art Gallery Solar Project
<b>Q 29 Corporate Energy Generation Actions Proposed for 2021</b>	
	Solar project feasibility study

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

**2020 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.

<b>Q 34 + Q 36 Community-Wide Greenspace Actions Taken in 2020 + Additional Actions (Q 35 below Q 41)</b>	

<b>Q 37 Community-Wide Greenspace Actions Proposed for 2021</b>	

<b>Q 38 + Q 39 Corporate Greenspace Actions Taken in 2020 + Additional Actions</b>	
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	Tree planting – 50 trees with Naturalist Society
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	Greenway network enhancement (2,800 m new trails created)
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<b>Q 40 Corporate Greenspace Actions Proposed for 2021</b>	
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	Ongoing park enhancements (Klahani, Blackburn, and Canoe Beach Parks)
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	Ongoing greenways network enhancements (including Turner Creek Trail)
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<b>Greenspace</b>	
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<b>Q 41 Does your local government have urban forest policies, plans or programs?</b>	<b>Yes</b>
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<b>Q 35. Does your local government have policies, plans or programs to support local food production?</b>	<b>Yes</b>
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## 2020 SOLID WASTE ACTIONS

### Solid Waste Actions

Reducing, reusing, recycling, recovering and managing the disposal of the residual solid waste minimizes environmental impacts and supports sustainable environmental management, greenhouse gas reductions, and improved air and water quality.

<b>Q 42 + Q 43 Community-Wide Solid Waste Actions Taken in 2020 + Additional Actions</b>	
	Continued residential recycling pick-up.
	Residential yard waste pick-up (bi-annual).
	Continued curbside food waste pick-up program
<b>Q 44 Community-Wide Solid Waste Actions Proposed for 2021</b>	
	Continued residential recycling pick-up.
	Residential yard waste pick-up (bi-annual).
	Continued curbside food waste pick-up program

<b>Q 45 + Q 46 Corporate Solid Waste Actions Taken in 2020 + Additional Actions</b>	
	Continued Food waste program
<b>Q 47 Corporate Solid Waste Actions Proposed for 2021</b>	

<b>Solid Waste</b>	
<b>Q 48 Does your local government have construction and demolition waste reduction policies, plans or programs?</b>	<b>No</b>
<b>Q 49 Does your local government have organics reduction/diversion policies, plans or programs?</b>	<b>Yes</b>

## 2020 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.

<b>Q 50 + Q 51 Community-Wide Transportation Actions Taken in 2020 + Additional Actions</b>	
	Greenway network enhancement (2,800 m new trails created)
	New sidewalk install (50 m by City and 367 through development)
	Active transportation Task Force formed
<b>Q 52 Community-Wide Transportation Actions Proposed for 2021</b>	
	Ongoing greenways network enhancements
	Various sidewalk projects (175 m proposed)
	10 Ave SW multi use path project
	Ross Street Underpass project
	Trans Canada Highway improvements including parallel pathway

<b>Q 53 + Q 54 Corporate Transportation Actions Taken in 2020 + Additional Actions</b>	
	Hybrid fleet vehicles (1 purchased)
<b>Q 55 Corporate Transportation - Actions Proposed for 2021</b>	
	Fleet vehicle upgrades

<b>Transportation</b>	
<b>Q 56 Does your local government have policies, plans or programs to support:</b> <ul style="list-style-type: none"> <li>• Walking</li> <li>• Cycling</li> <li>• Transit Use</li> <li>• Electric Vehicle Use</li> <li>• Other (please specify)</li> </ul>	Yes Yes Yes Yes No
<b>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)?</b>	No
<b>Q 58 Does your local government integrate its transportation and land use planning?</b>	Yes



## 2020 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.

<b>Q 59 + Q 60 Community-Wide Water and Wastewater Actions Taken in 2020 + Additional Actions</b>	
	Annual sprinkler restrictions.
	Require installation of water meters on new development.
<b>Q 61 Community-Wide Water and Wastewater Actions Proposed for 2021</b>	
	Continued annual sprinkler restrictions.
	Continue to require installation of water meters on new development.
<b>Q 62 + Q 63 Corporate Water and Wastewater Actions Taken in 2020 + Additional Actions</b>	
<b>Q 64 Corporate Water and Wastewater Actions Proposed for 2021</b>	
	Continue exploring Water and Wastewater System efficiency upgrades and techniques.
<b>Water Conservation</b>	
<b>Q 65 Does your local government have water conservation policies, plans or programs?</b>	<b>Yes</b>

**2020 CLIMATE CHANGE ADAPTATION ACTIONS**

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

<b>Q 66 Please identify the THREE climate impacts that are most relevant to your Local Government.</b>	
<ul style="list-style-type: none"> <li>• Increased temperatures increasing wildfire activity</li> <li>• Increased temperatures affecting air quality</li> <li>• Extreme weather events contributing to urban and overland flooding</li> </ul>	
Other (please specify): Decreased average temperatures increasing winter burdens	
<b>Q 67 In 2020 has your local government addressed the impacts of a changing climate using any of the following?</b>	
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	No
Economic Diversification Initiatives	Yes
Strategic and Financial Planning	Yes
Cross-Department Working Groups	Yes
Official Community Plan Policy Changes	Yes
Changes to Zoning and other Bylaws and Regulations	Yes
Incentives for Property Owners (e.g. reducing storm water run-off)	Yes
Public Education and Awareness	Yes
Research	Yes
Mapping	Yes
Partnerships	Yes

<b>Q 68 Climate Change Adaptation Actions Taken in 2020</b>	
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.	



2020 Climate Action/Carbon Neutral Progress Survey

<b>Q 69 Climate Change Adaptation Actions Proposed for 2020</b>	
	Wildfire mitigation projects – South Canoe and Little Mountain Parks
<b>Q 70 For more information please contact</b>	

<b>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?</b>	
<a href="#">Indicators of Climate Change for British Columbia</a> <a href="#">Plan2Adapt</a> <a href="#">Climate Projections for Metro Vancouver</a> <a href="#">Climate Projections for the Capital Region</a> <a href="#">Climate Projections for the Cowichan Valley Regional District</a> <a href="#">Province of BC's BC Adapts Video Series</a> <a href="#">Preparing for Climate Change: Implementation Guide for Local Governments</a> <a href="#">Public Infrastructure and Engineering Vulnerability Committee's (PIEVC)</a> <a href="#">Sea Level Rise Adaptation Primer</a> <a href="#">BC Regional Adaptation Collaborative Webinars</a> <a href="#">Retooling for Climate Change</a> <a href="#">Water Balance Model</a> <a href="#">Water Conservation Calculator</a>  Funding: <a href="#">National Disaster Mitigation Program (NDMP)</a> <a href="#">Community Emergency Preparedness Fund (CEPF)</a> <a href="#">Municipalities for Climate Innovation Program (MCIP)</a> <a href="#">Climate Adaptation Partner Grants (FCM)</a> <a href="#">Infrastructure Planning Grants (MAH)</a> <a href="#">Federal Gas Tax Fund</a>	Useful Useful Not Useful Not Useful Not Useful Haven't Used Useful Haven't Used Not Useful Haven't Used Useful Haven't Used Haven't Used  Haven't Used /Useful/Not Useful Haven't Used /Useful/Not Useful Haven't Used /Useful/Not Useful Haven't Used /Useful/Not Useful Haven't Used /Useful/Not Useful Haven't Used /Useful/Not Useful
<b>Other (please specify)</b>	

## 2020 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.

<b>Q 72 Community-Wide Other Actions Taken in 2020</b>
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<b>Q 73 Corporate Other Actions Taken in 2021</b>
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<b>Other</b>	
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<b>Q 74 Are you familiar with the <a href="#">Community Lifecycle Infrastructure Costing Tool (CLIC)</a>?</b>	<b>Yes</b>
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<b>Q 75 Is your local government using the <a href="#">CLIC</a> tool?</b>	<b>No</b>
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## 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](#).

<b>Q 76 Community-Wide Innovation Action</b>
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<b>Q 77 Corporate Innovation Action</b>
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### 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

<b>Q 79 Mitigation Programs, Partnerships and Funding</b>
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As a member municipality of the CSRD, the City of Salmon Arm contributes to regional climate actions, with the most relevant being the CSRD's gas capture at the Salmon Arm landfill.
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#### Adaptation

<b>Q 80 Adaptation Programs, Partnerships and Funding</b>
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## 2020 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 reports.*

### Reporting Emissions

<b>Q 81 Did your local government measure corporate GHG emissions for 2020?</b>	<b>Yes</b>
<b>Q 82 If your local government measured 2020 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)</b>	<b>946.57</b>
<b>Q 83 If your local government measured 2020 corporate GHG emissions, please report the number of corporate GHG emissions from contracted services (in tonnes of carbon dioxide equivalent)</b>	<b>801.13</b>
<b>Q 84 TOTAL A: CORPORATE GHG EMISSIONS FOR 2020 (Direct GHGs + Contracted GHGs)</b>	<b>1747.7 tCO<sub>2</sub>e</b>

### Reporting Reductions and Offsets

To be carbon neutral, a local government must balance their TOTAL corporate GHG emissions generated in 2020 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 2020 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 PROJECTS	REDUCTIONS
Q 85 Energy Efficient Retrofits (in tonnes of carbon dioxide equivalent (tCO <sub>2</sub> e))	
Q 86 Solar Thermal (in tonnes of carbon dioxide equivalent (tCO <sub>2</sub> e))	
Q 87 Household Organic Waste Composting (in tonnes of carbon dioxide equivalent (tCO <sub>2</sub> e))	458
Q 88 Low Emission Vehicles (in tonnes of carbon dioxide equivalent (tCO <sub>2</sub> e))	
Q 89 Avoided Forest Conversion (in tonnes of carbon dioxide equivalent (tCO <sub>2</sub> e))	
<b>Q 90 TOTAL B: REDUCTIONS FROM ALL OPTION 1 PROJECTS FOR 2020</b>	<b>458 tCO<sub>2</sub>e</b>

Q 91 If applicable, please report the names and 2020 GHG emissions reductions (in tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e)) being claimed from Option 2 GHG Reduction Projects:

Option 2 Project Name	REDUCTIONS
Option 2 GHGs Reduced (tCO <sub>2</sub> e)	
<b>Q 92 TOTAL C: REDUCTIONS FROM ALL OPTION 2 PROJECTS FOR 2020</b>	<b>0 tCO<sub>2</sub>e</b>

#### 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 (tCO<sub>2</sub>e)) 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 (tCO <sub>2</sub> e)	
<b>Q 94 TOTAL D: OFFSETS PURCHASED FOR 2018</b>	<b>0 tCO<sub>2</sub>e</b>

**Q 95 TOTAL REDUCTIONS AND OFFSETS FOR 2020 (Total B+C+D) = 458 tCO<sub>2</sub>e**

### Corporate GHG Emissions Balance for 2020

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 GCC Option 1 and Option 2 projects and/or the purchase of offsets.

**Q 96 CORPORATE GHG EMISSIONS BALANCE FOR 2020 = (A – (B+C+D)) = 1289.7 tCO<sub>2</sub>e**

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

## GCC CLIMATE ACTION RECOGNITION PROGRAM

### Green Communities Committee Climate Action Recognition Program

The joint Provincial-UBCM Green Communities Committee (GCC) Climate Action Recognition 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 2020 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	<b>X</b>
<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:**

- Hybrid fleet vehicle purchase
- Efficient Arena Chiller replacement
- Art Gallery Solar project
- Ongoing LED street lighting projects
- Ongoing civic building LED lighting projects
- Ross Street Underpass project
- Active Transportation planning
- Planning for Aquatic Centre replacement
- Trans Canada Highway improvements including parallel pathway



Service Area	Emissions (tonnes CO <sub>2</sub> e)									
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020
Administration and Governance	72	42.9	60.7	55.4	53.1	74.57	78.02	70.74	57.74	
Drinking, Storm and Waste Water	462	403.4	455.8	427.9	405.4	451.26	427.23	418.35	324.6	
Solid Waste Collection, Transportation and Diversion	107	106.5	119.5	113.8	116.5	115	123.1	113.5	133	
Roads and Traffic Operations	266	344.7	361.6	367.1	369	415.59	425.94	427.53	389.5	
Arts, Recreation, Parks and Cultural Services	932	858.3	877.3	806.7	843.2	932.53	904.44	875.82	742.94	
Fire Protection	105	94.5	106	95.4	91.7	111.55	103.1	106.12	99.9	
<b>Subtotal</b>	<b>1944</b>	<b>1850.3</b>	<b>1980.9</b>	<b>1866.3</b>	<b>1878.9</b>	<b>2100.05</b>	<b>2061.8</b>	<b>2012.06</b>	<b>1747.7</b>	
<b>Organic Diversion</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-239.2</b>	<b>-458</b>	
<b>Total</b>	<b>1944</b>	<b>1850.3</b>	<b>1980.9</b>	<b>1866.3</b>	<b>1878.9</b>	<b>2100.5</b>	<b>2061.8</b>	<b>1772.86</b>	<b>1289.7</b>	

Service Area	Emissions tonnes CO <sub>2</sub> e									
	2012	2013	2014	2015	2016	2017	2018	2019	2020	
<b>Administration and Governance</b>										
City Hall	65	36.2	53	47.4	44.6	64.67	69.07	66.02	54.99	
Fleet	7	6.7	7.7	8	8.5	9.9	8.95	4.72	2.75	
<b>Total</b>	<b>72</b>	<b>42.9</b>	<b>60.7</b>	<b>55.4</b>	<b>53.1</b>	<b>74.57</b>	<b>78.02</b>	<b>70.74</b>	<b>57.74</b>	
<b>Drinking, Storm and Waste Water</b>										
Water	130	148.1	165.8	161.2	145	159.84	134.93	126.9	67.2	
Sewer (Treatment Plant)	153	125.6	156.7	146	135	157.77	167.97	167.19	140.7	
Public Works Yard (1/3)	10	10.7	10.6	9.5	9.3	12.52	10.9	10.49	9.83	
Fleet	169	119	122.7	111.2	116.1	121.13	113.43	113.77	106.81	
<b>Total</b>	<b>462</b>	<b>403.4</b>	<b>455.8</b>	<b>427.9</b>	<b>405.4</b>	<b>451.26</b>	<b>427.23</b>	<b>418.35</b>	<b>324.6</b>	
<b>Solid Waste Collection, Transportation and Diversion</b>										
Curbside Collection*	107	106.5	119.5	113.8	116.5	115	123.1	113.5	113.8	
Biosolids*									15.3	
CSA Facility Collection*									3.9	
<b>Total</b>	<b>107</b>	<b>106.5</b>	<b>119.5</b>	<b>113.8</b>	<b>116.5</b>	<b>115</b>	<b>123.1</b>	<b>113.5</b>	<b>133</b>	
<b>Roads and Traffic Operations</b>										
Lighting	18	16.4	20.2	19.8	20.3	20.77	20.97	21.48	8.8	
Public Works Yard (1/3)	10	10.7	10.6	9.5	9.3	12.52	10.9	10.49	9.83	
Fleet	238	317.6	330.8	337.8	339.4	382.3	394.07	395.56	370.87	
<b>Total</b>	<b>266</b>	<b>344.7</b>	<b>361.6</b>	<b>367.1</b>	<b>369</b>	<b>415.59</b>	<b>425.94</b>	<b>427.53</b>	<b>389.5</b>	

<b>Arts, Recreation, Parks and Cultural Services</b>										
Parks+cemetery+LMC	12	10.7	11.55	10.3	8.6	12.9	20.0	15.26	8.99	
Public Works Yard (1/3)	10	10.7	10.6	9.5	9.3	12.52	10.9	10.49	9.83	
Arena and Recreation Centre*	810	761	759.7	695.1	740.8	829.34	801.31	784.76	646	
Haney Heritage Village & Museum*	10	7	8.8	7.7	7.3	10.19	9.95	11.72	10.07	
Art Gallery*	13	15	17.9	12.3	11.6	14.04	12.67	13.3	12.06	
Fleet	77	53.9	68.75	71.8	65.6	53.54	49.61	40.29	55.99	
<b>Total</b>	<b>932</b>	<b>858.3</b>	<b>877.3</b>	<b>806.7</b>	<b>843.2</b>	<b>932.53</b>	<b>904.44</b>	<b>875.82</b>	<b>742.94</b>	
<b>Fire Protection</b>										
Fire Halls & Training Centre	72	63.5	74.2	63.7	59.8	80.37	75.18	72.69	68.8	
Fleet	33	31	31.8	31.7	31.9	31.18	27.93	33.43	31.1	
<b>Total</b>	<b>105</b>	<b>94.5</b>	<b>106</b>	<b>95.4</b>	<b>91.7</b>	<b>111.55</b>	<b>103.1</b>	<b>106.12</b>	<b>99.9</b>	
<b>Sub Total</b>	<b>1944</b>	<b>1850.3</b>	<b>1980.9</b>	<b>1866.3</b>	<b>1878.9</b>	<b>2100.5</b>	<b>2061.8</b>	<b>2012.06</b>	<b>1747.7</b>	
<b>In-House Portion</b>	<b>991</b>	<b>960.8</b>	<b>1075</b>	<b>1037.4</b>	<b>1002.7</b>	<b>1131.93</b>	<b>1114.77</b>	<b>1088.78</b>	<b>946.57</b>	
<b>Contracted Portion*</b>	<b>953</b>	<b>889.5</b>	<b>905.9</b>	<b>828.9</b>	<b>876.2</b>	<b>968.57</b>	<b>947.03</b>	<b>923.28</b>	<b>801.13</b>	
<b>Organic Diversion</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-239.2</b>	<b>-458</b>	
<b>Grand Total</b>	<b>1944</b>	<b>1850.3</b>	<b>1980.9</b>	<b>1866.3</b>	<b>1878.9</b>	<b>2100.5</b>	<b>2061.8</b>	<b>1772.86</b>	<b>1289.7</b>	

	2012	2013	2014	2015	2016	2017	2018	2019	2020
<b>Buildings</b>									
City Hall	65	36.2	53	47.4	44.6	64.67	69.07	66.02	54.99
Arena and Recreation Centre*	810	761	759.7	695.1	740.8	829.34	801.31	784.76	646
Haney Heritage Village & Museum*	10	7	8.8	7.7	7.3	10.19	9.95	11.72	10.07
Art Gallery*	13	15	17.9	12.3	11.6	14.04	12.67	13.3	12.06
Fire Halls & Training Centre	72	63.5	74.2	63.7	59.8	80.37	75.18	72.69	68.8
<b>Building Totals</b>	<b>970</b>	<b>882.7</b>	<b>913.6</b>	<b>826.2</b>	<b>864.1</b>	<b>998.61</b>	<b>968.18</b>	<b>948.49</b>	<b>791.92</b>