

Climate Action Revenue Incentive (CARIP) Public Report for 2017

Local Government: City of Langford

Report Submitted by:

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The City of Langford has completed the 2017 Climate Action Revenue Incentive Program (CARIP) Public Report as required by the Province of BC. The CARIP report summarizes actions taken in 2017 and proposed for 2018 to reduce corporate and community-wide energy consumption and greenhouse gas emissions (GHG) and reports on progress towards achieving carbon neutrality.

2017 BROAD PLANNING ACTIONS

Broad Planning Actions

Broad Planning refers to high level planning that sets the stage for GHG emissions reductions, including plans such as Official Community Plans, Integrated Community Sustainability Plans, Climate Action Plans or Community Energy Emissions Plans. Land use planning that focuses on Smart Growth principles (compact, complete, connected, centred) plays an especially important role in energy and GHG reduction.

Community-Wide Actions Taken in 2017	
	Maintained the amenity contribution and application fee reductions of 35-75% for new multi-family, mixed use, affordable housing and rental housing projects with a height of at least 4 stories in the downtown core, where there is easy access to frequent transit, services, and amenities within walking distance. This Policy has supported the approval of 295 new multi-family units in 2017.
Community-Wide Actions Proposed for 2018	
	Conduct Official Community Plan review, including a review of Smart Growth policies.
	Explore implementing a Smart Cities Strategy that would include the widespread deployment of data collection software and connected technologies in homes, buildings and municipal infrastructure to inform, curb and influence energy consumption. This model of analysis and development optimizes energy use through intelligent tracking and integrated technology, resulting in an overall reduction in energy use and city-wide GHG emissions.

Corporate Actions Taken in 2017	
	n/a
Corporate Actions Proposed for 2018	
	n/a

Broad Planning				
	Target	2020	2030	2050
What is (are) your current GHG reduction target(s)?	Total greenhouse gas emissions change	-15%	-25%	-33%
Are you familiar with your community's community energy and emissions inventory (e.g. CEEI or another inventory)?				Yes

What plans, policies or guidelines govern the implementation of climate mitigation in your community?	
• Community Energy and Emissions (CEE) Plan	Yes
• Community- Wide Climate Action Plan	No
• Integrated Community Sustainability Plan	No
• Official Community Plan (OCP)	Yes
• Regional Growth Strategy (RGS)	Yes
• Do not have a plan	No
• Other:	No
Does your local government have a corporate GHG reduction plan?	No

2017 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.

Community-Wide Actions Taken in 2017	
	Approximately 50 LED streetlights were installed as part of capital improvement projects and as a requirement of new developments.
	Approximately 9 solar powered speed alert signs were installed.
Community-Wide Actions Proposed for 2018	
	Continue to install LED streetlights as part of capital improvement projects to replace existing stock and maintain the requirement for developers to install them in new subdivisions/roads.
	Continue to install solar powered speed alert signs as possible.

Corporate Actions Taken in 2017	
	The new energy and heat efficient Rugby Canada Training Centre was completed.
Corporate Actions Proposed for 2018	
	Several new recreation facilities are in planning stages that will include energy and heat efficient design.

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	
Is your local government aware of the BC Energy Step Code?	Yes
Is your local government implementing the BC Energy Step Code?	No

2017 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.

Community-Wide Actions Taken in 2017	
	n/a
Community-Wide Actions Proposed for 2018	
	n/a

Corporate Actions Taken in 2017	
	A new waste heat recovery district energy system is currently being installed at a sewer lift station, which will have the capacity to heat all of the Eagle Ridge Rec Centre.
	Continued operating the waste heat recovery system at City Centre Park.
Corporate Actions Proposed for 2018	
	Continue operating the waste heat recovery system at City Centre Park.
	Complete installing a new waste heat recovery district energy system at the Eagle Ridge Rec Centre.
Energy Generation	
Is your local government developing, or constructing:	
• A district energy system	Yes
• A renewable energy system	No
Is your local government operating:	
• A district energy system	Yes
• A renewable energy system	No
Is your local government connected to a district energy system that is operated by another energy provider?	No
Are you aware of the Integrated Resource Recovery guidance page on the BC Climate Action Toolkit ?	Yes
Are you familiar with the 2017 " List of Funding Opportunities for Clean Energy Projects Led by First Nations and Local Governments "?	Yes

2017 GREENSPACE/NATURAL RESOURCE PROTECTION ACTIONS

Greenspace/Natural Resource Protection refers to the creation of parks and greenways, boulevards, community forests, urban agriculture, riparian areas, gardens, recreation/school sites, and other green spaces, such as remediated brownfield/contaminated sites as well as the protection of wetlands, waterways and other naturally occurring features.

Community-Wide Actions Taken in 2017	
	Approximately 13 Development Permits were issued to designate and protect riparian areas and other environmentally sensitive and/or greenspace areas.
	Approximately 306 new boulevard trees were planted.
	Partnered with community groups to remove invasive species and plant more than 250 seedlings.
	Three new dedicated parks were obtained, totalling approximately 8,060 m ² in area.
	Approximately 216 m of new trails and multi-use paths were constructed.
	The Great Trail route was designated and signage installed, creating another major regional trail link to surrounding communities.
Community-Wide Actions Proposed for 2018	
	Continue to protect riparian areas and environmentally sensitive areas as part of the development permit process.
	Continue to secure greenspace and parkland in new developments, and look for other opportunities to acquire strategic greenspace.
	Continue to require new boulevard trees to be planted in new subdivisions.
	Continue to look for opportunities to expand and connect major trails and the multi-use path network.
	Work with land owners and the School District to secure land for new schools in new and growing neighbourhoods. This will help create more local schools with shorter driving distances and greater walkability than currently available.

Corporate Actions Taken in 2017	
	Continuing to operate and improve the asset management system to effectively and efficiently track the inventory age and maintenance requirements of City parks and trails.
Corporate Actions Proposed for 2018	
	Continue to operate and improve the asset management system.

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

2017 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.

Community-Wide Actions Taken in 2017	
	n/a
Community-Wide Actions Proposed for 2018	
	n/a

Corporate Actions Taken in 2017	
	City Hall continues to operate as a zero waste facility.
Corporate Actions Proposed for 2018	
	Continue operating City Hall as a zero waste facility.

Solid Waste	
Does your local government have construction and demolition waste reduction policies, plans or programs?	No
Does your local government have organics reduction/diversion policies, plans or programs?	Yes

2017 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, ridesharing, and public transit, can contribute to reductions in greenhouse gas emissions and more livable communities.

Community -Wide Actions Taken in 2017	
	9.1 km of new dedicated bike lanes were constructed.
	5.4 km of new sidewalks were constructed.
	Improved road pavement longevity by undertaking annual crack sealing and pothole/pavement repair program.
	Completed construction of the West Shore Parkway completion project, which has connected Sooke Rd with the Trans-Canada Highway and substantially improved the efficiency of the transportation network on the south side of the Trans-Canada Highway.
	6 new transit shelters were installed.
	A new transit exchange in Westhills was completed.
	Operated a community shuttle trolley that runs on biofuel for special events, to reduce the number of vehicles driving to the events.
Community-Wide Actions Proposed for 2018	
	Continue to fill gaps in the bike lane/sidewalk network and extend bike lanes/sidewalks in new

	developments.
	Approximately 5 new transit shelters are planned for installation.
	Continue to improve road pavement longevity by undertaking annual crack sealing and pothole/pavement repair.
	Complete construction of Bear Mountain Parkway completion project, which will connect Millstream Rd with the Trans-Canada Highway and substantially improve the efficiency of the transportation network on the north side of the Trans-Canada Highway.
	Complete construction of the extension of Leigh Rd, which will connect the Trans-Canada Highway and Langford Parkway, which will provide another major transportation network efficiency linkage.
	Complete construction of improvements to the Millstream overpass, which will substantially improve traffic flow of the Millstream overpass and reduce idling times, as well as improve pedestrian and bicycle safety with additional/improved sidewalks and bicycle lanes.
	Explore opportunities to establish car share network.
	Work with community partners to establish a bike-share network.
	Work with community partners to increase the number of electric vehicle charging stations, particularly in downtown Langford.
	Continue to operate a community shuttle trolley that runs on biofuel for special events.
	Two new park and rides planned to help increase transit ridership.

Corporate Actions Taken in 2017	
	Utilize asset management software to effectively and efficiently track inventory age and maintenance requirements.
	Continued the staff alternative transportation incentive program.
	Participated in Bike to Work week.
Corporate Actions Proposed for 2018	
	Continue to utilize asset management software to effectively and efficiently track inventory age and maintenance requirements.
	Continue staff alternative transportation incentive program.
	Participate in Bike to Work week.
	Explore opportunities to utilize car share network to replace one or more corporate fleet vehicles.

Transportation	
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)	N/a
Does your local government have a transportation demand management (TDM) strategy (e.g. to reduce single-vehicle occupancy trips, increase travel options, provide incentives to encourage individuals to modify travel behavior)?	Yes
Does your local government integrate its transportation and land use planning?	Yes

2017 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 greenhouse gas emissions.

Community-Wide Actions Taken in 2017	
	n/a
Community-Wide Actions Proposed for 2018	
	n/a

Corporate Actions Taken in 2017	
	A new well was installed at the Rugby Canada Training Centre, to reduce potable water usage on the property.
	Three existing wells were repaired/upgraded to extend their life and improve efficiency to ensure the continued reduction of potable water at other City owner properties.
	Implemented a change to the Subdivision and Development Servicing Bylaw to require artificial turf to be installed in lieu of grass in certain circumstances in order to reduce water consumption and the frequency of maintenance required.
Corporate Actions Proposed for 2018	
	Continue looking for opportunities to provide alternate sources of water for irrigation where possible.

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

2017 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.

Please identify the THREE climate impacts that are most relevant to your Local Government.	
<ul style="list-style-type: none"> • Warmer winter temperatures reducing snowpack • Changes to temperature and precipitation causing seasonal drought • Heatwaves impacting population health 	X
<ul style="list-style-type: none"> • Increased temperatures increasing wildfire activity • Increased temperatures affecting air quality 	X
<ul style="list-style-type: none"> • Changing temperatures influencing species migration and ecosystem shifts • Extreme weather events contributing to urban and overland flooding • Sea level rise and storms causing coastal flooding and/or erosion 	X
Other:	

In 2017 has your local government addressed the impacts of a changing climate using any of the following?	
Risk and Vulnerability Assessments	No
Risk Reduction Strategies	No
Emergency response planning	Yes
Asset management	Yes
Natural/Eco asset management strategies	No
Infrastructure upgrades (e.g. storm water system upgrades)	Yes
Beach Nourishment projects	No
Economic diversification initiatives	Yes
Strategic and financial planning	No
Cross-department working groups	No
OCP policy changes	Yes
Changes to zoning and other bylaws and regulations	Yes
Incentives for property owner (e.g. reducing storm water run-off)	No
Public education and awareness	No
Research	No
Mapping	No
Partnerships	No
Other:	

Climate Change Adaptation Actions Taken in 2017	
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.	
	Completed major drainage improvements in South Langford, including upgrading culverts, installing new rock pits to improve roadside drainage, completing stormwater pond maintenance, and removing blockages and invasive species from the stormwater system, all of which will improve capacity and resilience of the system to changing climate conditions.
Climate Change Adaptation Actions Proposed for 2018	
	Two new stormwater ponds are planned for construction.
	An assessment of groundwater levels in the downtown core is planned, which will lead to projects that improve capacity and resilience of the system to changing climate conditions.
For more information please contact:	
	George Henshall, Deputy Director of Engineering.

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, 2016 Plan2Adapt Climate Projections for Metro Vancouver Climate Projections for the Capital Region Climate Projections for the Cowichan Valley Regional District Province of BC's BC Adapts Video Series Preparing for Climate Change: An Implementation Guide for Local Governments The Public Infrastructure and Engineering Vulnerability Committee's (PIEVC) protocol Sea Level Rise Primer BC Regional Adaptation Collaborative Webinars www.ReTooling.ca Water Balance Model The Water Conservation Calculator	Haven't Used Haven't Used Haven't Used Useful Haven't Used Haven't Used Useful Haven't Used Haven't Used Haven't Used Haven't Used Haven't Used Useful
Funding: National Disaster Mitigation Program (NDMP) Community Emergency Preparedness Fund (CEPF) Municipalities for Climate Innovation Program (MCIP) Climate Adaptation Partner Grants (FCM) Infrastructure Planning Grants (MAH) Federal Gas Tax Fund	Haven't Used Useful Haven't Used Haven't Used Haven't Used Useful
Other:	

2017 OTHER CLIMATE ACTIONS

Other Climate Actions

This section provides local governments the opportunity to report other climate actions that are not captured in the categories above.

Community-Wide Actions Taken in 2017	
	n/a
Community-Wide Actions Proposed for 2018	
	n/a

Corporate Actions Taken in 2017	
	n/a
Corporate Actions Proposed for 2018	
	n/a

Other	
Are you familiar with the Community Lifecycle Infrastructure Costing Tool (CLIC) ?	No
Have you used CLIC?	No (Other lifecycle costing tool used)

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 repeat 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 raising their profile through applications to [CEA's Climate and Energy Action Awards](#), [UBCM Climate and Energy Action](#)

[Award](#), [FCM Sustainable Communities Awards](#) or through submissions to [FCM's National Measures Report](#).

Community-Wide Action
n/a
Corporate Action
n/a

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.

Mitigation

Programs and Funding
n/a

Adaptation

Programs and Funding
Bike BC grant, for various bike lane and separated bike lane projects.

2017 CARBON NEUTRAL REPORTING

Local governments are required to report on their progress in achieving their carbon neutral goal under the 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 [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 greenhouse gas (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

Did you measure your local government's corporate GHG emissions in 2017?	Yes
If your local government measured 2017 corporate GHG emissions, please report the number of corporate GHG emissions (in tonnes of carbon dioxide equivalent) from services delivered <u>directly</u> by your local government:	413.6
If your local government measured 2017 corporate GHG emissions, please report the number of corporate GHG emissions (in tonnes of carbon dioxide equivalent) from <u>contracted</u> services:	725.67
TOTAL A: CORPORATE GHG EMISSIONS FOR 2017	1,139.27 tCO₂e

Reporting Reductions and Offsets

To be carbon neutral, a local government must balance their TOTAL corporate GHG emissions generated in 2017 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

If applicable, please report the 2017 GHG emissions reductions (in tonnes of carbon dioxide equivalent (tCO₂e)) being claimed from Option 1 GHG Reduction Projects:

OPTION 1 PROJECTS	REDUCTIONS
Energy Efficient Retrofits	
Solar Thermal	
Household Organic Waste Composting	211.3
Low Emission Vehicles	
Avoided Forest Conversion	
TOTAL B: REDUCTIONS FROM OPTION 1 PROJECTS FOR 2017	211.3 tCO₂e

If applicable, please report the names and 2017 GHG emissions reductions (in tonnes of carbon dioxide equivalent (tCO₂e)) being claimed from Option 2 GHG Reduction Projects:

OPTION 2 PROJECT NAME	REDUCTIONS
n/a	
TOTAL C: REDUCTIONS FROM OPTION 2 PROJECTS FOR 2017	tCO₂e

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 2017 reporting year:

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

OFFSET PROVIDER NAME	OFFSETS
n/a	
TOTAL D: OFFSETS PURCHASED FOR 2017	tCO₂e

TOTAL REDUCTIONS AND OFFSETS FOR 2017 (Total B+C+D) = 211.3 tCO₂e

Corporate GHG Emissions Balance for 2017

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

CORPORATE GHG EMISSIONS BALANCE FOR 2017 = (A – (B+C+D)) = 927.97 tCO₂e

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

CONGRATULATIONS!

If applicable, please record any emissions reductions you will be carrying over for future years and the source of the emissions reductions, including the year they were earned (E.g., Organics diversion, 2016 100 tCO₂e).

SOURCE OF CARRY OVER EMISSION REDUCTIONS (and year earned)	REDUCTIONS
n/a	
BALANCE OF REDUCTIONS ELIGIBLE FOR CARRY OVER TO NEXT YEAR	tCO₂e

Carbon Neutral Reporting	
Does your local government have a climate reserve fund or something similar?	No

GCC CLIMATE ACTION RECOGNITION PROGRAM

Green Communities Committee (GCC) Climate Action Recognition Program

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

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

Level 1 – 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 (i.e: 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.

For purposes of 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 or financial resources and is intended to result in significant GHG reductions:

PROJECT NAME:
n/a

Based on your local government's 2017 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 checked="" type="checkbox"/>	Level 2 – Measuring GHG Emissions	X
<input type="checkbox"/>	Level 3 – Accelerating Progress on Charter Commitments	
<input type="checkbox"/>	Level 4 - Achievement of Carbon Neutrality	
<input type="checkbox"/>	Not Sure	

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

Project Proponent Information	
Name of Local Government Project Proponent(s)	Provide the name of the local government(s) involved in the project and that will be claiming GHG reductions from the project under Option 1. <i>Capital Regional District, District of Central Saanich, City of Colwood, Town of Esquimalt, District of Highlands, City of Langford, District of Metchosin, District of North Saanich, District of Oak Bay, District of Saanich, Town of Sidney, District of Sooke, City of Victoria, Town of View Royal, and the Islands Trust.</i>
Project Designate appointed to sign off on Project Plan	Provide the name, phone and e-mail of the Project Designate duly authorized and having the legal capacity to sign off on this Template (e.g., CAO, CFO) Name: Nelson Chan Title: Chief Financial Officer Phone: 250-360-3645 Email: nchan@crd.bc.ca
Project Contact	Provide a Project Contact name if different from above Name: Nikki Elliott Title: Climate Action Program Coordinator Phone: 250.360.3048 Email: nellcott@crd.bc.ca
Project Information	
Project title	Provide project title Organic Waste Composting Project
Option 1 Project Profile	Confirm which Option 1 project and project profile you are implementing. Check only one per Project Plan Template submitted: <input type="checkbox"/> Project 1A: Low Emission Vehicles <input type="checkbox"/> Project 1B: Energy Efficient Building Retrofits and Fuel Switching <input type="checkbox"/> Project 1C: Solar Thermal <input checked="" type="checkbox"/> Project 1D: Household Organic Waste Composting <input type="checkbox"/> Project 1E: Avoided Forest Conversion Project (AFCP)
Project description and objectives	Briefly summarize the project in terms of what, where, how when and why (max 4-5 sentences or bullets). <ul style="list-style-type: none">- The CRD has implemented a kitchen scraps waste diversion program on behalf of the region.- In 2013, the CRD implemented an incentive program to encourage residents and businesses to divert their kitchen scraps from the landfill. Although the incentive program is over, CRD manages the diversion from waste hauler's serving the industrial, commercial, and institutional (ICI) and private residential sectors. The haulers have been notified of the CRD's intention to claim the credits.- Approximately 5,107 tonnes of additional kitchen scraps were diverted from the ICI and private residential sector in 2017.
Project co-benefits (Optional)	Beyond the reducing GHG emissions, describe any anticipated community and/or sustainability co-benefits that this project will provide (e.g., energy cost savings, stimulation of the local economy through green job growth, foster technological innovation, raise public awareness of climate change/energy conservation) <ul style="list-style-type: none">- Raise public awareness of climate change and waste diversion.- Reduces amount of waste entering landfill, saving space.- Allows for better end use products of kitchen scraps (i.e. compost, soil amenders, etc.)



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File: 5220-20

Greenhouse Gas Credits

Organics Waste Diversion (Project Profile 1D)

Project start date	Indicate the project start date: January 2013
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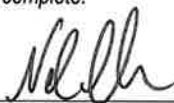
Project Transparency: Accountability and Reporting

Scope	<input checked="" type="checkbox"/> The Project Designate certifies that the project outlined in this Project Plan is outside the LG (local government) corporate emissions boundary (as defined in the Carbon Neutral Workbook), within the local government's jurisdiction and BC, as per the Project Eligibility Requirements outlined in Appendix 1 of the <i>Becoming Carbon Neutral</i> guidebook.
Counted Once	<input checked="" type="checkbox"/> The GHG reductions claimed from this project under the Carbon Neutral Framework have not been, and will not be, committed or sold as an emission reduction under any other alternate emission-offset scheme, as per the Project Eligibility Requirements outlined in Appendix 1 of the <i>Becoming Carbon Neutral</i> guidebook.
Measurement (For Project 1E: AFCPs only) Not Applicable	<input type="checkbox"/> The Project Designate certifies that in the case of a Project 1E: Avoided Forest Conversion Project (AFCP) the eligible projects lands are owned by the local government and have been reserved or dedicated as park under section 30 of the <i>Community Charter</i> after the initial signing of the Climate Action Charter in 2007, and that a Forest Management Plan, to be updated every 10 years or more frequently, must be in place within six months of making public the first completed annual Self-Certification Template.
Ownership	<input checked="" type="checkbox"/> The local government proponent(s) claiming emission reductions from the Option 1 project outlined in this Project Plan have exclusive right to the legal and commercial benefits that arise from the GHG reductions from the Option 1 project, as per the Project Eligibility Requirements outlined in Appendix 1 of the <i>Becoming Carbon Neutral</i> guidebook.
Verification	<input checked="" type="checkbox"/> The Project Designate understands that he/she will be required to sign off the annual Verification Template Report for this project to verify that the estimated GHG reductions from this project actually occurred during the year in which they will be claimed, as per the Project Eligibility Requirements outlined in Appendix 1 of the <i>Becoming Carbon Neutral</i> guidebook.
BAU	<input checked="" type="checkbox"/> The Project Designate certifies that the Project meets Beyond Business as Usual (BAU) requirements a, b and c as per the GCC Project Eligibility Requirements outlined in Appendix 1 of the <i>Becoming Carbon Neutral</i> guidebook. If the Project referred to in this Project Plan is an Option 1, Avoided Forest Conversion Project, the Project Designates certifies that in addition, the AFCP meets criteria "d" of the BAU requirements.
Reports	<input checked="" type="checkbox"/> The Project Designate, is aware of the public reporting requirements under the Climate Action Revenue Incentive Program (CARIP) and that after January 1, 2012, the CARIP reports will be revised to include information on total annual corporate emissions, the reductions being claimed from GHG projects undertaken under the Carbon Neutral Framework (Option 1 and 2), and purchased offsets (Option 3) in order demonstrate carbon neutrality for any given year, as the Project Eligibility Requirements outlined in Appendix 1 of the <i>Becoming Carbon Neutral</i> guidebook.

Project Plan: Authorization and Sign Off

Project Designate

The information provided in this Project Plan, including the accountability and reporting requirements, is to the best of my knowledge correct and complete.



Designate Signature

Apr. 30, 2018

Date

Title: Chief Financial Officer