

May 30, 2018

CITY OF PRINCE GEORGE
CARIP PUBLIC REPORT 2017



CITY OF
PRINCE GEORGE

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Climate Action Revenue Incentive (CARIP) Public Report for 2017

Local Government:



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The City of Prince George 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	
	Continued to implement the Active Transportation Plan
	Continued to implement policies on climate adaptation outlined in City's Official Community Plan
	Continue to implement and offer incentives through the Multi-Family Revitalization Tax Exemption Bylaw (MFRTE)
Community-Wide Actions Proposed for 2018	
	Continue to implement the Active Transportation Plan
	Continue to implement policies on climate adaptation outlined in City's Official Community Plan
	Continue to implement and offer incentives through the Multi-Family Revitalization Tax Exemption Bylaw (MFRTE)
	Amend the Zoning Bylaw and OCP to allow for Carriage and Cottage housing as secondary dwellings to provide more opportunities for infill housing.
	Internal discussion on opportunities provided by CLIC tool
	Changemakers Project: supported by FCM and headed by ICLEI Canada to begin updating adaptation plan
	Start to update climate change mitigation plan (energy and GHG reduction)

Corporate Actions Taken in 2017	
	City Staff continues to use myPG Goals and OCP to reduce carbon emissions and adapt to climate change.
	City Staff continue to work within Energy Efficiency and GHG Reduction, and City Fleet Idling Policy
	Creation of the OCP 5-Year Monitoring Report which provides a snapshot of progress towards objectives and policies within the Official Community Plan. The report allows staff to determine if the City is moving in the right direction for achieving the OCP goals, many of which have environmental and climate related impacts.
	Adopted the Age Friendly Plan which identifies corporate actions to align the work of various Divisions to enhance the viability of active transportation options in Prince George. Examples include prioritizing capital investment and maintenance along high volume pedestrian routes; offering transit training programs for seniors and youth; and developing a Bus Stop Strategy to prioritize improvements that will enhance the comfort and connectivity of bus stops.
Corporate Actions Proposed for 2018	
	Continue to use myPG Goals and OCP to reduce carbon emissions and adapt to climate change.
	City Staff continue to work within Energy Efficiency and GHG Reduction, and City Fleet Idling Policy

	Internal discussion on opportunities provided by CLIC tool
	Changemakers Project: supported by FCM and headed by ICLEI Canada to begin updating adaptation plan
	Start to update climate change mitigation plan (energy and GHG reduction)

Broad Planning	
What is (are) your current GHG reduction target(s)?	Reductions in OCP: Corporate 20%, community 2% from 2002 to 2012
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?	
<ul style="list-style-type: none"> • Community Energy and Emissions (CEE) Plan • Community- Wide Climate Action Plan • Integrated Community Sustainability Plan • Official Community Plan (OCP) • Regional Growth Strategy (RGS) • Do not have a plan • Other: 	Yes Yes Yes Yes No N/A N/A
Does your local government have a corporate GHG reduction plan?	Yes

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	
	Street lighting upgraded to LED when replacements needed
	3 rd party monitoring of energy consumption for LEED Gold certification for new RCMP building
Community-Wide Actions Proposed for 2018	
	Street lighting upgraded to LED when replacements needed
	3 rd party monitoring of energy consumption for LEED Gold certification for new RCMP building
	Investigating BC energy step code and other green building frameworks

Corporate Actions Taken in 2017	
	Started upgrade to DDC control system at Library and CN Center
	Upgrade compressors at Rolling Mix Concrete Arena
	Continued participation in BC Hydro's Energy Wise Network and Energy Saving Challenges

	Undertook month long “Bright Ideas” campaign to encourage staff to think about ways to decrease energy usage in their daily tasks.
Corporate Actions Proposed for 2018	
	Continue to investigate BC energy step code and other green building frameworks
	Start planning for new corporate facilities pool and FH
	Sweater Campaign in February

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

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	
	City staff continues to identify opportunities for connections to District Energy System. Work started on connections to two new community buildings in the downtown.
Community-Wide Actions Proposed for 2018	
	City staff continues to identify opportunities for connections to District Energy System. Complete connections to two new community buildings in the downtown.

Corporate Actions Taken in 2017	
	Continued use of solar water heating and solar at the new RCMP building and solar panels on the aquatic centre for water heating.
	Contributing member of Community Energy Association
	Continued participation in BC Hydro’s Energy Wise Network and Energy Saving Challenges
	Operating 2 solar powered irrigation sites
Corporate Actions Proposed for 2018	

	Continued use of solar water heating and solar at the new RCMP building and solar panels on the aquatic centre for water heating.
	Contributing member of Community Energy Association
	Installation of Wattway solar panel pilot in City Hall parking lot. Energy will subsidize electric car charging station.
	Strategic planning within Energy, Environment & Sustainability division.

Energy Generation	
Is your local government developing, or constructing:	
<ul style="list-style-type: none"> • A district energy system • A renewable energy system 	Yes Yes
Is your local government operating:	
<ul style="list-style-type: none"> • A district energy system • A renewable energy system 	Yes Yes
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? "	No

2017 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.

Community-Wide Actions Taken in 2017	
	Continued requirement for green space in subdivision applications
	Continued enforcement of Riparian Area Development Permit areas through Development Services
	Tree planting along boulevards through BC Hydro and CN EcoConnexions grants
	Continuing to work within City of Prince George's Official Community Plan objectives and policies on brownfield redevelopment, wildlife, and greenspace.
	City staff are involved with the new Nechako Watershed Strategy Technical Advisory Committee
	Tree Day Public Event in September to promote urban forests in Prince George and involvement in Rivers Day event to promote the importance of rivers in the local community
	Planning for Cottonwood Island Park and Heritage River Trail riverbank protection and trail

	rehabilitation
	Planning for Nechako Riverside Park development for riverfront park and trail access
	Adoption of the 2017 Park Strategy with parkland acquisition guidelines and recommendations
	In-kind contribution of \$25,000 to riparian rehabilitation project, in collaboration with Upper Fraser Fisheries Council Alliance and DFO, in the McMillan Creek Fishing Park at the confluence of McMillan Creek and the Nechako River.
Community-Wide Actions Proposed for 2018	
	Community Wildfire Protection Plan update
	Continued requirement for green space in subdivision applications
	Continued enforcement of Riparian Area Development Permit areas through Development Services
	Continuing to work within City of Prince George's Official Community Plan objectives and policies on brownfield redevelopment, wildlife, and greenspace.
	City staff are involved with the new Nechako Watershed Strategy Technical Advisory Committee
	Nechako Riverside Park design and construction for riverfront park and trail provision
	Engineering for Cottonwood Island Park and Heritage River Trail riverbank protection and trail rehabilitation
	New Cottonwood Island Park footbridge providing access to riverfront riparian areas
	Ron Brent Park design and construction with new lawn, trees and community garden plots
	City Centre Park remediation to provide an urban park in the downtown core
	Tree planting at Masich Place Stadium through potential CN EcoConnexions grant funding
	Tree planting along Upper Patricia Boulevard through BC Hydro grant funding
	Successional tree planting at Cottonwood Island Park through TD Tree Days funding
	Potential planning and upgrade of the Connaught Hill Park trail in the downtown core

Corporate Actions Taken in 2017	
	Monitoring of habitat and vegetation growth in newly developed fish habitat pond, remaining area to be turned to parkland
	Full time staff member dedicated to invasive species and pest management
	City staff continuously investigating property options to purchase with intention to move to parkland
	Culvert replacement on fish-bearing McMillan Creek at Aberdeen Rd. – intended to provide better fish habitat and stormwater management, and built to be above typical flood levels.
	Construction on trail remediation in Cottonwood Island Park.
	Completion of culvert removal and bridge installation over fish-bearing Haggith Creek
	Environmental support provided on construction activities in environmentally sensitive areas.
	Spill response training for staff.
Corporate Actions Proposed for 2018	
	Monitoring of habitat and vegetation growth in newly developed fish habitat pond, remaining area to be turned to parkland
	Full time staff member dedicated to invasive species and pest management
	City staff continuously investigating property options to purchase with intention to move to parkland
	Construction on trail remediation in Cottonwood Island Park.
	Environmental support provided on construction activities in environmentally sensitive areas.
	Erosion and sediment control training for staff.

	Collaboration with the non-profit The Fur Bearers Defenders on training staff to build low impact beaver deterrents to protect City infrastructure.
	Salt Vulnerable Areas Action Plan to identify areas that are vulnerable to salt application (ie. groundwater, riparian areas).

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?	No

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	
	Continued use of MyWaste App created by the CPG and RDFFG by the community
	CPG partnership with REAPS for Spring Clean Up – contribution of community waste bins
	Continued curb-side recycling pickup by Emterra recycling program – service centre staff direct residents to correct information
Community-Wide Actions Proposed for 2018	
	Continued use of MyWaste App created by the CPG and RDFFG by the community
	CPG partnership with REAPS for Spring Clean Up – contribution of community waste bins
	Continued curb-side recycling pickup by Emterra recycling program – service centre staff direct residents to correct information
	Waste characterization study, reduction and education in collaboration with the Fraser Fort George Regional District.

Corporate Actions Taken in 2017	
	Continued recycling program at City 18 th Ave Yard
	Implementing waste reduction standards and processes.
	Claxton landfill air curtain methane detection staff training
	Elimination of change fee for transferring to small garbage can, from a medium or large, to encourage less waste production
	Implementing fluorescent tube and bulb recycling program
Corporate Actions Proposed for 2018	
	Continued recycling program at City 18 th Ave Yard
	Implementing waste reduction standards and processes.

	Claxton landfill air curtain methane detection staff training
	Implementing fluorescent tube and bulb recycling program
	Waste characterization study, reduction and education in collaboration with the Fraser Fort George Regional District.

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?	No

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

Community -Wide Actions Taken in 2017	
	Participation in Bike to Work Week
	Remarkd bike lanes in city boundaries to encourage cycling.
	Total of 2.3 km of trails were upgraded to a paved accessible surface at Ginter’s Meadow, Lheidli T’enneh Memorial Park and Cpl. Darren Fitzpatrick Bravery Park.
	Audit was performed in 10 major City parks through the support of Spinal Cord BC – the audit will direct improvements to make parks more accessible.
	Free Fare for Clean Air – free transit once per annum
	Free Transit Fares Policy approved by Council on July 24, 2017 that specify dates where transit is free to encourage ridership.
	Additional 2500 Transit service hours implemented in Sept. to extend weekend, evening and holiday service, to make Public Transit a more appealing and feasible commuting option
	Education and Capacity Building with Seniors Travel Training and Transit Challenge initiatives for Public Transit (Age Friendly Plan)
Community-Wide Actions Proposed for 2018	
	Participation in Bike to Work Week
	EV infrastructure project support with Community Energy Association
	Free Fare for Clean Air – free transit on Clean Air Day, and for cyclists on Bike to Work week
	Education and Capacity Building with Seniors Travel Training and Transit Challenge initiatives for Public Transit (Age Friendly Plan)
	Strategically expand active transportation infrastructure, including bicycle parking and other end-of-trip facilities, amenities, etc. to work in conjunction with transit use (Active Transportation Plan)

Corporate Actions Taken in 2017	
	Hired new transit planner
	Council approved additional 2500 Transit service hours implemented in Sept. to extend weekend, evening and holiday service, to make Public Transit a more appealing and feasible commuting option
	Strategizing with Roads/Streets on snow removal prioritization and Transit Routes/Stops clearing to make public transit use an accessible alternative in the winter
	Continued expansion and improvement of the Active Transportation Plan Network annually which encourages a shift towards active modes of transportation.
	Continued participation in Bike to Work Week
	Continued participation in Clean Air Day
	Pedestrian Network Condition Assessment and Study completed
	\$600,000 spent on upgrading and rehabilitating existing sidewalks, and \$400,000 spent on building new sidewalks.
	Fleet Management by right sizing of vehicles: helps to reduce overall greenhouse gas emissions and carbon footprint- a council priority identified in the COPG 2016-2018 Corporate plan; including assessment done by Fleet Carma to identify fleet vehicles that may be replaced by an electric option
	Updated 55 "zebra" style crosswalks, replacing 220 signs with Type 9 retro reflective signs improving visibility and pedestrian safety.
Corporate Actions Proposed for 2018	
	Continued participation in Bike to Work and School Week
	Continued participation in Clean Air Day
	Strategically expand active transportation infrastructure, including bicycle parking and other end-of-trip facilities, amenities, etc. to work in conjunction with transit use (Active Transportation Plan
	Continued strategizing with Roads/Streets on snow removal prioritization and Transit Routes/Stops clearing to make public transit use an accessible option in the winter
	Continue Fleet Management by right sizing of vehicles: helps to reduce overall greenhouse gas emissions and carbon footprint- a council priority identified in the COPG 2016-2018 Corporate plan
	Full time EV fleet vehicle purchase
	\$600,000 to be spent on upgrading and rehabilitating existing sidewalks, and \$400,000 to be spent on building new sidewalks.
	Update 120+ "zebra" style crosswalks, replacing 480 signs with Type 9 retro reflective signs improving visibility and pedestrian safety. Upgrade 4 "zebra" style arterial crosswalks with overhead signage improving visibility and pedestrian safety.
	As a trial, install pedestrian activated Rectangular Rapid Flashing Beacons (RRFB) at an existing crosswalk.
	Participating in local government Electric Vehicle peer network
	Complete BC Hydro Electric Vehicle Supply Equipment performance review

Transportation	
Does your local government have policies, plans or programs to support:	
• Walking	Yes
• Cycling	Yes
• Transit Use	Yes
	Yes

<ul style="list-style-type: none"> • Electric Vehicle Use • Other (please specify) 	No
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

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	
	CPG partnership with REAPs for rain barrel program
	Water restrictions are in effect 365 days a year, that enforce residents to sprinkle outside of peak evapotranspiration times
	City of Prince George Drinking Water Week poster contest in collaboration with SD57
	Continuation of Volunteer Water Meter Program
	BC Water Week Open House at water booster station, provided information to the public on water conservation, water infrastructure and groundwater source
	Educational videos created on stormwater awareness. Gil the Fish mascot provides tips on what cannot go down the storm drain.
	Educational programming for elementary classes on water conservation and groundwater protection. 12 classes totalling 254 students.
Community-Wide Actions Proposed for 2018	
	CPG partnership with REAPs for rain barrel program
	Water restrictions are in effect 365 days a year, that enforce residents to sprinkle outside of peak evapotranspiration times
	City of Prince George Drinking Water Week poster and poetry contest in collaboration with SD57
	Continuation of Volunteer Water Meter Program – promoting at Farmers Market events
	Water Wise Workshops on how to keep a “water-wise yard and garden” put on through the summer in collaboration with REAPS
	Educational videos created on water conservation. Flo the water drop provides tips on easy ways to reduce your water consumption.
	BC Water Week Open House at Western Acres Wetland, provided information to the public on water conservation, sanitary sewer treatment and wetland habitats.

Corporate Actions Taken in 2017	
	Ongoing awareness of inappropriate water sprinkling and monitoring of system to reduce leaks
	CCTV camera inspection training of sewer mains to determine defects and repair to reduce

	infiltration of groundwater
	Continue sewer main relining and grouting manholes to reduce inflow and infiltration to reduce wastewater treatment costs.
	Expansion of irrigation system connected to sentinel system (automated water conservation)
	Stormwater Educational videos produced and shared as part of Stormwater Education Program
	Targeting Erosion and Sediment Control on development sites
	Hiring 2 Water-Wise Liaison Workers to provide information on water conservation initiatives to the public and report sprinkling infractions. Notices served to 450 residences.
Corporate Actions Proposed for 2018	
	Ongoing awareness of inappropriate water sprinkling and monitoring of system to reduce leaks
	CCTV camera inspection training of sewer mains to determine defects and repair to reduce infiltration of groundwater
	Continue sewer main relining and grouting manholes to reduce inflow and infiltration to reduce wastewater treatment costs.
	Targeting Erosion and Sediment Control on development sites
	Hiring 2 Water-Wise Liaison Workers to provide information on water conservation initiatives to the public and report sprinkling infractions
	City Staff put through Erosion and Sediment Control Certification course.
	Civic Facility Water Audit performed to identify areas where corporate water consumption can be reduced.

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 • Increased temperatures increasing wildfire activity • Increased temperatures affecting air quality • 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 	 Y Y Y
Other:	

In 2017 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	No
Infrastructure upgrades (e.g. storm water system upgrades)	Yes
Beach Nourishment projects	No
Economic diversification initiatives	No
Strategic and financial planning	Yes
Cross-department working groups	No
OCP policy changes	Yes
Changes to zoning and other bylaws and regulations	No
Incentives for property owner (e.g. reducing storm water run-off)	No
Public education and awareness	Yes
Research	Yes
Mapping	Yes
Partnerships	Yes
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.	
	Continuing to work within City of Prince George’s Official Community Plan objectives and policies on Climate Change Adaptation. The City takes a leadership role in promoting adaptation to climate change and considering the priorities outlined in the 2009 “Adapting to Climate Change in Prince George.”
Climate Change Adaptation Actions Proposed for 2018	
	Continuing to work within City of Prince George’s Official Community Plan objectives and policies on Climate Change Adaptation. The City takes a leadership role in promoting adaptation to climate change and considering the priorities outlined in the 2009 “Adapting to Climate Change in Prince George.”
	Start work on updating adaptation plan in conjunction with FCM funded Changemakers program.
	Asset Management strategy update to include climate change adaption.
For more information please contact:	
	Joshua Kelly, Supervisor of Energy, Environment & Sustainability: 250-561-7546

<p>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?</p>	
<p>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</p> <p>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</p>	<p>Haven't Used Useful Not Useful Not Useful Not Useful Haven't Used Haven't Used Useful Not Useful Useful Haven't Used Haven't Used Haven't Used</p> <p>Useful Useful Useful Useful Useful Useful</p>
<p>Other:</p>	

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	
	Continue street sweeping to improve air quality. Send out reminder letters to contractors and large parking lot owners in town to educate on proper sweeping procedures to maintain air quality.
	Regulate open burning, wood stoves and sweeping under the Clean Air Bylaw.
Community-Wide Actions Proposed for 2018	
	Continue street sweeping to improve air quality. Send out reminder letters to contractors and large parking lot owners in town to educate on proper sweeping procedures to maintain air quality.
	Regulate open burning, wood stoves and sweeping under the Clean Air Bylaw

	Begin to incorporate adaptation thinking into emergency planning Community Wildfire Protection Plan
	Central BC Clean Air Forum on June 4 th and 5 th
	Hosting Bio-economy conference on June 6-8 th

Corporate Actions Taken in 2017	
	Member of PGAir Board of Directors and Operational Committee
	New Energy, Environment & Sustainability Division
	Continue reporting GHG emissions through CDP Cities
	Continued involvement with Partners for Climate Protection
Corporate Actions Proposed for 2018	
	Planning for 2019 Student Conference on Sustainability in Engineering
	Member of PGAir Board of Directors and Operational Committee
	Identifying new Climate goals and targets
	Development of internal corporate “Sustainability Working Group”
	Continue reporting GHG emissions through CDP Cities
	Continued involvement with Partners for Climate Protection
	Economic Development Clean Technology Campaign

Other	
Are you familiar with the Community Lifecycle Infrastructure Costing Tool (CLIC) ?	Yes
Have you used CLIC?	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 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
For more information contact:
Corporate Action
N/A
For more information contact:

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
Federation of Canadian Municipalities – Partners for Climate Protection Community Energy Association PGAir University of Northern British Columbia

Adaptation

Programs and Funding
Federation of Canadian Municipalities – Partners for Climate Protection Community Energy Association PGAir University of Northern British Columbia PICS PCIC

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:	5903.0
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:	504.8
TOTAL A: CORPORATE GHG EMISSIONS FOR 2017	6407.8 tCO ₂ e

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	0

Solar Thermal	0
Household Organic Waste Composting	0
Low Emission Vehicles	0
Avoided Forest Conversion	0
TOTAL B: REDUCTIONS FROM OPTION 1 PROJECTS FOR 2017	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
	0
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
	0
TOTAL D: OFFSETS PURCHASED FOR 2017	tCO2e

TOTAL REDUCTIONS AND OFFSETS FOR 2017 (Total B+C+D) = 0 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)) = 6407.8 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
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?	Yes

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:
Downtown District Energy System For more info: https://princegeorge.ca/City%20Services/Pages/Utilities/DistrictEnergy.aspx

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 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	