

2018

City of Port Moody Climate Action Survey

Public Reporting for the Climate
Action Revenue Incentive
Program (CARIP)





Climate Action Revenue Incentive (CARIP) Public Report for 2018



Local Government: City of Port Moody

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

2018 BROAD PLANNING ACTIONS

Broad Planning Actions

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

Q 6 + Q 7 Community-Wide Broad Planning Actions Taken in 2018 + Additional Actions	
	Continued to implement the City's OCP.
	Continued work with the Climate Action Committee.
	Created a permanent staff position for a Sustainability and Energy Coordinator.
	Initiated development of a strategic framework for Energy Step Code implementation.
	Updated the City's Zoning Bylaw to encourage better building energy performance.
	Updated the City's Zoning Bylaw to reduce requirements for vehicle parking and include requirements for bike parking.
Q 8 Community-Wide Broad Planning Actions Proposed for 2019	
	Update the City's Zoning Bylaw to require electric vehicle charging infrastructure requirements in new developments.
	Develop a plan to create a Climate Action Plan including community and corporate energy emissions inventories.
	Review and update the Sustainability Report Card.
	Continue development of a strategic framework for Energy Step Code implementation.
	Continue to perform reviews of development applications with a climate lens.
Q 9 + Q 10 Corporate Broad Planning Actions Taken in 2018 + Additional Actions	
	Continued implementation of the City's internal corporate carbon inventory system.
	Continued to advance the City's carbon management program in accordance with Council adopted Carbon Neutral Principles.
	Continued engagement with internal staff during broad planning opportunities.
	Continued to explore opportunities for future offset actions.
	Continued participation within the BC Hydro Community Energy Management network and Metro Vancouver REAC - Climate Protection Subcommittee.
Q 11 Corporate Broad Planning Actions Proposed for 2019	

	Develop a plan to create a Climate Action Plan including community and corporate energy emissions inventories.
	Continue participation within the BC Hydro Community Energy Management network and Metro Vancouver REAC - Climate Protection Subcommittee.
	Establish an internal staff Climate Action Working Group.
	Continue to work with the Climate Action Committee to carry out work plan initiatives.
	Participate in the Electric Vehicle and Energy Step Code Peer Networks hosted by BC Hydro.
	Initiate and develop a UBCM resolution that encourages the Province to consider regulating carbon intensity in new construction.

Broad Planning	
Q 12 What is (are) your current GHG reduction target(s)?	10% below 2007 levels by 2017.
Q 13 Are you familiar with your local government's community energy and emissions inventory (e.g. CEEI or another inventory)?	Yes
Q 14 What plans, policies or guidelines govern the implementation of climate mitigation in your community? <ul style="list-style-type: none"> • Community Energy and Emissions Plan • Integrated Community Sustainability Plan • Community- Wide Climate Action Plan • Official Community Plan • Regional Growth Strategy • Do not have a plan • Other: 	No No No Yes Yes
Q 15 Does your local government have a corporate GHG reduction plan?	No

2018 BUILDING AND LIGHTING ACTIONS

Building and Lighting Actions

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

Q 16 + Q 17 Community-Wide Building and Lighting Actions Taken in 2018 + Additional Actions	
	Continued implementation of the City's existing OCP community-wide policies.
	Continued development of a strategy related to the BC Energy Step Code.

	Continued to implement sections 9.32 and 9.36 of the BC Building Code which is intended to increase energy efficiency of newly constructed single and two family dwellings.
	Developed a plan to create a Climate Action Plan and Community Energy and Emissions Plan.
	Continued promotion and use of the City's Building Energy Performance Design Guidelines.
Q 18 Community-Wide Building and Lighting Actions Proposed for 2019	
	Update the City's Zoning Bylaw to require electric vehicle charging infrastructure in new developments.
	Continue to update the City's Zoning Bylaw to align with the provincial Energy Step Code legislation.
	Continue development of a strategy related to the BC Energy Step Code.
	Continue to implement sections 9.32 and 9.36 of the BC Building Code which is intended to increase energy efficiency of newly constructed single and two family dwellings.
	Continue to support low carbon building energy systems.
	Review and update the Sustainability Report Card.

Q 19 + Q 20 Corporate Building and Lighting Actions Taken in 2018 + Additional Actions	
	Continued implementation of the City's existing OCP policies for City-owned buildings.
	Continued regular conversion to LED lights in appropriate City facilities.
	Continued significant major capital projects on the retrofits of the City's Civic Centre and Recreation Complex. Both retrofits will significantly increase the energy efficiency at the respective buildings. Improvements include air barriers, sealing previously leaky areas, new windows, new roofing, and new siding.
	Continued exploration of utility partnerships and rebate options.
	Completed replacement of an end of life boiler at West Hill outdoor pool with an energy efficient boiler.
Q 21 Corporate Building and Lighting Actions Proposed for 2019	
	Continue implementation of the City's existing OCP policies for City-owned buildings.
	Complete replacement of an existing outdoor pool boiler with a higher efficiency boiler.
	Complete replacement of a hot water storage tank with a higher insulated hot water storage tank.
	Complete significant major capital projects on the retrofits of the City's Civic Centre and Recreation Complex. Both retrofits will significantly increase the energy efficiency at the respective buildings. Improvements include air barriers, sealing previously leaky areas, new windows, new roofing, and new siding.
	Complete replacement of one Recreation Complex arena chiller for a higher energy efficient chiller in the Recreation Complex.
	Complete controls upgrades on lighting in the Recreation Complex and associated parking lot to reduce kWh consumed.

Building and Lighting

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

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

P5 2018 ENERGY GENERATION ACTIONS

Energy Generation Actions

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

Q 24 + Q 25 Community-Wide Energy Generation Actions Taken in 2018 + Additional Actions	
	Continued implementation of the City's OCP which includes policies on renewable energy.
	Continued implementation of the "solar ready" regulation.
	Continued investigating feasibility of district energy systems for the Moody Centre Transit Oriented Development Area and Coronation Park Plan area.
	Initiated review of the Sustainability Report Card which encourages the use or installation of renewable energy in new developments.
	Continued running the "Cool It Challenge" in SD43 schools over the year, offered through BCSEA.
Q 26 Community-Wide Energy Generation Actions Proposed for 2019	
	Incorporate amendments to City's Zoning and Building Bylaw to align with anticipated provincial Energy Step Code requirements.
	Continue to investigate feasibility of district energy systems for the Moody Centre Transit Oriented Development Area and Coronation Park Plan area.
	Continue running the "Cool It Challenge" in SD43 schools over the year, offered through BCSEA.

Q 27 + Q 28 Corporate Energy Generation Actions Taken in 2018 + Additional Actions	
	Utilized and regularly maintained the geothermal energy generation infrastructure at the City's Police Station Building.
Q 29 Corporate Energy Generation Actions Proposed for 2019	
	Continue to utilize and regularly maintain the geothermal energy generation infrastructure at the City's Police Station Building.

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

2018 GREENSPACE/NATURAL RESOURCE PROTECTION ACTIONS

Greenspace Actions

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

Q 34 + Q 36 Community-Wide Greenspace Actions Taken in 2018 + Additional Actions (Q 35 below Q 41)	
	Continued implementation of the City's environmental policies, including Environmentally Sensitive Areas (ESA) management policies, Streamside Protection and Enhancement Areas policies, Tree Protection Bylaw and policies, Pesticide Use Control Bylaw, and Stream and Drainage System Protection Bylaw.
	Updated streamside setbacks in Zoning Bylaw to incorporate Riparian Protection and Enhancement Areas, as well as Riparian Transition Zones (RTZ). RTZs are intended to provide additional protection in riparian corridors beyond the protection provided by the no-touch RPEAs, partially in recognition of risk and uncertainties associated with climate change.
	Increased removal and control actions for invasive plants on public lands throughout the City, including for natural green spaces and parks.
	Increased planting of native species (including drought and cold-tolerant species) in areas where knotweed and invasive plants have been removed.
	Implemented stream daylighting project to protect at-risk instream and riparian habitat and acquire riparian property to be conveyed to the City, in partnership with developers. Work included instream work and habitat creation, culvert replacement to improve fish passability, restoration planting along the new riparian corridor, and re-greening of part of a City road right-of-way.

	Initiated discussions with developers around further downstream daylighting as part of long-range development plans.
	Initiated update of ESA information and policies to ensure natural spaces (including riparian, forest, marine, and special features) are mapped, inventoried and protected during development.
	Increased engagement actions to enhance public stewardship of natural areas and assets, including invasive plant community volunteer events, Earth Week events, and Nesting Nests, a series of art and environment events and installations celebrating birds and their habitat.
Q 37 Community-Wide Greenspace Actions Proposed for 2019	
	Develop policies and procedures to ensure consistent and protective application of new streamside setbacks in the Zoning Bylaw.
	Continue update of ESA information and policies.
	Update environmental policies to ensure they reflect current and most protective best management practices (Naturescape, Nesting, Tree Management policies).
	Continue implementation and review of other City environmental policies.
	Continue invasive plant removal and restoration replanting in natural areas, incorporating drought and cold-tolerant species. Resource maintenance activities for restoration sites to help ensure their long-term success.
	Implement targeted tree planting efforts to improve health of urban forests and shoreline habitats, as needed. Explore partnerships with other funding agencies (Tree Canada, TD Environment Fund)
	Improve integration of park planning into the development process for multi-family residential projects.
	Begin development of a City-wide parkland acquisition strategy
	Continue to support engagement actions to enhance public stewardship of natural areas and assets, including expanding public outreach around Earth Day and City events.

Q 38 + Q 39 Corporate Greenspace Actions Taken in 2018 + Additional Actions	
	See Community Actions. These Actions also represent Corporate Actions of the City.
Q 40 Corporate Greenspace Actions Proposed for 2019	
	See Community Actions. These Actions also represent Corporate Actions of the City.

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

2018 SOLID WASTE ACTIONS

Solid Waste Actions

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

Q 42 + Q 43 Community-Wide Solid Waste Actions Taken in 2018 + Additional Actions	
	Achieved 75% of residential waste diverted from the landfill.
	Held <i>Annual Centralized Recycling Day</i> that included collection of 1.7 MT of single stream recycling including containers, packaging, paper, Styrofoam, plastic film and overwrap. 330 residents in attendance.
	Completed annual recycling and public waste audits to achieve compliance and diversion.
	Carried out on-going Adopt A-Street Program with 42 participants.
	Completed outreach and education at numerous public events to promote sustainable and environmental endeavors and initiatives.
	Employed <i>Waste Reduction Stations</i> at numerous community events, and completed the “Sustainable Events Policy and Guide Book”.
	Diversions of refundable beverage containers through 9 installed <i>Return It</i> stations within public spaces.
	Linked reuse and recycling of used goods through the City Wide Garage Sale with local repair cafes.
	Created new messaging to be affixed to Solid Waste trucks to promote and educate the community.
	Streetscaped Public Waste Audit (In partnership with Metro Vancouver) to characterize waste and identify public waste needs.
Q 44 Community-Wide Solid Waste Actions Proposed for 2019	
	Hold annual Centralized Recycling Day to collect single stream recycling including containers, packaging, paper, Styrofoam, plastic film and overwrap.
	Participate in an Earth Day event by having a compost/food scraps workshop and screening of waste reduction movie, “The Clean Bin Project”.
	Continue presence to provide outreach and education at numerous public events to promote sustainable and environmental endeavors and initiatives
	Expand the dog waste collection program from 5 to 10 locations within the City.
	Carry out residential recycling audits and public education around EPR materials such as textiles to assist with better sorting
	Organize and /or assist local repair cafes.
	Host a Public Works Day booth to demonstrate recipes made from food waste.
	Begin Single-Use-Item Reduction Strategy- Survey to local businesses for input and suggested actions, Analyze data and report to Council for next steps.

	Participate with member municipalities to develop a Single Use Item Reduction Strategy and Took-Kit.
	Develop and Illegal Dumping strategy, and campaign.
	Purchase and install new Public Waste Receptacles that allow two stream waste diversion and reduction.

Q 45 + Q 46 Corporate Solid Waste Actions Taken in 2018 + Additional Actions	
	Expanded corporate collection and diversion of clear polyethylene to clear <i>and</i> mixed colour polyethylene (plastic film and over-wrap).
	Implemented three-stream waste stations at 95% all civic buildings (arena in 2019).
	Continued active diversion of EPR Materials.
	Reviewed and updated Corporate/ Administrative Waste Management Policy including a hazardous waste management.
	Completed a corporate waste audit and compiled baseline data for future tracking.
Q 47 Corporate Solid Waste Actions Proposed for 2019	
	Finalize and install Corporate/ Administrative Waste Management Policy including a hazardous waste management.
	Implement a three-stream waste system at the Arena (last of facilities to implement).
	Conduct Waste Not Want Not Lunch and Learn to experiment with recipes made from food waste.
	Perform waste audits in facilities to remove more waste out of work spaces and lunchrooms.

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

2018 TRANSPORTATION ACTIONS

Transportation Actions

Transportation actions that increase transportation system efficiency emphasize the movement of people and goods, and give priority to more efficient modes, e.g. walking, cycling and public transit, can contribute to reductions in GHG emissions and more livable communities.

Q 50 + Q 51 Community-Wide Transportation Actions Taken in 2018 + Additional Actions	
	Focused on implementation of the recommendations from the City's Master Transportation Plan.
	Continued to improve traffic signal coordination timing to reduce congestion and corresponding GHG emissions. Continue adjustments to traffic signal crossing times to promote walking and transit (Inlet Centre Area).

	Continued to promote and adopt reducing parking requirements embedded within the draft Zoning Bylaw.
	Continued to promote and adopt provision of bicycle facilities in new developments within the draft Zoning Bylaw.
	Continued bus stop accessibility improvements.
	Applied 1% tax levy to fund Master Transportation Plan projects.
	Continued to Promote Bike to Work Week.
	Improved walkability near rapid transit stations.
	Continued to organise and promote Car Free Day.
	Endorsed Bike Parkade at Moody Centre Rapid Transit Station.
	Designed improvement of pedestrian access to Moody Centre Rapid Transit Station.
	Completed construction of the missing section of the bicycle network between Inlet Station and Moody Centre Station.
	Designed for bike path facility on Murray Street in close proximity to Moody Centre Station.
	Improved travel times for transit buses exiting Moody Centre Rapid Transit Station.
	Designed Pedestrian and Cyclist Improvements for St. Johns Street.
	Designed two traffic signals to improve safety for pedestrians crossing Murray Street.
	Installed pedestrian crossing improvements at six locations on the arterial road network.
	Designed pedestrian crossing improvements at three crosswalks in Newport Village.
	Installed Audible Pedestrian push buttons at six busy intersections to assist the visually impaired.
	Installed five new public Level 2 EV charging stations. For use by the public and staff.
Q 52 Community-Wide Transportation Actions Proposed for 2019	
	Construct a bike path facility on Murray Street in close proximity to Moody Centre Station.
	Improve travel times for transit buses exiting Moody Centre Rapid Transit Station.
	Construct two traffic signals to improve safety for pedestrians crossing Murray Street.
	Install additional Audible Pedestrian push buttons at six busy intersections to assist the visually impaired.
	Design pedestrian safety improvements at Glenayre St at Glencoe Dr intersection.
	Continue design for pedestrian and cyclist Improvements on St. Johns Street.
	Construct improved pedestrian access to Moody Centre Rapid Transit Station.
	Construct pedestrian crossing improvements at three crosswalks in Newport Village.
	Explore opportunities to install a DC Fast Charger.

Q 53 + Q 54 Corporate Transportation Actions Taken in 2018 + Additional Actions	
	Continued promotion and use of the MODO car share program for corporate travel.
	Continued promotion of Bike to Work week.
	Continued use of low-carbon fleet vehicles (e.g. full EVs and hybrid utility vehicles).
	Continued use and maintenance of City's 11 public EV charging ports.
	Installed five new public Level 2 EV charging stations. For use by the public and staff.
Q 55 Corporate Transportation - Actions Proposed for 2019	
	Continue promotion and use of the MODO car share program for corporate travel and explore expanding the MODO car share program to include two more vehicles for staff use.
	Continue promotion of Bike to Work week.

	Continue use of low-carbon fleet vehicles (e.g. full EVs and hybrid utilities vehicles), and explore expanding the low-carbon fleet.
	Continue use and maintenance of City's public electric vehicle charging stations.
	Participate in the BC Commuter Challenge.
	Explore opportunities to install a DC Fast Charger.

Transportation	
Q 56 Does your local government have policies, plans or programs to support: <ul style="list-style-type: none"> • Walking • Cycling • Transit Use • Electric Vehicle Use • Other (please specify) 	Yes Yes Yes Yes Yes
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)?	Yes
Q 58 Does your local government integrate its transportation and land use planning?	Yes

2018 WATER AND WASTEWATER ACTIONS

Water and Wastewater Actions

Managing and reducing water consumption and wastewater is an important aspect of developing a sustainable built environment that supports healthy communities, protects ecological integrity, and reduces GHG emissions.

Q 59 + Q 60 Community-Wide Water and Wastewater Actions Taken in 2018 + Additional Actions	
	Continued work on the City's Integrated Stormwater Management Plan (focus on the North Shore area).
	Constructed a new watermain on Gatensbury Road to upgrade an aging main.
	Installed new sanitary sewer inspection chambers at properties on Gatensbury Road.
	Installed new curb and gutter for the newly constructed Gatensbury Road including a new storm main on the southern portion of the road.
	Initiated the Moody Centre Stormwater Management Servicing Plan. The works included updating the IDF curves to 2018, preparing new IDF curves to 2050 which includes climate change, preparing on-site stormwater management guidelines, green infrastructure guidelines and a 20 year stormwater servicing plan for Moody Centre area incorporating Climate Change.
	Continued the AMF (Adaptive Management Framework) program which monitors stream/creek health of the north shore watersheds.
	Constructed a new stormmain on Avalon Drive.
Q 61 Community-Wide Water and Wastewater Actions Proposed for 2019	

	Continue work on the City's Integrated Stormwater Management Plan (focus on the North Shore area).
	Continue the AMF (Adaptive Management Framework) program which monitors stream/creek health of the north shore watersheds.
	Continue work on the City's Moody Centre Stormwater Management Servicing Plan.
	Planned work for Avalon Drive to replace an aging watermain
	Planned work for Murray Street to replace an aging watermain with a break history.
	Planned work for Avalon Drive to re-route a sanitary sewer main off of private property.
	Planned work to install ICI water meters and residential water metering pilot program.
	Planned North Shore Integrated Stormwater Management Plan.
	Shoreline Trail Sanitary Sewer Upgrade – Design work. To replace an aging main.

Q 62 + Q 63 Corporate Water and Wastewater Actions Taken in 2018 + Additional Actions	
	Continued the Cross Connection Control Program.
	Sponsored 6 DreamRider school performances of Planet Protector Keep Cool program (focused on climate change and reducing carbon footprints) for the school year.
	Continue to harvest non-potable water (e.g., rain water, groundwater, etc.) for City irrigation purposes.
Q 64 Corporate Water and Wastewater Actions Proposed for 2019	
	Water Conservation Coordination Outreach Program to educate the generate public about water conservation.
	Continue the Cross Connection Control Program.
	Continue to sponsor DreamRider school performances of Planet Protector Keep Cool program (focused on climate change and reducing carbon footprints) for the upcoming school year.

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

2018 CLIMATE CHANGE ADAPTATION ACTIONS

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

Q 66 Please identify the THREE climate impacts that are most relevant to your Local Government.	
<ul style="list-style-type: none"> Increased temperatures affecting air quality Extreme weather events contributing to urban and overland flooding Sea level rise and storms causing coastal flooding and/or erosion 	
Other (please specify):	

Q 67 In 2018 has your local government addressed the impacts of a changing climate using any of the following?	
Risk and Vulnerability Assessments	No
Risk Reduction Strategies	Yes
Emergency Response Planning	Yes
Asset Management	Yes
Natural/Eco Asset Management Strategies	Yes
Infrastructure Upgrades (e.g. stormwater system upgrades)	Yes
Beach Nourishment Projects	Yes
Economic Diversification Initiatives	Yes
Strategic and Financial Planning	Yes
Cross-Department Working Groups	Yes
Official Community Plan Policy Changes	No
Changes to Zoning and other Bylaws and Regulations	Yes
Incentives for Property Owners (e.g. reducing storm water run-off)	No
Public Education and Awareness	Yes
Research	Yes
Mapping	No
Partnerships	Yes
Other (please specify):	

Q 68 Climate Change Adaptation Actions Taken in 2018	
Please elaborate on key actions and/or partnerships your local government has engaged in to prepare for, and adapt to a changing climate. Add links to key documents and information where appropriate.	
	Increased the planting of cold tolerant plants (rated for colder plant zones) to provide extra resiliency for the City's green landscapes against possible harsh winter conditions.
	Continued to increase the planting of drought tolerant plants to provide extra resiliency for the City's green landscapes against possible harsh winter conditions.
	Continued implementation of the City's OCP, which includes climate change and energy policies.
	Explored opportunities to integrate climate change into new developments.
	Explored opportunities to integrate climate change adaptation into storm management planning and other strategic plans.
	Explored partnership and funding opportunities to further climate change adaptation initiatives and increase community resiliency.
Q 69 Climate Change Adaptation Actions Proposed for 2019	
	Explore actions to contribute towards the Metro Vancouver Regional Food System Action Plan.
	Explore food security challenges and opportunities in Port Moody.
	Develop a Climate Action Plan that includes adaptation measures.
	Update the Zoning Bylaw to reflect provincially established sea level rise estimates.

	Develop a new Environmentally Sensitive Area Management strategy.
Q 70 For more information please contact	
	<p>Laura Sampliner Sustainability and Energy Coordinator (604)-469-4634 lsampliner@portmoody.ca</p>

Q 71. The following are key resources that may be helpful to your local government in identifying climate impacts, as well as, strategies, actions and funding to deal with them. For those resources that you have used, please indicate whether they were useful in advancing your work in climate change adaptation?	
Indicators of Climate Change for British Columbia 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: Implementation Guide for Local Governments Public Infrastructure and Engineering Vulnerability Committee's (PIEVC) Sea Level Rise Adaptation Primer BC Regional Adaptation Collaborative Webinars Retooling for Climate Change Water Balance Model Water Conservation Calculator 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	Useful Useful Useful Haven't Used Haven't Used Useful Useful Haven't Used Useful Useful Useful Haven't Used Haven't Used Useful Useful Useful Useful Useful Useful
Other (please specify)	

2018 OTHER CLIMATE ACTIONS

Other Climate Actions

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

Q 72 Community-Wide Other Actions Taken in 2018	
	See previously noted actions.
Q 73 Corporate Other Actions Taken in 2018	
	See previously noted actions.

Other	
Q 74 Are you familiar with the Community Lifecycle Infrastructure Costing Tool (CLIC) ?	Yes
Q 75 Is your local government using the CLIC tool?	No

INNOVATION AND PEER-TO-PEER LEARNING

Innovation

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

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

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

Q 76 Community-Wide Innovation Action
Green building Zoning Bylaw updates Integrated Climate Action Plan
Q 77 Corporate Innovation Action
Integrated Climate Action Plan Climate Action Committee
Q 78 For more information on actions described above contact
Laura Sampliner Sustainability and Energy Coordinator lsampliner@portmoody.ca (604)-469-4634

Programs, Partnerships and Funding Opportunities

Local governments often rely on programs, partnerships and funding opportunities to achieve their climate action goals. Please share the names of programs and organizations that have supported your local government's climate actions by listing each entry in the box below separated by a forward slash (e.g. program1/program2).

Mitigation

Q 79 Mitigation Programs, Partnerships and Funding
<ul style="list-style-type: none"> Canada/BC: Clean Water and Wastewater Fund

- Metro Vancouver Regional Engineers Advisory Committee – Climate Protection Subcommittee
- Community Energy Association – BC Energy Step Code Strategy

Adaptation

Q 80 Adaptation Programs, Partnerships and Funding

- BC Hydro Sustainable Communities Program
- Metro Vancouver Regional Engineers Advisory Committee – Climate Protection Subcommittee

2018 CARBON NEUTRAL REPORTING

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

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

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

Reporting Emissions

Q 81 Did your local government measure corporate GHG emissions for 2018?	Yes
Q 82 If your local government measured 2018 corporate GHG emissions, please report the number of corporate GHG emissions from services delivered directly by your local government (in tonnes of carbon dioxide equivalent)	1,678.81 tCO₂e
Q 83 If your local government measured 2018 corporate GHG emissions, please report the number of corporate GHG emissions from contracted services (in tonnes of carbon dioxide equivalent)	120.29 tCO₂e

Q 84 TOTAL A: CORPORATE GHG EMISSIONS FOR 2018 (Direct GHGs + Contracted GHGs)	1,799.10 tCO₂e
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Reporting Reductions and Offsets

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

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

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

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

OPTION 1 PROJECTS	REDUCTIONS
Q 85 Energy Efficient Retrofits (in tonnes of carbon dioxide equivalent (tCO₂e))	
Q 86 Solar Thermal (in tonnes of carbon dioxide equivalent (tCO₂e))	
Q 87 Household Organic Waste Composting (in tonnes of carbon dioxide equivalent (tCO₂e))	401 tCO₂e
Q 88 Low Emission Vehicles (in tonnes of carbon dioxide equivalent (tCO₂e))	
Q 89 Avoided Forest Conversion (in tonnes of carbon dioxide equivalent (tCO₂e))	
Q 90 TOTAL B: REDUCTIONS FROM ALL OPTION 1 PROJECTS FOR 2018	401 tCO₂e

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

Option 2 Project Name	REDUCTIONS
Option 2 GHGs Reduced (tCO₂e)	

Option 2 Project Name	
Option 2 GHGs Reduced (tCO ₂ e)	
Option 2 Project Name	
Option 2 GHGs Reduced (tCO ₂ e)	
Q 92 TOTAL C: REDUCTIONS FROM ALL OPTION 2 PROJECTS FOR 2018	0 tCO₂e

Offsets

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

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

Offset Provider Name	OFFSETS
Offsets (tCO ₂ e)	
Offset Provider Name	
Offsets (tCO ₂ e)	
Q 94 TOTAL D: OFFSETS PURCHASED FOR 2018	0 tCO₂e

Q 95 TOTAL REDUCTIONS AND OFFSETS FOR 2018 (Total B+C+D) = 401 tCO₂e

Corporate GHG Emissions Balance for 2018

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 2018 = (A – (B+C+D)) = 1,398.10 tCO₂e



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

Q 97 If your local government was carbon neutral in 2018, please record any emissions reductions you will be carrying over for future years and the source of the reductions, including the year they were earned (e.g. organics diversion, 2018 100 tCO₂e)

SOURCE OF CARRY OVER EMISSION REDUCTIONS (and year earned)	REDUCTIONS
Q 98 BALANCE OF REDUCTIONS ELIGIBLE FOR CARRY OVER TO NEXT YEAR	0 tCO₂e

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

GCC CLIMATE ACTION RECOGNITION PROGRAM

Green Communities Committee Climate Action Recognition Program

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

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

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



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

Level 3 – Accelerating Progress on Charter Commitments: For those local governments who have achieved Level 1 and 2 and have demonstrated undertaking significant action (corporately or community wide) to reduce GHG emissions in the reporting year (e.g. through undertaking a GHG reduction project, purchasing offsets, establishing a reserve fund).

Level 4 - Achievement of Carbon Neutrality: For local governments who achieve carbon neutrality in the reporting year.

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

<input type="checkbox"/>	Level 1 – Demonstrating Progress on Charter Commitments	
<input type="checkbox"/>	Level 2 – Measuring GHG Emissions	
<input checked="" type="checkbox"/>	Level 3 – Accelerating Progress on Charter Commitments	✓
<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:
Moody Centre Transit-Oriented Development Plan Coronation Park Neighbourhood Plan (TOD Plan) Master Transportation Plan implementation (with significant mode shift targets) Building Energy Performance Guidelines Sustainability Report Card Solid waste reduction and diversion program Climate Action Committee Low Carbon Resilience Climate Action Plan



Appendix D: Sample Contracted Emissions Template

Reporting Year: 2018

This form is also available online at <http://www.toolkit.bc.ca/carbon-neutral-government>. Local governments may choose alternate formats to the templates provided; however the substance must be the same as those provided in the sample templates.

Local Government Information			
Name of local government	City of Port Moody		
Designate Appointed to Sign Off on Estimation Template	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) Paul Rockwood Name General Manager, Finance and Technology Department Title 604-469-4504 Phone prockwood@portmoody.ca Email		
Estimation Methodology Information			
Rationale for Applying an Estimation Methodology	Describe why an estimation methodology is being used rather than reporting actual emissions data as provided by the contractor Estimations provided by contractors.		
Contracted Emissions			
For each contract, indicate (1) the name and value of the contract (2) the estimation methodology option(s) used, and (3) the estimated annual emissions associated with each contract, organized by traditional service area. Estimation Methodologies Option 1: Ask Your Contractor for an Estimate Option 2: Proxy Fuel Consumption Value Based on a Sample of Contracts Option 3: Vehicle/Equipment Type and Hours or Kilometers of Usage			
Drinking, Storm and Wastewater	CONTRACT NAME	ESTIMATION OPTION USED	ESTIMATED ANNUAL GHGS
	n/a		

	TOTAL ANNUAL CONTRACTED EMISSIONS FOR TRADITIONAL SERVICE AREA		
Solid Waste Collection, Transportation and Diversion	CONTRACT NAME	ESTIMATION OPTION USED	ESTIMATED ANNUAL GHGS
	Hughes Trucking	Option 1	12.99
	Waste Connections of Canada	Option 1	12.60
	TOTAL ANNUAL CONTRACTED EMISSIONS FOR TRADITIONAL SERVICE AREA		25.59
Roads and Traffic Operations	CONTRACT NAME	ESTIMATION OPTION USED	ESTIMATED ANNUAL GHGS
	ATS Traffic - British Columbia Ltd	Option 1	.21
	Blackrete Paving Ltd	Option 1	2.30
	Cobra Electric Ltd	Option 1	7.21
	Mainland Construction Materials	Option 1	3.99
	Mainroad Lower Mainland Contracting	Option 1	7.77
	Scottish Line Painting	Option 1	3.63
	Standard Electric BC Ltd	Option 1	1.07
	TOTAL ANNUAL CONTRACTED EMISSIONS FOR TRADITIONAL SERVICE AREA		26.18
Arts, Recreation and Cultural Services	CONTRACT NAME	ESTIMATION OPTION USED	ESTIMATED ANNUAL GHGS
	Treeko Contracting Ltd	Option 1	10.62
	Tree-Mendous Arb Care	Option 1	48.72
	Western Weed Control	Option 1	8.11
	TOTAL ANNUAL CONTRACTED EMISSIONS FOR TRADITIONAL SERVICE AREA		67.45
Fire Protection	CONTRACT NAME	ESTIMATION OPTION USED	ESTIMATED ANNUAL GHGS
	A.W. Fireguard Supplies	Option 1	1.07
	TOTAL ANNUAL CONTRACTED EMISSIONS FOR TRADITIONAL SERVICE AREA		1.07

Estimated Contracted Emissions: Authorization and Sign Off

The information provided in this Contracted Emissions template is to the best of my knowledge correct and complete.



Designate Signature

General Manager, Finance and Technology Department

Title

May 30, 2019

Date