



City of Coquitlam Climate Action Survey 2015

Climate Action Revenue Incentive Program
(CARIP) Public Reporting

May 30, 2016

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2015 CARIP Climate Action/Carbon Neutral Progress Survey

Community Actions: Actions undertaken to reduce GHG emissions in the community at-large, i.e. not related to corporate operations.

Corporate Actions: Actions undertaken to reduce GHG emissions produced as a result of a local government’s delivery of “traditional services”, including fire protection, solid waste management, recreational/cultural services, road and traffic operations, water and wastewater management, and local government administration.

Broad Planning

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

COMMUNITY-WIDE BROAD PLANNING - 2015 ACTIONS

Variable	Response
2015 Community-Wide Broad Planning Actions	Engaged consultant and cross departmental staff to update Community GHG Strategy and develop implementation plan.
2015 Community-Wide Broad Planning Actions	Completed Phase 1 and started Phase 2 of the Northwest Burke Vision planning process.
2015 Community-Wide Broad Planning Actions	Continued progress on the Burquitlam-Lougheed Neighbourhood Plan update. Community engagement actions included: information sessions, online survey, public advisory group, Commercial Property Owners workshop, Neighbourhood Association meetings, presented to the Multiculturalism Advisory Committee, and engaged with the City of Burnaby.
2015 Community-Wide Broad Planning Actions	Continued to develop and refine plans for Partington Creek Village Centre as a mixed-use neighbourhood centre consisting of a range of commercial uses and a mix of housing types on Burke Mountain. Community engagement actions included: Property Owners Group meeting, Project Advisory Group meeting, presented to the Sustainability & Environmental Advisory Committee, and

presented to the Coquitlam River Aggregate Roundtable.

COMMUNITY-WIDE BROAD PLANNING - ACTIONS PROPOSED FOR 2016

Variable	Response
2016 Community-Wide Broad Planning Proposed Actions	Continue working with consultant to update Community GHG Strategy and develop implementation plan.
2016 Community-Wide Broad Planning Proposed Actions	Increase outreach activities to promote awareness and action towards mitigating climate change. The City will host the Empower Me and Emotive programs. Empower Me is designed to encourage energy reduction at home, while Emotive promotes the use of electric vehicles.
2016 Community-Wide Broad Planning Proposed Actions	Work towards completion of the update to the Burquitlam-Lougheed Neighbourhood Plan. Initiate updates to the City Centre Area Plan.
2016 Community-Wide Broad Planning Proposed Actions	Continue progress on the Partington Creek Village Centre and Phase 2 of the Northwest Burke Vision planning process. Continue to engage citizens in the planning process during NBV community information sessions and define areas for development that respect the natural landscape features, are contiguous with existing development and servicing, and promote the preservation of open spaces and environmentally sensitive areas.
2016 Community-Wide Broad Planning Proposed Actions	Initiate the review of the Housing Choices program – A process to explore infill opportunities for different housing types. Engage citizens in the review of the program through a community information session, public survey and workshops with local stakeholders.

CORPORATE

CORPORATE BROAD PLANNING - 2015 ACTIONS

Variable	Response
2015 Corporate Broad Planning Actions	Engaged consultant to facilitate the development of new Corporate energy and emissions targets beyond 2015.
2015 Corporate Broad Planning Actions	For its fifth consecutive year, implemented a workplace conservation and awareness (WCA) program. This is driven by the cross-departmental Carbon Cutters team; it includes both awareness and operational initiatives aimed at fostering a culture of conservation while reducing the City's Corporate Carbon footprint.
2015 Corporate	Continued to employ a permanent full-time Energy Manager and a temporary full-

Broad Planning
Actions |

time Energy Specialist with the main scope of work focused on energy and climate action. Maintained the Carbon Cutters team - the City's multi-departmental climate action stewardship team.

CORPORATE BROAD PLANNING - ACTIONS PROPOSED FOR 2016

Variable	Response
2016 Corporate Broad Planning Proposed Actions	Establish new Corporate energy and emissions targets beyond 2015. Involve senior management in developing feasible targets through workshops and open feedback loops.
2016 Corporate Broad Planning Proposed Actions	Continue implementing WCA program.
2016 Corporate Broad Planning Proposed Actions	Continue to develop and implement the Strategic Energy Management Plan, which outlines the projects and strategy to achieve further energy reductions.

SNAPSHOT QUESTIONS

Does your local government set aside funds in a climate reserve fund or something similar?

Yes

Does your local government have a corporate GHG reduction plan?

Yes

What is your current GHG reduction target (s) as identified in your OCP or RGS?

Reduce Community Per Capita GHG emissions 30% below 2007 levels by 2021. Reduce overall Community GHG emissions 15% below 2007 levels by 2031. Reduce Corporate GHG emissions 30% below 2007 levels by 2015

Has your local government used the Community Energy and Emissions Inventory (CEEI) to measure progress?

Yes

What plans, policies or guidelines govern the implementation of climate mitigation in your community?

- Energy and Emissions Plan
- Community-Wide Action Plan
- OCP

Building and Lighting

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

COMMUNITY-WIDE BUILDING AND LIGHTING - 2015 ACTIONS

Variable	Response
2015 Community-Wide Building and Lighting Actions	Supported two energy outreach programs at the City Centre Library and Place des Arts that provided education to both staff and community members.
2015 Community-Wide Building and Lighting Actions	Continued to implement mixed-use and apartment residential development around future Evergreen Line station areas, including City Centre, Lougheed and Burquitlam to support greater use of transit.
2015 Community-Wide Building and Lighting Actions	Completed the update of the Industrial Zones to allow for a greater range of uses promoting the intensification of industrial land.
2015 Community-Wide Building and Lighting Actions	Completed Phase 1 and started Phase 2 of the Northwest Burke Vision planning process.
2015 Community-Wide Building and Lighting Actions	Continued progress on the Burquitlam- Lougheed Neighbourhood Plan update which includes higher levels of housing density.

COMMUNITY-WIDE BUILDING AND LIGHTING - ACTIONS PROPOSED FOR 2016

Variable	Response
2016 Community-Wide Building and Lighting Proposed Actions	Establish Small Business Energy pilot to raise awareness about rebate programs and energy conservation. Provide training to front line staff to encourage resident and business use of energy efficiency programs.
2016 Community-Wide Building and Lighting Proposed Actions	Partner on the “Empower Me” outreach program to deliver in-language energy conservation and environmental education to new residents.
2016 Community-Wide Building and Lighting Proposed Actions	Work towards completion of the update to the Burquitlam and Lougheed Neighbourhood Plans. Continue to engage citizens in the planning process and promote development of transit-oriented communities consisting of mixed land uses and diverse housing opportunities.
2016 Community-Wide Building and Lighting Proposed Actions	Continue progress on Phase 2 of the Northwest Burke Vision planning process.

CORPORATE

CORPORATE BUILDING AND LIGHTING - 2015 ACTIONS

Variable	Response
2015 Corporate Building and Lighting Actions	Implemented a major lighting upgrade project in 3 civic buildings resulting in 400,000 kWh annual savings.
2015 Corporate Building and Lighting Actions	Replaced 2 large boilers in Evergreen Cultural Centre with a modulating high-efficiency boiler system saving 500 GJ annually.
2015 Corporate Building and Lighting Actions	Completed a lighting retrofit in Place des Arts building saving 60,000 kWh.
2015 Corporate Building and Lighting Actions	Performed lighting assessments at Austin Works Yard and the City Centre Library.
2015 Corporate Building and Lighting Actions	Completed construction of an energy sharing system at City Centre Campus .

CORPORATE BUILDING AND LIGHTING - ACTIONS PROPOSED FOR 2016

Variable	Response
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2016 Building and Lighting Proposed Actions	Upgrade Boiler at Poirier Community Centre to high-efficiency model.
2016 Building and Lighting Proposed Actions	Install energy efficient interior and exterior lighting at Austin Works Yard.
2016 Building and Lighting Proposed Actions	Pilot LED Street Lighting and define a city-wide retrofit strategy.
2016 Building and Lighting Proposed Actions	Install energy efficient lighting in the interior of Poirier Sports and Leisure Complex, and the exterior of Dogwood Pavilion and Poirier Admin.
2016 Building and Lighting Proposed Actions	Install LED technology at Mackin Park tennis courts.

Energy Generation

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.

CORPORATE

CORPORATE ENERGY GENERATION - ACTIONS PROPOSED FOR 2016

Variable	Response
2016 Energy Generation Proposed Actions	Investigate options for adding renewable energy systems in different outdoor applications.

SNAPSHOT QUESTIONS

Is your local government developing or constructing...

- None of the above

Is your local government operating...

- A district energy system

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? <http://www.toolkit.bc.ca/tool/integrated-resource-recovery-irr>

Yes

Greenspace

GREENSPACE ACTIONS

Greenspace refers to parks and greenways, boulevards, community forests, urban agriculture, riparian areas, gardens, recreation/school sites, and other green spaces, such as remediated brownfield/contaminated sites.

COMMUNITY-WIDE

COMMUNITY-WIDE GREENSPACE - 2015 ACTIONS

In the following section, please identify up to five community-wide Greenspace actions taken in 2015 (one action per box). There is a separate box for additional actions that you may want to report.

2015 Community-Wide Greenspace Actions

Variable	Response
2015 Community-Wide Greenspace Actions	2790 native trees and shrubs were planted as part of the restoration of 7200 square meters of forest habitat.
2015 Community-Wide Greenspace Actions	City held a record-breaking weed pull with over 800 volunteers pulling invasive plants in Mundy Park over a 24 hour period.
2015 Community-	Staff attended City events including Canada Day events and local

Wide Greenspace Actions	farmers markets to educate the public about invasive plants and their impact on our forested habitats.
2015 Community-Wide Greenspace Actions	The City sponsors 2 community gardens and supports a third garden on municipal parkland.
2015 Community-Wide Greenspace Actions	A number of parks programs are offered to teach residents about urban agriculture.

Additional Community-Wide Greenspace Actions Taken in 2015

- Produce is grown at the Inspiration Garden, with the help of community volunteers, and donated back to the community.

COMMUNITY-WIDE GREENSPACE - ACTIONS PROPOSED FOR 2016

Variable	Response
2016 Community-Wide Greenspace Proposed Actions	Restore and plant a comparable area of forest habitat as the previous year.
2016 Community-Wide Greenspace Proposed Actions	Implement the Neighbourhood Tree Days program where a City representative will attend local neighbourhood block parties to plant trees on private and public property and generally educate the residents about proper tree care.
2016 Community-Wide Greenspace Proposed Actions	For Coquitlam’s 125th anniversary, the City will be conducting a pilot edible garden project “The Coquitlam Munch.”
2016 Community-Wide Greenspace Proposed Actions	Continue to sponsor community gardens and offering urban agriculture programs.

CORPORATE

CORPORATE GREENSPACE - 2015 ACTIONS

Variable	Response
2015 Corporate Greenspace Actions	Completed an invasive plant inventory of parkland.
2015 Corporate Greenspace Actions	Completed the Mundy Park Forest Management Plan.

CORPORATE GREENSPACE - ACTIONS PROPOSED FOR 2016

Variable	Response
2016 Greenspace Proposed Actions	Use the invasive plant inventory to prioritize and remove invasive plants in parkland.
2016 Greenspace Proposed Actions	Implement some aspects of the Mundy Park Forest Management Plan, including invasive plant removal, trail re-assignment and wildfire fuel management and species at risk habitat enhancement projects.

SNAPSHOT QUESTION

Does your local government have urban forest policies, plans or programs?

Yes

Solid Waste

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

COMMUNITY-WIDE SOLID WASTE - 2015 ACTIONS

Variable	Response
2015 Community-Wide Solid Waste Actions	Implemented pilot project testing the efficacy of wildlife resistant gravity locking devices on green carts and garbage carts as an alternative to the wildlife clips.
2015 Community-Wide Solid Waste Actions	Revised the Solid Waste Bylaw to improve clarity and enforceability of provisions (e.g. waste diversion requirements).
2015 Community-Wide Solid Waste Actions	Launched public communication campaigns to educate residents on the need to separate wastes (green waste, recyclables and garbage).
2015 Community-Wide Solid Waste Actions	Escalated the enforcement of cross-contamination of green carts and garbage carts to ensure a high rate of residential waste diversion.

2015 Community-Wide Solid Waste Actions	Implemented an award-winning school program, developed by staff, to provide waste reduction educational presentations and activities tailored for different grade levels.
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COMMUNITY-WIDE SOLID WASTE - ACTIONS PROPOSED FOR 2016

Variable	Response
2016 Community-Wide Solid Waste Proposed Actions	Provide residents of new homes with varying cart size options for garbage and organics. Continue to provide new these new residents with educational materials; similar to information provided to existing residents during the 2014 system rollout.
2016 Community-Wide Solid Waste Proposed Actions	Test the efficacy of the gravity locking devices.
2016 Community-Wide Solid Waste Proposed Actions	Increase enforcement of the Solid Waste Management bylaw to improve waste diversion and decrease contamination of the organics stream.
2016 Community-Wide Solid Waste Proposed Actions	Continue to update and revise the Solid Waste Bylaw.
2016 Community-Wide Solid Waste Proposed Actions	Review and revise the curriculum for the award-winning school program to extend the program to a broader age range and to other youth groups outside of schools (e.g scouts, brownies, etc.)

CORPORATE

CORPORATE SOLID WASTE - 2015 ACTIONS

Variable	Response
2015 Corporate Solid Waste Actions	Completed installation of outdoor fencing at all civic facilities to house new recycling and organics bins, prevent illegal dumping and reduce contamination of waste streams.
2015 Corporate Solid Waste Actions	Completed installation of outdoor fencing at all civic facilities to house new recycling and organics bins, prevent illegal dumping and reduce contamination of waste streams.
2015 Corporate Solid Waste Actions	Completed waste audits for facilities in phase 1 of the new recycling and organics program roll-out.

2015 Corporate Solid Waste Actions	Provided all major civic facilities with new waste, organics and recycling bins to encourage waste separation, secure fencing installed where necessary.
2015 Corporate Solid Waste Actions	Recruited waste Ambassadors from each civic facility to assist in continuing promotion of the new recycling system.

CORPORATE SOLID WASTE - ACTIONS PROPOSED FOR 2016

Variable	Response
2016 Solid Waste Proposed Actions	Improve and update the enhanced recycling programs in City Facilities based on feedback received throughout 2015 and waste audits to be completed by City staff.
2016 Solid Waste Proposed Actions	Conduct follow-up waste audits in civic facilities to evaluate achievement of program goals.
2016 Solid Waste Proposed Actions	Improve communications materials specific to each facility to increase waste diversion by staff and patrons.
2016 Solid Waste Proposed Actions	Continue to educate staff and public to sort organics and recyclables from the waste stream. Promote activities and contests at individual facilities through on site waste Ambassadors.

SNAPSHOT QUESTIONS

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

Transportation

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

COMMUNITY-WIDE TRANSPORTATION - 2015 ACTIONS

Variable	Response
2015 Community-Wide Transportation Actions	Increased bike route infrastructure by 6.3km for a total of 50.1km of bike lanes, multi-use pathways, local bikeways and marked wide curb lanes.
2015 Community-Wide Transportation Actions	Amended the Subdivision and Development Servicing Bylaw to include multi-modal street design requirements.
2015 Community-Wide Transportation Actions	Worked with Modo to expand its Coquitlam car-sharing fleet from 1 vehicle to 4 vehicles (2 in Burquitlam-Lougheed and 2 in the City Centre)
2015 Community-Wide Transportation Actions	Offered four subsidized Ride the Road courses for 41 children aged 3 to 12 that were conducted by HUB in Coquitlam.
2015 Community-Wide Transportation Actions	In partnership with TravelSmart, HASTe and other stakeholders, conducted school travel planning at Coquitlam’s middle schools to assess infrastructure needs and encourage sustainable transportation.

Additional Community-Wide Transportation Actions Taken in 2015

- Approximately 1.9 km of new sidewalks were constructed.
- City of Coquitlam publicly supported a Yes vote for the 2015 Transportation & Transit plebiscite.
- Promoted sustainable transportation at Coquitlam’s Canada Day and Welcome to Coquitlam events.
- Sponsored 3 cycling commuter stations during Bike to Work Week in May (2) and October (1).

- Offered Ride the Road courses for a total of 36 classes in four of Coquitlam’s middle schools.
- Provincial cycling infrastructure grant was awarded.
- Installed a public electric vehicle charging station in the City Hall parkade in March 2015.

COMMUNITY-WIDE TRANSPORTATION - ACTIONS PROPOSED FOR 2016

Variable	Response
2016 Community-Wide Transportation Proposed Actions	Continue expanding bike routes and sidewalk infrastructure.
2016 Community-Wide Transportation Proposed Actions	Encourage the development of car-sharing in the City Centre and around future Evergreen Line stations.
2016 Community-Wide Transportation Proposed Actions	Work with TravelSmart to promote sustainable transportation at events in the City (e.g. Kaleidoscope multicultural fair).
2016 Community-Wide Transportation Proposed Actions	Work with TransLink to promote awareness of the Evergreen Line that will open in early 2017.
2016 Community-Wide Transportation Proposed Actions	Continue to sponsor commuter stations for Bike to Work Week. Continue to offer Ride the Road courses. Offer a public bike maintenance workshop conducted by HUB at Poirier Library in May 2016.

CORPORATE

CORPORATE TRANSPORTATION - 2015 ACTIONS

In the following section, please identify up to five corporate Transportation actions taken in 2015 (one action per box). There is a separate box for additional actions that you may want to report.

2015 Corporate Transportation Actions

Variable	Response
2015 Corporate Transportation Actions	Established an electric vehicle in the City Hall parkade as the first carpool vehicle available to staff for City business use.
2015 Corporate Transportation Actions	Continued to enforce anti-idling policy using GPS tracking and issuing reports to the user’s department.
2015 Corporate Transportation	Continued to right-size fleet and replace existing vehicles with

Actions	hybrids when lease expires.
2015 Corporate Transportation Actions	Promoted staff participation in Bike to Work Week.
2015 Corporate Transportation Actions	Promoted staff participation in the Commuter Challenge.

Additional Corporate Transportation Actions Taken in 2015

- Offered a cycling primer workshop for staff conducted by HUB at Glen Pine Pavilion in May 2015.
- Offered a bike maintenance workshop for staff conducted by HUB at Poirier Recreation Centre in May 2015.
- Added a plug-in hybrid electric vehicle to the Fire fleet.

CORPORATE TRANSPORTATION - ACTIONS PROPOSED FOR 2016

Variable	Response
2016 Transportation Proposed Actions	Develop a Corporate Employee Sustainable Commute Program for commuting to work as well as during work hours. Promotion of car-sharing, use of transit, cycling and walking to alleviate demand on current parking supply and reducing parking pressures for Coquitlam’s City Centre.
2016 Transportation Proposed Actions	Continue to promote usage of the electric vehicle by staff.
2016 Transportation Proposed Actions	Continue to promote anti-idling policy and track through GPS.
2016 Transportation Proposed Actions	Continue to right-size fleet and replace existing vehicles with hybrids or plug-in hybrid electric vehicles where possible.
2016 Transportation Proposed Actions	Offer a bike maintenance workshop for staff conducted by HUB at Glen Pine Pavilion in May 2016. Continue to promote Bike to Work Week and Commuter Challenge.

SNAPSHOT QUESTIONS

Does your local government have policies, plans or programs to support:

<ul style="list-style-type: none"> • Walking • Cycling
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- Transit
- Electric Vehicles

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 have policies, plans or programs to support local food production (thus reducing transportation emissions)?

Yes

Water and Wastewater

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

COMMUNITY-WIDE WATER AND WASTEWATER - 2015 ACTIONS

Variable	Response
2015 Community-Wide Water and Wastewater Actions	Enforced summer watering restrictions based on the regional Water Shortage Response Plan (WSRP). In 2015, the City issued 193 warnings and 208 ticketed fines for watering violations under the WSRP Bylaw, between June 1 and October. Over 70% of the ticketed fines were issued in Stage 3 watering restrictions and cost \$300 each.
2015 Community-Wide Water and Wastewater Actions	Delivered water conservation outreach through door-to-door interaction and at local outreach events.
2015 Community-Wide Water and Wastewater Actions	Collaborated with Tri-Cities municipalities to develop a European Chafer Beetle education campaign that includes water wise and lawn care guidelines.

2015 Community-Wide Water and Wastewater Actions	Instilled requirement for new developments to install landscapes with sufficient topsoil depth as a rainwater management measure.
2015 Community-Wide Water and Wastewater Actions	Hosted BC Water Week in Coquitlam (and collaborated with Metro Vancouver to host public Coquitlam watershed tours)

Additional Community-Wide Water and Wastewater Actions Taken in 2015

- The City implemented a pilot clothes washer appliance rebate program in partnership with BC Hydro.
- The City offers at-cost sales of rain barrels, water wise kits, and electronic water timers as water conservation tools for the public.
- City staff implemented a pilot rain barrel truckload sale event held in May 2015.
- City staff hosts educational workshops at the City’s “Inspiration Garden” to promote water wise gardening.
- The City sponsors five water conservation school programs at Coquitlam schools every year.

COMMUNITY-WIDE WATER AND WASTEWATER - ACTIONS PROPOSED FOR 2016

Variable	Response
2016 Community-Wide Water and Wastewater Proposed Actions	Continue implementing all actions from 2015.

CORPORATE

CORPORATE WATER AND WASTEWATER - 2015 ACTIONS

Variable	Response
2015 Corporate Water and Wastewater Actions	Amended the City’s Water Shortage Response Plan (WSRP) Bylaw to adopt an escalating fine structure, in order to strengthen enforcement of the summer watering restrictions.
2015 Corporate Water and Wastewater Actions	City staff attended a Water Conservation Practices Workshop in November 2015 as part of Metro Vancouver’s project to design and implement regional water efficiency initiatives.
2015 Corporate Water and Wastewater Actions	Worked on upgrading existing irrigation systems to help minimize leaks and detect rain events.

2015 Corporate Water and Wastewater Actions	Continued the ongoing leak detection program; consisting of acoustic leak monitors deployed year-round. The City sweeps 250,000 m of water mains each year.
2015 Corporate Water and Wastewater Actions	Continued to Deploy seasonal water conservation bylaw officers from May to September/October to deliver outreach/education and to enforce the annual watering restrictions.

Additional Corporate Water and Wastewater Actions Taken in 2015

- City staff participates in regular Municipal Water Conservation Coordinators’ Committee meetings to ensure consistent outreach messages and collaborate on water conservation initiatives.
- The City enforces compliance with the BC Building Code through plumbing inspections.
- City funds a water conservation program budget each year.
- The City developed an inflow & infiltration program to mitigate unwanted water from entering the sanitary sewer system. Infiltration trenches or roadside swales were used in all roads, and pervious pavement and parking lot or median bioswales were used on select sites.

CORPORATE WATER AND WASTEWATER - ACTIONS PROPOSED FOR 2016

Variable	Response
2016 Water and Wastewater Proposed Actions	Amend the City’s Water Shortage Response Plan (WSRP) Bylaw in spring 2016 in accordance with Metro Vancouver’s amendments to the regional WSRP, to update and improve the effectiveness of the annual watering restrictions.
2016 Water and Wastewater Proposed Actions	Plan a civic facility water audit will begin in 2016.
2016 Water and Wastewater Proposed Actions	Complete lawn alternative trials on City land to test performance of drought and pest-tolerant plants.
2016 Water and Wastewater Proposed Actions	Continue to upgrade existing irrigation systems including the installation of a solar powered system.
2016 Water and Wastewater Proposed Actions	Continue implementing actions from 2015.

SNAPSHOT QUESTION

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

Yes

Adaptation

CLIMATE CHANGE ADAPTATION ACTIONS

For local governments, adaptation to a changing climate can take the form of changes in policy, management, technology and behaviour that minimize negative impacts or exploit opportunities. It can involve both “hard” and “soft” solutions, including: changes in infrastructure engineering, planning, zoning, bylaws and public education.

COMMUNITY-WIDE

COMMUNITY-WIDE ADAPTATION - 2015 ACTIONS

Variable	Response
2015 Community-Wide Adaptation Actions	Implemented water restriction monitoring, issuing 208 tickets for non-compliance. Water conservation team also educates public at events.
2015 Community-Wide Adaptation Actions	The City’s Rainwater Management Requirements are helping the City to adapt to an increase in quantity and frequency of rainfall anticipated from climate change. Requirements to capture and infiltrate rainfall are applied to all new developments.
2015 Community-Wide Adaptation Actions	The City’s Building Better program recognizes innovative and progressive development approaches. The City uses sustainable building approaches and purpose built features to promote a healthy environment and adapt to climate change and recognizes builders and developers who do the same. Building better helps to reduce greenhouse gases, uses less energy, improves water quality and reduces erosion in creeks and rivers, reduces heat island effect, provides healthy aquatic habitat, and protects watershed health.

COMMUNITY-WIDE ADAPTATION - ACTIONS PROPOSED FOR 2016

Variable	Response
2016 Community-Wide Adaptation Proposed Actions	Continue implementing actions from 2015.

CORPORATE

CORPORATE ADAPTATION - 2015 ACTIONS

Variable	Response
2015 Corporate Adaptation Actions	Developed integrated watershed management plans for all urban watersheds. IWMPs balance land development, engineering and environmental objectives to preserve watershed health. The plans incorporate actions that support ecosystem based adaptation to climate change in urban areas.
2015 Corporate Adaptation Actions	Participated in an SFU research project to measure the ecosystem based adaptation afforded by IWMPs. Results of the study will be used to improve climate adaptation goals in subsequent updates to the plans.
2015 Corporate Adaptation Actions	Implemented sustainable building approaches and purpose built features to promote a healthy environment and adapt to climate change. Examples include: pervious asphalt, rain gardens, and bioswales.

SNAPSHOT QUESTIONS

Are you familiar with the Plan2Adapt guidance located on the Climate Action Toolkit Website? <http://www.toolkit.bc.ca/Resource/Plan2Adapt>

Yes

Are you familiar with "Preparing for Climate Change - An Implementation Guide for Local Governments in BC? <http://www.toolkit.bc.ca/Resource/Preparing-Climate-Change-Implementation-Guide-Local-Governments-British-Columbia>

Yes

Have you visited the climate change adaptation guidance page on the BC Climate Action Toolkit? <http://www.toolkit.bc.ca/adaptation-challenges-and-opportunities>

Yes

Innovation/Peer Learning

Programs, Partnerships and Funding Opportunities

- BC Hydro Power Smart partnership
- FortisBC's various energy efficiency programs
- Project Eco-West Funding
- The Province's Community Energy Leadership Program (CELP) funding.

Emissions

2015 Carbon Neutral Progress 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 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.

Did you measure your local government's corporate GHG emissions in 2015?

Yes

If your local government measured 2015 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)

4336

If your local government measured 2015 corporate GHG emissions, please report the number of corporate GHG emissions from contracted services:

(in tonnes of carbon dioxide equivalent)

332

Total Corporate GHG Emissions for 2015: 4668.0 tCO₂e

Reductions and Offsets

Reporting Reductions and Offsets

To be carbon neutral, a local government must balance their TOTAL corporate GHG emissions by one or a combination of the following actions: undertake Option 1 Projects (Green Communities Committee (GCC)-supported) undertake Option 2 Projects (alternative) community GHG emissions reduction projects that meet project eligibility requirements purchase carbon offsets from a credible offset provider

Reductions

If applicable, please report the 2015 GHG emissions reductions being claimed from Option 1 GHG Reduction Projects:

Household Organic Waste Composting

(in tonnes of carbon dioxide equivalent (tCO₂e))

2849

2015 OPTION 1 REDUCTIONS = 2849.0 tCO₂e

If applicable, please report the names and 2015 GHG emissions reductions being claimed from Option 2 GHG Reduction Projects:

Option 2 Project Name	GHGs Reduced (tCO ₂ e)
Vancouver Landfill Gas Capture Optimization Project	1853

2015 OPTION 2 REDUCTIONS = 1853.0 tCO₂e

2015 REDUCTIONS AND OFFSETS = 4702.0 tCO₂e

Corporate GHG Emissions Balance for 2015

2015 CORPORATE GHG EMISSIONS BALANCE: -34.0 tCO₂e

Recognition

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 - Progress on Charter Commitments: for local governments who demonstrate progress on fulfilling one or more of their Charter commitments

Level 2 - Measurement: for local governments who have measured their Corporate GHG Emissions for the reporting year and demonstrate that they are familiar with the Community Energy and Emissions Inventory (CEEI)

Level 3 - Achievement of Carbon Neutrality: for local governments who achieve carbon neutrality in the reporting year.

Based on your local government's 2015 Climate Action/Carbon Neutral Progress Survey, please check the GCC Climate Action Recognition Program level that best applies:

Level 3 - Achievement of Carbon Neutrality

LOCAL GOVERNMENT INFORMATION

Variable	Response
LOCAL GOVERNMENT INFORMATION Name of Local Government	Coquitlam, City of

LOCAL GOVERNMENT INFORMATION Name of member Regional District (RD)	Greater Vancouver (Metro)
LOCAL GOVERNMENT INFORMATION Regional Growth Strategy (RGS) in your region	Yes
LOCAL GOVERNMENT INFORMATION Population	100,000+

Submitted by:

Variable	Response
Submitted by: Name	Luisa Mora
Submitted by: Position	Energy Manager
Submitted by: Telephone # (123-456-7890)	604-927-3582
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