

District of West Vancouver
2015 CARIP Climate Action/Carbon Neutral
Progress Survey

LOCAL GOVERNMENT INFORMATION

LOCAL GOVERNMENT INFORMATION Name of Local Government	West Vancouver, The Corporation of the District 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	10,000-49,999

Submitted by:

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Is this your local government's complete and final 2015 Climate Actions Survey?

Yes

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

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

2015 Community-Wide Broad Planning Actions

2015 Community-Wide Broad Planning Actions	Various studies and analyses were initiated to support Official Community Plan (OCP) review.
2015 Community-Wide Broad Planning Actions	An amendment to the OCP to reflect the updated Regional Context Statement was adopted by Council.
2015 Community-Wide Broad Planning Actions	The Upper Lands Working Group completed its review and presented its Final Report to Council on June 22, 2015 meeting. This culminates a multi-year process that studied aspects of development and preservation for a significant area of forested land.
2015 Community-Wide Broad Planning Actions	Began process to develop Community.
2015 Community-Wide Broad Planning Actions	(No response)

Additional Community-Wide Actions Taken in 2015

For those communities that would like to provide additional actions - please list, separated by a forward slash /, any additional community-wide Broad Planning actions in the boxes below (optional).

(No response)

COMMUNITY-WIDE BROAD PLANNING - ACTIONS PROPOSED FOR 2016

In the following section, please identify up to five community-wide Broad Planning actions proposed for 2016 (one action per box).

2016 Community-Wide Broad Planning Proposed Actions

2016 Community-Wide Broad Planning Proposed Actions	Continued studies to inform OCP update process.
2016 Community-Wide Broad Planning Proposed Actions	Climate action and a broad sustainability identified as factors to be considered in the OCP review
2016 Community-Wide Broad Planning Proposed Actions	Upper Lands Working Group recommendations will be used as a framework for the future Cypress Village Area Plan and Trails Plan. Engagement on OCP review ongoing.
2016 Community-Wide Broad Planning Proposed Actions	Opportunities for transit oriented development will be considered through area plans.
2016 Community-Wide Broad Planning Proposed Actions	Develop community energy and emissions plan.

CORPORATE

CORPORATE BROAD PLANNING - 2015 ACTIONS

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

2015 Corporate Broad Planning Actions

2015 Corporate Broad Planning Actions	Update of Strategic Energy Management Plan.
2015 Corporate Broad Planning Actions	Began process to develop corporate energy and emissions plan.
2015 Corporate Broad Planning Actions	(No response)
2015 Corporate Broad Planning Actions	(No response)
2015 Corporate Broad Planning Actions	(No response)

Additional Corporate Actions Taken in 2015

For those communities that would like to provide additional actions - please list, separated by a forward slash /, any additional corporate Broad Planning actions in the boxes below (optional).

(No response)

CORPORATE BROAD PLANNING - ACTIONS PROPOSED FOR 2016

In the following section, please identify up to five community-wide Broad Planning actions proposed for 2016 (one action per box).

2016 Corporate Broad Planning Proposed Actions

2016 Corporate Broad Planning Proposed Actions	Development of corporate sustainability plan.
2016 Corporate Broad Planning Proposed Actions	Complete corporate energy and emissions plan.
2016 Corporate Broad Planning Proposed Actions	(No response)
2016 Corporate Broad Planning Proposed Actions	(No response)
2016 Corporate Broad Planning Proposed Actions	(No response)

SNAPSHOT QUESTIONS

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

No

Does your local government have a corporate GHG reduction plan?

No

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

33% below 2007 levels by 2020 and 80% by 2050

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

No

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

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

In the following section, please identify up to five community-wide Building and Lighting 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 Building and Lighting Actions

2015 Community-Wide Building and Lighting Actions	Application for infill on an existing purpose-built rental housing site under review.
2015 Community-Wide Building and Lighting Actions	The OCP review will include significant community engagement over the coming years.
2015 Community-Wide Building and Lighting Actions	Ornamental lighting streetlight conversion pilot project on two blocks.
2015 Community-Wide Building and Lighting Actions	(No response)
2015 Community-Wide Building and Lighting Actions	(No response)

Additional Community-Wide Building and Lighting Actions Taken in 2015

(No response)

COMMUNITY-WIDE BUILDING AND LIGHTING - ACTIONS PROPOSED FOR 2016

In the following section, please identify up to five community-wide Building and Lighting actions proposed for 2016 (one action per box).

2016 Community-Wide Building and Lighting Proposed Actions

2016 Community-Wide Building and Lighting Proposed Actions	Rental Housing Study completed Housing Policy review underway.
2016 Community-Wide Building and Lighting Proposed Actions	Continued review of application for infill on existing purpose-built rental housing site.
2016 Community-Wide Building and Lighting Proposed Actions	Engagement on OCP review ongoing.
2016 Community-Wide Building and Lighting Proposed Actions	Retrofit ornamental street lighting to LEDs on six blocks.
2016 Community-Wide Building and Lighting Proposed Actions	(No response)

CORPORATE

CORPORATE BUILDING AND LIGHTING - 2015 ACTIONS

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

2015 Corporate Building and Lighting Actions

2015 Corporate Building and Lighting Actions	Switched to LED lights in Arena rink, Main Community Centre interior, and Aquatic Centre non-pool rooms.
2015 Corporate Building and Lighting Actions	Conducted engineering study to investigate energy saving options for Aquatic Centre.
2015 Corporate Building and	(No response)

Lighting Actions	
2015 Corporate Building and Lighting Actions	(No response)
2015 Corporate Building and Lighting Actions	(No response)

Additional Building and Lighting Corporate Actions Taken in 2015

For those communities that would like to provide additional actions - please list, separated by a “/”, any additional corporate Building and Lighting actions in the boxes below (optional).

(No response)

CORPORATE BUILDING AND LIGHTING - ACTIONS PROPOSED FOR 2016

In the following section, please identify up to five corporate Broad Planning actions proposed for 2016 (one action per box).

2016 Building and Lighting Proposed Actions

2016 Building and Lighting Proposed Actions	Replace air handling unit in Aquatic Centre pool with more energy efficient model and controls that will also capture exhaust heat; savings in natural gas and electricity consumption.
2016 Building and Lighting Proposed Actions	Upgrade Main Community Centre gymnasium lights to LED.
2016 Building and Lighting Proposed Actions	(No response)
2016 Building and Lighting Proposed Actions	(No response)
2016 Building and Lighting Proposed Actions	(No response)
2016 Building and Lighting Proposed Actions	

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.

COMMUNITY-WIDE

COMMUNITY-WIDE ENERGY GENERATION - 2015 ACTIONS

In the following section, please identify up to five community-wide Energy Generation 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 Energy Generation Actions

2015 Community-Wide Energy Generation Actions	(No response)
2015 Community-Wide Energy Generation Actions	(No response)
2015 Community-Wide Energy Generation Actions	(No response)
2015 Community-Wide Energy Generation Actions	(No response)
2015 Community-Wide Energy Generation Actions	(No response)

Additional Community-Wide Energy Generation Actions Taken in 2015

For those communities that would like to provide additional actions - please list, separated by a forward slash /, any additional community-wide Energy Generation actions in the boxes below (optional).

(No response)

COMMUNITY-WIDE ENERGY GENERATION - ACTIONS PROPOSED FOR 2016

In the following section, please identify up to five community-wide Energy Generation actions proposed for 2016 (one action per box).

2016 Community-Wide Energy Generation Proposed Actions

2016 Community-Wide Energy Generation Proposed Actions	(No response)
2016 Community-Wide Energy Generation Proposed Actions	(No response)
2016 Community-Wide Energy Generation Proposed Actions	(No response)
2016 Community-Wide Energy Generation Proposed Actions	(No response)
2016 Community-Wide Energy Generation Proposed Actions	(No response)

CORPORATE

CORPORATE ENERGY GENERATION - 2015 ACTIONS

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

2015 Corporate Energy Generation Actions

2015 Corporate Energy Generation Actions	(No response)
2015 Corporate Energy Generation Actions	(No response)
2015 Corporate Energy Generation Actions	(No response)
2015 Corporate Energy Generation Actions	(No response)
2015 Corporate Energy Generation Actions	(No response)

Additional Corporate Energy Generation Actions Taken in 2015

For those communities that would like to provide additional actions - please list, separated by a forward slash /, any additional corporate Energy Generation actions in the boxes below (optional).

(No response)

CORPORATE ENERGY GENERATION - ACTIONS PROPOSED FOR 2016

In the following section, please identify up to five community-wide Energy Generation actions proposed for 2016 (one action per box).

2016 Energy Generation Proposed Actions

2016 Energy Generation Proposed Actions	(No response)
2016 Energy Generation Proposed Actions	(No response)
2016 Energy Generation Proposed Actions	(No response)
2016 Energy Generation Proposed Actions	(No response)
2016 Energy Generation Proposed Actions	(No response)

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

2015 Community-Wide Greenspace Actions	Implement Invasive Plants Strategy and invasive plant removal and treatment; rehabilitating areas with native plants.
2015 Community-Wide Greenspace Actions	Obtained carbon credits for forest protection from Whyte Lake Park dedication.
2015 Community-Wide Greenspace Actions	(No response)
2015 Community-Wide Greenspace Actions	(No response)
2015 Community-Wide Greenspace Actions	(No response)

Additional Community-Wide Greenspace Actions Taken in 2015

For those communities that would like to provide additional actions - please list, separated by a forward slash /, any additional community-wide Greenspace actions in the boxes below (optional).

(No response)

COMMUNITY-WIDE GREENSPACE - ACTIONS PROPOSED FOR 2016

In the following section, please identify up to five community-wide Greenspace actions proposed for 2016 (one action per box).

2016 Community-Wide Greenspace Proposed Actions

2016 Community-Wide Greenspace Proposed Actions	Engaging in a two year process to develop a trail plan that will address environmental approaches when building and maintaining trails.
2016 Community-Wide	Continue to seek park lands through development that are

Greenspace Proposed Actions	environmentally important for example Rodgers Creek
2016 Community-Wide Greenspace Proposed Actions	Continue to support community gardens in the parks.
2016 Community-Wide Greenspace Proposed Actions	(No response)
2016 Community-Wide Greenspace Proposed Actions	(No response)

CORPORATE

CORPORATE GREENSPACE - 2015 ACTIONS

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

2015 Corporate Greenspace Actions

2015 Corporate Greenspace Actions	Closed the loop for garden fertilizer by diverting parks green waste from the landfill and purchasing back as fertilizer from local manufacturer.
2015 Corporate Greenspace Actions	Policy review for protection of trees on public property.
2015 Corporate Greenspace Actions	(No response)
2015 Corporate Greenspace Actions	(No response)
2015 Corporate Greenspace Actions	(No response)

Additional Corporate Greenspace Actions Taken in 2015

For those communities that would like to provide additional actions - please list, separated by a forward slash /, any additional corporate Greenspace actions in the boxes below (optional).

(No response)

CORPORATE GREENSPACE - ACTIONS PROPOSED FOR 2016

In the following section, please identify up to five corporate Greenspace actions proposed for 2016 (one action per box).

2016 Greenspace Proposed Actions

2016 Greenspace Proposed Actions	Use of vegetables and fruit in our flower displays & gardens to promote food sustainability.
2016 Greenspace Proposed Actions	Support stewardship groups to restore areas that have been cleared of invasive plants.
2016 Greenspace Proposed Actions	Continue to implement the 2012 Parks Master Plan with emphasis on park dedication bylaws.
2016 Greenspace Proposed Actions	Locally mill fallen wood from forest to create park structures such as steps and bridges for trails.
2016 Greenspace Proposed Actions	Pass interim bylaw to protect trees over certain size on private land while undertaking consultation.

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

In the following section, please identify up to five community-wide Solid Waste 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 Solid Waste Actions

2015 Community-Wide Solid Waste Actions	Implemented strategy to inform and support MF through mandatory food scraps separation.
2015 Community-Wide Solid Waste Actions	Surveyed MF properties to gauge participation in separated food scraps collection programs. Found high rate of compliance.
2015 Community-Wide Solid Waste Actions	Launched process to collect data on local demolition and land clearing debris disposal.
2015 Community-Wide Solid Waste Actions	(No response)
2015 Community-Wide Solid Waste Actions	(No response)

Additional Community-Wide Solid Waste Actions Taken in 2015

For those communities that would like to provide additional actions - please list, separated by a forward slash /, any additional community-wide Solid Waste actions in the boxes below (optional).

(No response)

COMMUNITY-WIDE SOLID WASTE - ACTIONS PROPOSED FOR 2016

In the following section, please identify up to five community-wide Solid Waste actions proposed for 2016 (one action per box).

2016 Community-Wide Solid Waste Proposed Actions

2016 Community-Wide Solid Waste Proposed Actions	Participate in the Community Energy and Emissions Planning process to set waste reduction targets for Multi-family sector.
2016 Community-Wide Solid Waste Proposed Actions	Investigate strategies to reduce waste in parks and other outdoor public spaces. Conduct pilot(s).
2016 Community-Wide Solid Waste Proposed Actions	Refine local demolition and land clearing debris data collection process and expand to further encourage disposal through licensed regional facilities.
2016 Community-Wide Solid Waste Proposed Actions	(No response)
2016 Community-Wide Solid Waste Proposed Actions	(No response)

CORPORATE

CORPORATE SOLID WASTE - 2015 ACTIONS

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

2015 Corporate Solid Waste Actions

2015 Corporate Solid Waste Actions	Strategically expand types of waste streams available in civic buildings (e.g.: allow for separated food scraps collection, improve existing recycling stations).
2015 Corporate Solid Waste Actions	Awarded contract to new recycling collection contractor that uses a larger proportion of trucks fuelled by CNG.
2015 Corporate Solid Waste Actions	(No response)
2015 Corporate Solid Waste Actions	(No response)
2015 Corporate Solid Waste Actions	(No response)

Additional Solid Waste Actions Taken in 2015

For those communities that would like to provide additional actions - please list, separated by a forward slash /, any additional corporate Solid Waste actions in the boxes below (optional).

(No response)

CORPORATE SOLID WASTE - ACTIONS PROPOSED FOR 2016

In the following section, please identify up to five corporate Solid Waste actions proposed for 2016 (one action per box).

2016 Solid Waste Proposed Actions

2016 Solid Waste Proposed Actions	Establish interdepartmental team to work on corporate waste reduction and create management plan.
2016 Solid Waste Proposed Actions	Complete installation of standard bins for main waste streams to improve waste diversion in corporate buildings.
2016 Solid Waste Proposed Actions	Complete compilation of corporate waste data to identify priority target areas for waste reduction.

2016 Solid Waste Proposed Actions	Add collection point for disposal of large volume plastic waste.
2016 Solid Waste Proposed Actions	(No response)

SNAPSHOT QUESTIONS

Does your local government have construction and demolition waste reduction policies, plans or programs?

Yes

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 liveable communities.

COMMUNITY-WIDE

COMMUNITY-WIDE TRANSPORTATION - 2015 ACTIONS

In the following section, please identify up to five community-wide Transportation 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 Transportation Actions

2015 Community-Wide Transportation Actions	Keith Road Traffic Calming – Phase 2 – sidewalk and pedestrian safety improvements.
2015 Community-Wide Transportation Actions	Addition to multi-use Spirit Trail from Gleneagles School to Exit 0.

2015 Community-Wide Transportation Actions	Installation of way finding signage along a 3 km portion of the multi-use Spirit Trail – 13th to 19th Streets.
2015 Community-Wide Transportation Actions	Further installation of bike route signage per Bike Network Plan.
2015 Community-Wide Transportation Actions	Complete draft of Pedestrian Network Study.

Additional Community-Wide Transportation Actions Taken in 2015

For those communities that would like to provide additional actions - please list, separated by a forward slash /, any additional community-wide Transportation actions in the boxes below (optional).

(No response)

COMMUNITY-WIDE TRANSPORTATION - ACTIONS PROPOSED FOR 2016

In the following section, please identify up to five community-wide Transportation actions proposed for 2016 (one action per box).

2016 Community-Wide Transportation Proposed Actions

2016 Community-Wide Transportation Proposed Actions	Completion of Pedestrian Network Study.
2016 Community-Wide Transportation Proposed Actions	Additional portion of multi-use Spirit Trail path – Exit 0 to Royal Avenue.
2016 Community-Wide Transportation Proposed Actions	Installation of 2.4 km Spirit Trail signage – Orchill Road to Exit 0; Exit 0 to Royal Avenue.
2016 Community-Wide Transportation Proposed Actions	Construction of 3rd Street multi-use path to better connect North and West Vancouver.
2016 Community-Wide Transportation Proposed Actions	Horseshoe Bay Streetscape Study – planning of commercial area to include equal priority to active transportation.

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

2015 Corporate Transportation Actions	Replaced two fleet gasoline vehicles with one electric car and one hybrid car.
2015 Corporate Transportation Actions	Replace three police vehicles with models that have more efficient engines.
2015 Corporate Transportation Actions	Replace two dump trucks with Tier 2 diesel engines with Tier 4 vehicles and Certified "Clean Idle" technology that provides for automatic shutdown after 5 minutes of idling.
2015 Corporate Transportation Actions	Replace backhoe with Tier 1 engine with Tier 3 model.
2015 Corporate Transportation Actions	(No response)

Additional Corporate Transportation Actions Taken in 2015

For those communities that would like to provide additional actions - please list, separated by a forward slash /, any additional corporate Transportation actions in the boxes below (optional).

(No response)

CORPORATE TRANSPORTATION - ACTIONS PROPOSED FOR 2016

In the following section, please identify up to five corporate Transportation actions proposed for 2016 (one action per box).

2016 Transportation Proposed Actions

2016 Transportation Proposed Actions	Replace utility vehicle equipped with an internal combustion engine with an electric utility vehicle.
2016 Transportation Proposed Actions	Replace two dump trucks with Tier 2 diesel engines with Tier 4 vehicles and Certified "Clean Idle" technology.
2016 Transportation Proposed Actions	Replace one dump truck with Tier 2 diesel engine with Tier 4 vehicle.
2016 Transportation Proposed Actions	Replace one dump truck with gasoline engine with smaller, more fuel efficient model.
2016 Transportation Proposed Actions	(No response)

SNAPSHOT QUESTIONS

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

Walking
Cycling
Transit
Electric Vehicles
Other, please specify....: Anti-idling bylaw

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)?

No

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

In the following section, please identify up to five community-wide Water and Wastewater 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 Water and Wastewater Actions

2015 Community-Wide Water and Wastewater Actions	Phased in high efficiency clothes washer rebates to replace low flow toilet rebates.
2015 Community-Wide Water and Wastewater Actions	Managed activation of Stage 3 restrictions of the Water Shortage Response Plan during the 2015 regional drought.
2015 Community-Wide Water and Wastewater Actions	Initiated Drinking Water Master Plan, with consultant support.
2015 Community-Wide Water and Wastewater Actions	(No response)
2015 Community-Wide Water and Wastewater Actions	(No response)

Additional Community-Wide Water and Wastewater Actions Taken in 2015

For those communities that would like to provide additional actions - please list, separated by a forward slash /, any additional community-wide Water and Wastewater actions in the boxes below (optional).

(No response)

COMMUNITY-WIDE WATER AND WASTEWATER - ACTIONS PROPOSED FOR 2016

In the following section, please identify up to five community-wide Water and Wastewater actions proposed for 2016 (one action per box).

2016 Community-Wide Water and Wastewater Proposed Actions

2016 Community-Wide Water and Wastewater Proposed Actions	Host one-day rain barrel truckload sale, in partnership with other local municipalities.
2016 Community-Wide Water and Wastewater Proposed Actions	Pilot addition strategies to encourage water conservation, based on lessons learned during activation of the Water Shortage Response Plan during the 2015 drought.
2016 Community-Wide Water and Wastewater Proposed Actions	Enhanced promotion of high efficiency clothes washer rebate program.
2016 Community-Wide Water and Wastewater Proposed Actions	Complete Drinking Water Master Plan, with consultant support.
2016 Community-Wide Water and Wastewater Proposed Actions	Participate in regional process to evaluate and improve the regional WSRP based on lessons learned in 2015.

CORPORATE

CORPORATE WATER AND WASTEWATER - 2015 ACTIONS

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

2015 Corporate Water and Wastewater Actions

2015 Corporate Water and Wastewater Actions	Water conservation through more drought tolerant plants and addition of soil amenders to retain moisture.
2015 Corporate Water and Wastewater Actions	Continue with pump station replacement program to reduce the system's environmental impact from possible overflows, reduce annual operating and maintenance costs, and reduce energy and emissions.
2015 Corporate Water and Wastewater Actions	Initiated Integrated Storm water Management Plan for Vinson, Brother, Hadden Creek.
2015 Corporate Water and Wastewater Actions	(No response)
2015 Corporate Water and Wastewater Actions	(No response)

Additional Corporate Water and Wastewater Actions Taken in 2015

For those communities that would like to provide additional actions - please list, separated by a forward slash /, any additional corporate Water and Wastewater actions in the boxes below (optional).

(No response)

CORPORATE WATER AND WASTEWATER - ACTIONS PROPOSED FOR 2016

In the following section, please identify up to five corporate Water and Wastewater actions proposed for 2016 (one action per box).

2016 Water and Wastewater Proposed Actions

2016 Water and Wastewater Proposed Actions	Initiate Sewer Master Plan, with consultant support.
2016 Water and Wastewater Proposed Actions	Complete Integrated Storm water Management Plan for Vinson, Brother, Hadden Creek.
2016 Water and Wastewater Proposed Actions	Continue with pump station replacement program to reduce the system's environmental impact from possible overflows, reduce annual operating and maintenance costs, and reduce energy and emissions.
2016 Water and Wastewater Proposed Actions	(No response)
2016 Water and Wastewater Proposed Actions	(No response)

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

In the following section, please identify up to five community-wide Adaptation 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 Adaptation Actions

2015 Community-Wide Adaptation Actions	Rodgers Creek Estuary Enhancement project – rebuilt the creek mouth area to enable a more habitat friendly environment for marine life; enhance resiliency of the beach and sea walk.
2015 Community-Wide Adaptation Actions	Ambleside Pier Sub Tidal Reef - creation of a rock reef west of the Pier driven by Shoreline Preservation Society to both complete the works that were originally required when the Ambleside Pier was first built as habitat compensation and also to enhance marine life habitat and help to break waves for shoreline preservation.
2015 Community-Wide Adaptation Actions	(No response)
2015 Community-Wide Adaptation Actions	(No response)
2015 Community-Wide Adaptation Actions	(No response)

Additional Community-Wide Adaptation Actions Taken in 2015

For those communities that would like to provide additional actions - please list, separated by a forward slash /, any additional community-wide Adaptation actions in the boxes below (optional).

(No response)

COMMUNITY-WIDE ADAPTATION - ACTIONS PROPOSED FOR 2016

In the following section, please identify up to five community-wide Adaptation actions proposed for 2016 (one action per box).

2016 Community-Wide Adaptation Proposed Actions

2016 Community-Wide Adaptation Proposed Actions	New Shoreline Management Plan 2020 being developed this year with a consulting firm and greater staff engagement and stakeholder involvement to ensure a coastal wide management approach is taken on the West Vancouver foreshore program.
2016 Community-Wide Adaptation Proposed Actions	Possible feasibility study to determine next steps with Navy jack and Marr Creek Sub tidal reefing to complete the foreshore works that were undertaken on the upper beach realm to continue to enhance the resiliency and marine life components of the WV shoreline.
2016 Community-Wide Adaptation Proposed Actions	Continue assessment of Habitat banking as part of the shoreline programming to ensure marine life habitat continues to be protected in the region.
2016 Community-Wide Adaptation Proposed Actions	(No response)
2016 Community-Wide Adaptation Proposed Actions	(No response)

CORPORATE

CORPORATE ADAPTATION - 2015 ACTIONS

In the following section, please identify up to five corporate Adaptation actions taken in 2015. One action per box. There is a separate box for optional additional 2015 actions your community may want to report.

2015 Corporate Adaptation Actions

2015 Corporate Adaptation Actions	Ambleside Seawalk extension at Millennium Park - take down of old sea wall and enhance shoreline to enable greater capture of beach sediment from west to east.
2015 Corporate Adaptation	Lawson Beach nourishment project to build up the beach with material from the District municipal building project and rework some of the

Actions	original rock gardens to enable greater resiliency and marine life habitat preservation.
2015 Corporate Adaptation Actions	(No response)
2015 Corporate Adaptation Actions	(No response)
2015 Corporate Adaptation Actions	(No response)

Additional Corporate Adaptation Actions Taken in 2015

For those communities that would like to provide additional actions - please list, separated by a forward slash /, any additional corporate Adaptation actions in the boxes below (optional).

(No response)

CORPORATE ADAPTATION - ACTIONS PROPOSED FOR 2016

In the following section, please identify up to five corporate Adaptation actions proposed for 2016 (one action per box).

2016 Adaptation Proposed Actions

2016 Adaptation Proposed Actions	Possible feasibility study of Navvy Jack and Marr Creek sub tidal reefing to complete the foreshore works that were undertaken on the upper beach realm to continue to enhance the resiliency and marine life components of the WV shoreline.
2016 Adaptation Proposed Actions	(No response)
2016 Adaptation Proposed Actions	(No response)
2016 Adaptation Proposed Actions	(No response)
2016 Adaptation Proposed Actions	(No response)

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

Other

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

COMMUNITY-WIDE OTHER - 2015 ACTIONS

In the following section, please identify up to five Community-Wide Other actions taken in 2015 (one action per box).

2015 Community-Wide Other Actions

2015 Community-Wide Other Actions	(No response)
2015 Community-Wide Other Actions	(No response)
2015 Community-Wide Other Actions	(No response)
2015 Community-Wide Other Actions	(No response)
2015 Community-Wide Other Actions	(No response)

COMMUNITY-WIDE OTHER - ACTIONS PROPOSED FOR 2016

In the following section, please identify up to five Community-Wide Other actions proposed for 2016 (one action per box).

2016 Community-Wide Other Proposed Actions

2016 Community-Wide Other Proposed Actions	(No response)
2016 Community-Wide Other Proposed Actions	(No response)
2016 Community-Wide Other Proposed Actions	(No response)
2016 Community-Wide Other Proposed Actions	(No response)
2016 Community-Wide Other Proposed Actions	(No response)

CORPORATE

CORPORATE OTHER - 2015 ACTIONS

In the following section, please identify up to five corporate Other actions taken in 2015 (one action per box).

2015 Corporate Other Actions

2015 Corporate Other Actions	(No response)
2015 Corporate Other Actions	(No response)
2015 Corporate Other Actions	(No response)
2015 Corporate Other Actions	(No response)
2015 Corporate Other Actions	(No response)

CORPORATE OTHER - ACTIONS PROPOSED FOR 2016

In the following section, please identify up to five corporate Other actions proposed for 2016 (one action per box).

2016 Other Proposed Actions

2016 Other Proposed Actions	(No response)
2016 Other Proposed Actions	(No response)
2016 Other Proposed Actions	(No response)
2016 Other Proposed Actions	(No response)
2016 Other Proposed Actions	(No response)

Innovation/Peer Learning

INNOVATION AND PEER LEARNING

Innovation

This section provides the opportunity to showcase an innovative Corporate and/or Community-wide reduction or adaptation activity that your local government has undertaken and that has had a significant impact 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.

Community-Wide Innovation

(No response)

Corporate Innovation

(No response)

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 appropriate box below separated by a forward slash / (e.g. program1/program2/...).

Programs, Partnerships and Funding

BC Hydro, FortisBC, Cool North Shore

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. Prior to completing this survey, please ensure that you are familiar with guidance available on the B.C. Climate Action Toolkit website, especially *Becoming Carbon Neutral: A Guide for Local Governments in British Columbia*.

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)

2500.5 tCO₂e

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)

458.5 tCO₂e

Total Corporate GHG Emissions for 2015: 2959 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:

Energy Efficient Retrofits

(In tonnes of carbon dioxide equivalent (tCO₂e))

0 tCO₂e

Solar Thermal

(In tonnes of carbon dioxide equivalent (tCO₂e))

0 tCO₂e

Household Organic Waste Composting

(In tonnes of carbon dioxide equivalent (tCO₂e))

458 tCO₂e

Low Emission Vehicles

(In tonnes of carbon dioxide equivalent (tCO₂e))

0 tCO₂e

Avoided Forest Conversion

(In tonnes of carbon dioxide equivalent (tCO₂e))

0 tCO₂e

2015 OPTION 1 REDUCTIONS = 458 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	2,590
(No response)	(No response)
(No response)	(No response)

2015 OPTION 2 REDUCTIONS = 2,590 tCO₂e

2015 REDUCTIONS AND OFFSETS = 3,048 tCO₂e

Corporate GHG Emissions Balance for 2015

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. 2015 CORPORATE

GHG EMISSIONS BALANCE: -89 tCO₂e

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

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

Other Opportunities for Awards and Recognition

In addition to the GCC's Climate Action Recognition Program, your local government may be eligible for other award and recognition programs that recognize a range of aspects related to climate action. Here is a list of some award programs, submission timelines and web links.

Climate & Energy Action (CEA) Awards – The CEA awards are offered annually to a municipality or regional district implementing a project or program best integrating energy / climate planning into community planning and development, corporate operations and collaboration with public service organizations. Submission:

May. <http://communityenergy.bc.ca/apply-now-for-2014-climate-energy-action-awards/UBCM>

Community Excellence Awards – The UBCM Community Excellence Awards program is an opportunity to showcase municipalities and regional districts who "lead the pack", take risks to innovate, establish new partnerships, question established ways of doing business and pioneer new customer service practices. One of the five categories recognized in 2015, "Leadership & Innovation, Green Initiatives", related to climate action. Submission:

July. <http://www.ubcm.ca/EN/main/convention/Awards/15021/community-excellence-awards-application.html>

LOCAL GOVERNMENT INFORMATION

LOCAL GOVERNMENT INFORMATION Name of Local Government	West Vancouver, The Corporation of the District 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	10,000-49,999

Submitted by:

Submitted by: Name	David McKee
Submitted by: Position	Energy Manager
Submitted by: Telephone # (123-456-7890)	604-218-5721
Submitted by: Email Address	dmckee@westvancouver.ca

Is this your local government's complete and final 2015 Climate Actions Survey?

Yes