



# Town of Ladysmith

## 2015 CARIP Climate Action/Carbon Neutral Progress Survey

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### 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**

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**

Variable	Response
2015 Community-Wide Broad Planning Actions	Developed and presented to community water supply program. Formed a multi-stakeholder watershed roundtable.
2015 Community-Wide Broad Planning Actions	First agreement signed and first connection completed for water and sewer utilities with Stz'uminus First Nation. Water connection operational.
2015 Community-Wide Broad Planning	Continued to use the Town's website to educate the public and developers about the type of development preferred in Ladysmith. Adopted the

Actions	Development Approval Information (DAI) Bylaw. The bylaw includes a section on Climate Change impacts.
2015 Community-Wide Broad Planning Actions	Inter-departmental development team (planning, engineering and building) regularly discuss green initiatives. Interdepartmental planning meeting continued in 2015. Staff attended Webinars about green building initiatives.
2015 Community-Wide Broad Planning Actions	Rezoning approval for a business to sale used hybrid and electric vehicles.

### 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).

Partnering with local sports club for preparing Holland Creek Restoration Plan. Continued to seek out green development and working with developers on Holland Creek area.

### 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

Variable	Response
2016 Community-Wide Broad Planning Proposed Actions	Work with BC Hydro on funding a review of the Community Energy Plan.
2016 Community-Wide Broad Planning Proposed Actions	Participate in multi stakeholder watershed management committee.
2016 Community-Wide Broad Planning Proposed Actions	Upgrade waterfront area plan.
2016 Community-Wide Broad Planning Proposed Actions	Participate in Climate Change impacts in regional context through CVRD. Continue to participate in webinars, e.g. changes expected due to the Building Act, stretch code and reach code for green buildings.
2016 Community-Wide Broad Planning Proposed Actions	Work with Stz'uminus First Nation to connect and make operational the waste-water (sewer) connection; continue to implement opportunities for shared infrastructure and services with Stz'uminus First Nation; second water/sewer agreement and building inspection agreements.

## 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**

Variable	Response
2015 Corporate Broad Planning Actions	Annual Sustainability Action Plan published and included in the Annual Report.
2015 Corporate Broad Planning Actions	Continuing to support 10% shift.
2015 Corporate Broad Planning Actions	Continued implementation of specific recommendations in Community Sustainability Plan, Community Energy Plan and Community Visioning.
2015 Corporate Broad Planning Actions	Multitude of Sustainability Actions delivered as per the 2015 Sustainability Progress Report
2015 Corporate Broad Planning Actions	Town of Ladysmith has achieved national recognition as one of Canada's Greenest Employers.

#### **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**

Variable	Response
2016 Corporate Broad Planning Proposed Actions	Report to the community on the progress of the Sustainability Action Plan.
2016 Corporate Broad Planning	Have made "Open for Business & Development" a Strategic Priority for 2016. Expand Social Procurement. Participation in Business walks with

Proposed Actions	Chamber of Commerce and Downtown Business Association. Purchase a banner "Think Local First".
2016 Corporate Broad Planning Proposed Actions	Continue with implementation of specific recommendations in Community Sustainability Plan, Community Energy Plan and Community Visioning.
2016 Corporate Broad Planning Proposed Actions	2016 Strategic Priorities – Waterfront Area Plan.
2016 Corporate Broad Planning Proposed Actions	Canada's Greenest Employers for 2016 (fifth year in a row).

## 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?**

Yes

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

5% reduction in total community GHG emissions by 2012 from 2007 levels

15% reduction in total community GHG emissions by 2016 from 2007 levels

33% reduction in total community GHG emissions by 2020 from 2007 levels

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
- Integrated Community Sustainability 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

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

Variable	Response
2015 Community-Wide Building and Lighting Actions	Working with BC Hydro for funding of a review of the Community Energy Plan.
2015 Community-Wide Building and Lighting Actions	Exploring alternate forms of energy, and encouraging new developments to incorporate alternative energy sources.
2015 Community-Wide Building and Lighting Actions	Promoted wood stove change out on website.
2015 Community-Wide Building and Lighting Actions	Funded 118 low flush residential toilet rebates.
2015 Community-Wide Building and Lighting Actions	Development Permit Guidelines updates have been completed.

## Additional Community-Wide Building and Lighting Actions Taken in 2015

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

(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

Variable	Response
2016 Community-Wide Building and Lighting Proposed Actions	Complete Community Energy Plan
2016 Community-Wide Building and Lighting Proposed Actions	Complete new WWTP building which has several energy savings components.
2016 Community-Wide Building and Lighting Proposed Actions	Promote energy efficiency incentive programs
2016 Community-Wide Building and Lighting Proposed Actions	Fund the low flush toilet rebate in residential homes
2016 Community-Wide Building and Lighting Proposed Actions	Review impact of Building Act. Monitor effectiveness of the new DPA guidelines.

## 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

Variable	Response
2015 Corporate Building and Lighting Actions	Civic Green Building Policy amended to require LEED Gold for new municipal buildings over 464 sq m.
2015 Corporate Building and	Began Phase 1 of facility assessment.

Lighting Actions	
2015 Corporate Building and Lighting Actions	Considered energy improvements for all repairs.
2015 Corporate Building and Lighting Actions	Upgrade heat /cooling system at City Hall with central control system allowing monitoring and management of system.
2015 Corporate Building and Lighting Actions	Promoted CVRD - Worksafe BC information cards about Renovating and Asbestos. Asbestos training completed.

### 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

Variable	Response
2016 Building and Lighting Proposed Actions	Complete Phase1 and expand to Phase 2 of facility assessments, including energy assessments.
2016 Building and Lighting Proposed Actions	Continue to consider energy improvements for all repairs and capital projects.
2016 Building and Lighting Proposed Actions	As part of comprehensive asset management plan, upgrade heating and cooling system plans.
2016 Building and Lighting Proposed Actions	(No response)
2016 Building and Lighting Proposed Actions	Continue to participate in the regional training programs.

### 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

Variable	Response
2015 Community-Wide Energy Generation Actions	New single family homes required to be solar hot water ready where conditions exist to be effective.
2015 Community-Wide Energy Generation Actions	Provide information to homeowners through website and at building department regarding energy options.
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

Variable	Response
2016 Community-Wide Energy Generation Proposed Actions	New single family homes required to be solar hot water ready.
2016 Community-Wide Energy Generation Proposed Actions	Continue to provide information to homeowners through website and at building department regarding energy options.
2016 Community-Wide Energy Generation Proposed Actions	Monitor the impact of the new Building Act.
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

Variable	Response
2015 Corporate Energy Generation Actions	PV panels, low energy fixtures, reclaimed water system to be installed at Sewage Treatment Plant.
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

Variable	Response
2016 Energy Generation Proposed Actions	Complete WWTP which has low energy fixtures, PV panels and reclaimed water system.
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...

- A renewable energy system

### Is your local government operating...

- None of the above

### 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	Boulevard trees replacement program, replace trees which are diseased or have died with new trees . BC HYDRO tree program complete in 2015 planting 30 new trees.
2015 Community-Wide Greenspace Actions	Continued to work with various community groups in invasive species management ensuring the community green spaces are healthy.
2015 Community-Wide Greenspace Actions	Continue with Earth Day tree program in the community parks. Earth day Waterfront clean-up?
2015 Community-Wide Greenspace Actions	Multi stake-holder Watershed Roundtable was established and meets regularly to manage watershed more effectively.
2015 Community-Wide Greenspace Actions	Continued to use Town-owned properties for food production; donated locally grown food to local food bank.

**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

Variable	Response
2016 Community-Wide Greenspace Proposed Actions	New and updated Holland Creek Local Area Plan proposed that includes new environmental policies and updated riparian information.
2016 Community-Wide Greenspace Proposed Actions	Continue supporting the Watershed Roundtable.
2016 Community-Wide Greenspace Proposed Actions	Encourage Broom Busters to educate residents regarding Scotch Broom. Develop a invasive species committee to promote the removal of invasive species in the community.
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

Variable	Response
2015 Corporate Greenspace Actions	Continue to use Town-owned properties for food production; donate locally grown food to local food bank. Considering new regulations to permit two honey bee hives at the community garden.
2015	(No response)

Corporate Greenspace Actions	
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

Variable	Response
2016 Greenspace Proposed Actions	Continue to use Town-owned properties for food production; donate locally grown food to local food bank. Considering new regulations to permit two honey bee hives at the community garden.
2016 Greenspace Proposed Actions	The new Parks, Recreation and Culture Master Plan includes guidelines for various types of parks including open space parks. Open space parks are established for the protection and stewardship of wildlife, habitat and other natural system support functions.
2016 Greenspace Proposed Actions	(No response)
2016 Greenspace Proposed Actions	(No response)
2016 Greenspace Proposed Actions	(No response)

## SNAPSHOT QUESTION

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

No

### 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

Variable	Response
2015 Community-Wide Solid Waste Actions 	Support regional facility
2015 Community-Wide Solid Waste Actions 	Continue to lead in efforts of recycling and organic pick up
2015 Community-Wide Solid Waste Actions 	Continued education on MMBC requirements.
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

Variable	Response
2016 Community-Wide Solid Waste Proposed Actions	Support regional facility
2016 Community-Wide Solid Waste Proposed Actions	Continue to lead in efforts of recycling and organic pick up
2016 Community-Wide Solid Waste Proposed Actions	More education of community on MMBC requirements including mailing inserts in utility billing.
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

Variable	Response
2015 Corporate Solid Waste Actions	Continued upgrade of composting facilities, composting studies, composting Training, Staffing of compost facility
2015 Corporate Solid Waste Actions	(No response)
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

Variable	Response
2016 Solid Waste Proposed Actions	Continued upgrade of composting facilities, composting studies, composting Training, Staffing of compost facility
2016 Solid Waste Proposed Actions	(No response)
2016 Solid Waste Proposed Actions	(No response)
2016 Solid Waste Proposed Actions	(No response)
2016 Solid Waste Proposed Actions	(No response)

### 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

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

Variable	Response
2015 Community-Wide Transportation Actions 	Continue to improve pedestrian walkway lighting in areas that are previously not lit and therefore do not encourage walking.
2015 Community-Wide Transportation Actions 	Inventory all sidewalk maintenance and trip hazards (pictures and GPS location) to make walking safer for community. Sidewalk assessment complete.
2015 Community-Wide Transportation Actions 	Traffic Impact Assessment (provided by the developer) for a new neighborhood of up to 1000 dwelling units. Information provided will fit into the Town's upcoming DCC program update.
2015 Community-Wide Transportation Actions 	Worked with BC Transit to change routes to optimize use.
2015 Community-Wide Transportation Actions 	Provide information to private sector partners about electric charge stations.

#### 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).

Hosted a Public Works open house in May to engage students and families in understanding aspects of public works.

## 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

Variable	Response
2016 Community-Wide Transportation Proposed Actions	Sidewalk improvements in key locations to link existing pedestrian infrastructure. Partnering with ICBC to install new sidewalks.
2016 Community-Wide Transportation Proposed Actions	Master Transportation Plan ? In five year Financial Plan. BC Transit considering service changes. Updating the Roads DCC program as part of an overall DCC program update.
2016 Community-Wide Transportation Proposed Actions	Continue to provide information to private sector partners about electric charge stations.
2016 Community-Wide Transportation Proposed Actions	Host Public works week to engage students and families in understanding aspects of public works, including transportation.
2016 Community-Wide Transportation Proposed Actions	(No response)

## 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	Various recommendations investigated in the 2015 Parks and Recreation Master Plan, which build on the existing bike master plan.

2015 Corporate Transportation Actions	Continue to operate a Nissan Leaf.Continue to fund the two electric charging stations.
2015 Corporate Transportation Actions	Hired second mechanic to ensure regular maintenance maintained for fuel efficiency.
2015 Corporate Transportation Actions	Promoted bike/walk to work week.
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

Variable	Response
2016 Transportation Proposed Actions	4th Avenue improvements include a new bike lane.
2016 Transportation Proposed Actions	Complete and Implement Master Transportation Plan.
2016 Transportation Proposed Actions	Continue to consider electric vehicles for future purchases and continue to fund the two electric charging stations for municipal use.
2016 Transportation Proposed Actions	(No response)
2016 Transportation Proposed Actions	(No response)

## SNAPSHOT QUESTIONS

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

- Walking
- Cycling
- 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)?

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

Variable

Response

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2015 Community-Wide Water and Wastewater Actions	Continued construction of new WWTP
2015 Community-Wide Water and Wastewater Actions	First agreement signed and first connection for water and sewer utilities with Stz'uminus First Nation. Commenced supply of water to SFN.
2015 Community-Wide Water and Wastewater Actions	Overall consumption of water for 2015 reduced by 2%. Town set new target for water conservation to 20% less than Canadian average; watering restrictions and enforcement;
2015 Community-Wide Water and Wastewater Actions	Completed first agreement signed and first connection for water and sewer utilities with Stz'uminus First Nation. Formed a multi stakeholder watershed roundtable.
2015 Community-Wide Water and Wastewater Actions	Continued to offer low flush toilet rebates; Cowichan Watershed Board issued challenge to region, to 'meet or beat' Ladysmith's water use!

### 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

Variable	Response
2016 Community-Wide Water and Wastewater Proposed Actions	Conclude construction of new WWTP
2016 Community-Wide Water and Wastewater Proposed Actions	Second agreement for water and sewer utilities with Stz'uminus First Nations. Further implement FN opportunities for shared infrastructure and servicing.
2016 Community-Wide Water and Wastewater Proposed Actions	Continue to target for water conservation to 20% less than Canadian average; watering restrictions and enforcement;
2016 Community-Wide Water and Wastewater Proposed Actions	Continue to offer low flush toilet rebates.
2016 Community-Wide Water and Wastewater Proposed Actions	(No response)

**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**

Variable	Response
2015 Corporate Water and Wastewater Actions	Continued construction of improvements to Sewer Treatment Plant. Enhanced composting facility at Public Works Yard. Additional instrumentation of our water supplies.
2015 Corporate Water and Wastewater Actions	Annual Water Quality Report published. Completed Water Filtration Pilot test.
2015 Corporate Water and Wastewater Actions	Amended the OCP by adding policies from the LMWP.
2015 Corporate Water and Wastewater Actions	Continued to abide by liquid waste management plan and Liquid Waste Management Committee held a meeting in 2015.
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

Variable	Response
2016 Water and Wastewater Proposed Actions	Conclude construction of Waste Water Treatment Plant. Additional instrumentation of our water supplies.
2016 Water and Wastewater Proposed Actions	Continue to implement Liquid Waste Management Plan.
2016 Water and Wastewater Proposed Actions	Enhance composting facility at Public Works Yard.
2016 Water and Wastewater Proposed Actions	Fund the dam inundation study.
2016 Water and Wastewater Proposed Actions	Begin design on Water Filtration Plant.

## 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

Variable	Response
2015 Community-Wide Adaptation Actions	Requested a development applicant to provide a wildland-urban interface fire hazard assessment report as part of a rezoning application for ~610 residential units in a site with perimeter forest and internal forested riparian areas.
2015 Community-Wide Adaptation Actions	(No response)
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

Variable	Response
2016 Community-Wide Adaptation Proposed Actions	Propose to be adding FireSmart policies to the new and updated Holland Creek Local Area Plan.
2016 Community-Wide Adaptation Proposed Actions	(No response)
2016 Community-Wide Adaptation Proposed Actions	(No response)
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**

Variable	Response
2015 Corporate Adaptation Actions	(No response)
2015 Corporate Adaptation Actions	(No response)
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**

Variable	Response
2016 Adaptation Proposed Actions	(No response)
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

Variable	Response
2015 Community-Wide Other Actions	Continued to adopt highest standard of regional air quality standards
2015 Community-	Provides space for local farmers market, encourages the 10% shift for local spending, Town gardens are used to grow vegetables and is then

Wide Other Actions	donated to the local food bank.
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

Variable	Response
2016 Community-Wide Other Proposed Actions	Continue to adopt highest standard of regional air quality standards
2016 Community-Wide Other Proposed Actions	Continue to provide space for local farmers market.
2016 Community-Wide Other Proposed Actions	Encourage the 10% shift for local spending,
2016 Community-Wide Other Proposed Actions	Donate food grown in Town gardens to the local food bank.
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

Variable	Response
2015 Corporate Other Actions	Multi stake-holder Watershed Roundtable established.

2015 Corporate Other Actions	Top 100 Greenest Employers in Canada (2015)
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

Variable	Response
2016 Other Proposed Actions	Top 100 Greenest Employers in Canada (2016)
2016 Other Proposed Actions	Continue to support the Watershed Roundtable.
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

(No response)

## 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)

319.2

**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)

3.5

## Total Corporate GHG Emissions for 2015: 322.7 tCO<sub>2</sub>e

### 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 (tCO<sub>2</sub>e))

(No response)

##### Solar Thermal

(in tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e))

(No response)

##### Household Organic Waste Composting

(in tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e))

95.7

##### Low Emission Vehicles

(in tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e))

(No response)

### **Avoided Forest Conversion**

(in tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e))

(No response)

**2015 OPTION 1 REDUCTIONS = 95.7 tCO<sub>2</sub>e**

**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 <sub>2</sub> e)
(No response)	(No response)
(No response)	(No response)
(No response)	(No response)

**2015 OPTION 2 REDUCTIONS = 0.0 tCO<sub>2</sub>e**

### **Offsets**

**If applicable, please report the number of offsets purchased from an offset provider for the 2015 reporting year. Note: Please do not include funds set aside in a climate action reserve fund.**

(in tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e))

227

**If your local government purchased offsets , please identify the name of the offset provider:**

Cowchian Energy Alternatives - Community Carbon Market Place

**2015 OFFSETS = 227 tCO<sub>2</sub>e**

**2015 REDUCTIONS AND OFFSETS = 322.7 tCO<sub>2</sub>e**

### **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: 0.0 tCO<sub>2</sub>e**

**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



## Email Address

An email confirming that the survey was successfully submitted will be sent to the address provided in the box below.

ccopp@ladysmith.ca

## 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>

## LG Info

### LOCAL GOVERNMENT INFORMATION

Variable	Response
LOCAL GOVERNMENT INFORMATION   Name of Local Government	Ladysmith, Town of
LOCAL GOVERNMENT INFORMATION   Name of member Regional District (RD)	Cowichan Valley
LOCAL GOVERNMENT INFORMATION   Regional Growth Strategy (RGS) in your region	No
LOCAL GOVERNMENT INFORMATION   Population	5,000-9,999

### Submitted by:

Variable	Response
----------	----------

Submitted by: | Name  
Submitted by: | Position  
Submitted by: | Telephone # (123-456-7890)  
Submitted by: | Email Address

Camelia Copp
Financial Services Coordinator
250-245-6400
ccopp@ladysmith.ca

**This year we comined two online surveys with one in addition to other changes to streamline and improve the reporting process. We would like to know what you think.**

Please check the answer that best describes your thoughts on how the new survey process compares to last year's process.

Somewhat improved

**Before submitting your survey, please ensure that it is your local government's complete and final 2015 Climate Actions Survey. Please submit this survey only once.**

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

Yes

**Once you have submitted your survey, be sure to download your survey report from the 'Thank You' page and use it as your public report.**