

# 2015 CARIP Climate Action/Carbon Neutral Progress Survey

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<http://fluidsurveys.com/surveys/irpb/2015-carip-survey/d4890ef3a8abfcb89e280ce3f75c02035b7261b0/>

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## Introduction

### Welcome to the 2015 CARIP Climate Action/Carbon Neutral Progress Survey

This year's CARIP reporting process consists of a single online survey – the 2015 CARIP Climate Action/Carbon Neutral Progress Survey – that combines the two surveys from last year into one. The 2015 online survey has been simplified to make reporting easier.

### **Local governments are required to submit the 2015 Climate Action/Carbon Neutral Progress Survey on or before June 1, 2016.**

Local governments are also required to publicly report the information submitted in the 2015 CARIP Climate Action/Carbon Neutral Progress Survey. There are three ways a local government can report to the public. These include using:

the report generated by the online survey (*FluidSurveysTM* software),

a report based on the populated supporting Word Template provided to local governments, or,

a report in another format that contains the information submitted in the 2015 CARIP Climate Action/Carbon Neutral Progress Survey.

The supporting Word Template has been created to assist with collecting information for the online 2015 Climate Action/Carbon Neutral Progress Survey. The Word Template is available on the CARIP webpage. It follows the same organization as the 2015 CARIP Climate Action/Carbon Neutral Progress Survey. Responses entered into the Word Template can be cut and pasted into the online survey.

Use of the Word Template is **optional**. Local governments may choose to edit the populated Word Template and use it for their public report, as an alternative to the report generated by the 2015 CARIP Climate Action/Carbon Neutral Progress Survey.

## **Information Highlights**

Deadline for submitting the 2015 CARIP Climate Action/Carbon Neutral Progress Survey: **June 1, 2016**

Detailed Instructions and FAQs can be found here:

[http://www.cscd.gov.bc.ca/lgd/library/2015\\_CARIP\\_Survey\\_Instructions.pdf](http://www.cscd.gov.bc.ca/lgd/library/2015_CARIP_Survey_Instructions.pdf)

Supporting Word Template can be found here:

[http://www.cscd.gov.bc.ca/lgd/library/2015\\_CARIP\\_Survey\\_Template.doc](http://www.cscd.gov.bc.ca/lgd/library/2015_CARIP_Survey_Template.doc)

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

**Corporate Actions:** Actions undertaken to reduce GHG emissions produced as a result of a local government's delivery of "traditional services", including fire protection, solid waste

management, recreational/cultural services, road and traffic operations, water and wastewater management, and local government administration.

**Please keep answers brief and avoid duplication by entering each action into a single category.**

## 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

2015 Community-Wide Broad Planning Actions	Began infill study to support increased densities
2015 Community-Wide Broad Planning Actions	Began Downtown revitalization plan to explore opportunities to increase densities downtown and improve connections to and from downtown
2015 Community-Wide Broad Planning Actions	(No response)
2015 Community-Wide Broad Planning Actions	(No response)
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	Complete infill study and recommend zoning changes
2016 Community-Wide Broad Planning Proposed Actions	Complete Downtown Revitalization Action Plan
2016 Community-Wide Broad Planning Proposed Actions	(No response)

2016 Community-Wide Broad Planning Proposed Actions	(No response)
2016 Community-Wide Broad Planning Proposed Actions	(No response)

**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	Corporate Asset Management Plan was adopted fully consistent with "Asset Management for Sustainable Service Delivery: A BC Framework".
2015 Corporate Broad Planning Actions	Created an Asset Management Working Group to develop corporate wide asset management plans and strategy.
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	Council 2016-2018 Strategic Priorities - Continued support for social, economic, and environmental sustainability solutions
2016 Corporate Broad Planning Proposed Actions	(No response)
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?**

Yes

**Does your local government have a corporate GHG reduction plan?**

Yes

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

*OCP- reduce community wide greenhouse gas 20% below 2007 levels by 2020.*

**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?**

- 
- 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	(No response)
2015 Community-Wide Building and Lighting Actions	(No response)
2015 Community-Wide Building and Lighting Actions	(No response)
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**

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

2016 Community-Wide Building and Lighting Proposed Actions	Research LED street lighting products
2016 Community-Wide Building and Lighting Proposed Actions	(No response)
2016 Community-Wide Building and Lighting Proposed Actions	(No response)
2016 Community-Wide Building and Lighting Proposed Actions	(No response)
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	LED street lighting pilot project in City parking lot (Florence Filberg Centre upper lot).
2015 Corporate Building and Lighting Actions	Replaced oil burning boilers at museum with energy efficient heat pump.
2015 Corporate Building and Lighting Actions	Installed DDC digital control at museum.
2015 Corporate Building and Lighting Actions	Replaced outdoor swimming pool insulating blankets.
2015 Corporate Building and Lighting Actions	Continued long term program of replacing FT-12 florescent fixtures with FT-8 fixtures throughout all corporate facilities.

### 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	Recommission building HVAC automation systems in Library and Art Gallery and install in City Hall.
2016 Building and Lighting Proposed Actions	Install passive cooling systems (awnings) at City Hall.
2016 Building and Lighting Proposed Actions	Replace natural gas stove pilot lights in 2 community centers estimate to reduce annual GHG emissions by 11.5 tonnes.
2016 Building and Lighting Proposed Actions	Replace 4 roof top gas powered roof top heating units in 2 facilities with electric powered units.
2016 Building and Lighting Proposed Actions	Replace swimming pool gas powered boiler with electric air source heat pump. Estimated annual GHG reduction 37.3 tonnes

## 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...**

- 
- 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

2015 Community-Wide Greenspace Actions	Continued work on Tree Preservation Bylaw.
2015 Community-Wide Greenspace Actions	(No response)
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	Adopt new Tree Preservation Bylaw
2016 Community-Wide Greenspace Proposed Actions	Undertake Parks and Trails Master Plan integrated with Multi-Modal Transportation Plan
2016 Community-Wide Greenspace Proposed Actions	(No response)
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	Completed a corporate wide contaminated sites inventory.
2015 Corporate Greenspace Actions	Completed Regional Cemetery Master Plan and Perpetual Care Sustainability Plan.
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	(No response)
2016 Greenspace Proposed Actions	(No response)
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?**

*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	(No response)
2015 Community-Wide Solid Waste Actions	(No response)
2015 Community-Wide Solid Waste Actions	(No response)
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	Standards and Specifications update will formalize recycled asphalt blending in road gravel applications
2016 Community-Wide Solid Waste Proposed Actions	(No response)
2016 Community-Wide Solid Waste Proposed Actions	(No response)
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	(No response)
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**

2016 Solid Waste Proposed Actions	Recycling of City asphalt with local asphalt producer
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?**

*Yes*

**Does your local government have organics reduction/diversion policies, plans or programs?**

*No*

## 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

2015 Community-Wide Transportation Actions	Required dedication of trail connections through development approval to increase network connectivity
2015 Community-Wide Transportation Actions	Bike to work week
2015 Community-Wide Transportation Actions	(No response)
2015 Community-Wide Transportation Actions	(No response)
2015 Community-Wide Transportation Actions	(No response)

#### **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	Complete Streets Pilot project - multi-modal transportation infrastructure project to inform design as we replace new or renewed transportation infrastructure.
2016 Community-Wide Transportation Proposed Actions	Begin analysis of City wide bike network.

2016 Community-Wide Transportation Proposed Actions	Participate in Regional Frequent Transit Corridor Study.
2016 Community-Wide Transportation Proposed Actions	Bike to Work Week.
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**

2015 Corporate Transportation Actions	Completed corporate wide fleet asset management plan and achieved a renewal sustainability plan.
2015 Corporate Transportation Actions	(No response)
2015 Corporate Transportation Actions	(No response)
2015 Corporate Transportation Actions	(No response)
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	Continue downsizing and right-sizing fleet.
2016 Transportation Proposed Actions	Expanding automated data collection and analysis of corporate wide fuel consumption.
2016 Transportation Proposed Actions	(No response)
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:**

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- Walking
  - Cycling
  - Transit
- 

**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*

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

*No*

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## 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	Employ bylaw officer dedicated to summer water use enforcement.
2015 Community-Wide Water and Wastewater Actions	Purchased leak detection equipment, provided staff training and doubled leak repair budget.
2015 Community-Wide Water and Wastewater Actions	(No response)
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	Employ bylaw officer dedicated to summer water use enforcement
2016 Community-Wide Water and Wastewater Proposed Actions	Complete new Sewer Master Plan

2016 Community-Wide Water and Wastewater Proposed Actions	(No response)
2016 Community-Wide Water and Wastewater Proposed Actions	(No response)
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**

2015 Corporate Water and Wastewater Actions	(No response)
2015 Corporate Water and Wastewater Actions	(No response)
2015 Corporate Water and Wastewater Actions	(No response)
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	Corporate wide water audit to define baseline of City consumption prior to initiating a corporate water conservation strategy.
2016 Water and Wastewater Proposed Actions	(No response)
2016 Water and Wastewater Proposed Actions	(No response)
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	Purchased and deployed Aqua-Dam flood protection system.
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

2016 Community-Wide Adaptation Proposed Actions	Adopt new subdivision servicing standards and specifications.
2016 Community-Wide Adaptation Proposed Actions	Complete update of Community Flood Response Plan based on analytical review of actual consequences of past flood events
2016 Community-Wide Adaptation Proposed Actions	Renewed and re-armored section of dike to protect community infrastructure (swimming pool, tennis courts, park).

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	(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

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-Gov>**

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

*UBCM Asset Management Capacity Building Grant/UBCM Asset Management Planning Grant/Gas Tax Fund/CARIP Rebates*

## 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)

805

**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)

371

**Total Corporate GHG Emissions for 2015: 1176.0 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))

*(No response)*

#### **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 = 0.0 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)

**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))

*(No response)*

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

*(No response)*

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

**2015 REDUCTIONS AND OFFSETS = 0.0 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: 1176.0 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 2 - Measurement*

### **Email Address**

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

*ibuck@courtenay.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.htm>



## LG Info

### LOCAL GOVERNMENT INFORMATION

LOCAL GOVERNMENT INFORMATION   Name of Local Government	Courtenay, The Corporation of the City of
LOCAL GOVERNMENT INFORMATION   Name of member Regional District (RD)	Comox Valley
LOCAL GOVERNMENT INFORMATION   Regional Growth Strategy (RGS) in your region	Yes
LOCAL GOVERNMENT INFORMATION   Population	10,000-49,999

### Submitted by:

Submitted by:   Name	Ian Buck
Submitted by:   Position	Director of Development Services
Submitted by:   Telephone # (123-456-7890)	250-334-4441
Submitted by:   Email Address	ibuck@courtenay.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.

*Other, please specify: First time I completed survey so I can't compare.*

**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.**