

# 2015 CARIP Climate Action/Carbon Neutral Progress Survey

Created Thursday, May 26, 2016

Updated Friday, September 30, 2016

<http://fluidsurveys.com/surveys/irpb/2015-carip-survey/695af7a601066d909c0ceab0bfa78a842e31b581/>

---

## 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 | The City of Fort St. John has implemented a tree rebate program where a residential property owner can receive a credit on their utility bill by sending the receipt for a tree planted on their property. In 2015 325 trees were planted using this program. |
| 2015 Community-Wide Broad Planning Actions | (No response)   |
| 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 | The City will be continuing with the tree rebate program. |
|---|---|

|   |  |
|---|--|
| 2016 Community-Wide Broad Planning Proposed Actions | The City in conjunction with the Northern Environment Action Team and Bert Bowes Junior Secondary School are working together to develop a ‘Solar City Implementation Tool Box’, such as bylaws; opportunities for bulk-purchase of equipment; incentives/ subsidies; demonstration projects; and detailed solar resource mapping of the city. |
| 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 | (No response) |
| 2015 Corporate Broad Planning Actions | (No response) |
| 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 | (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) |
| 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?**

*Not applicable*

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

*No*

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

- 
- Energy and Emissions Plan
  - OCP

## Building and Lighting

### **BUILDING AND LIGHTING ACTIONS**

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

### **COMMUNITY-WIDE**

#### **COMMUNITY-WIDE BUILDING AND LIGHTING - 2015 ACTIONS**

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

##### 2015 Community-Wide Building and Lighting Actions

|   |  |
|---|--|
| 2015 Community-Wide Building and Lighting Actions | The City required all single family dwellings built in 2015 to be solar hot water ready. |
| 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 | (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) |
| 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 | The City completed a Passive House to showcase energy efficient construction options for the north.  |
| 2015 Corporate Building and Lighting Actions | A Facilities Audit was done on all Recreation Facilities with recommendations for a 5 year Capital Plan for Facilities improvements.   |
| 2015 Corporate Building and Lighting Actions | Replaced 40 High Pressure Sodium Street Lights with More efficient LED lights.   |
| 2015 Corporate Building and Lighting Actions | Replaced interior fluorescent lighting at the City's High Lift Pump Station to LED lighting, Replaced exterior Metal Halide lighting at the City's 79th Street Pumphouse with LED lighting, Replace exterior High Pressure Sodium lighting at the City's Rural Water Station with LED Lighting |
| 2015 Corporate Building and Lighting Actions | Council has a policy in place that all municipal buildings must be built to LEED specifications.   |

**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 | Items identified in the 2015 Facilities Audit will commence to be addressed.               |
| 2016 Building and Lighting Proposed Actions | The City will continue with the Streetlight replacement program as funding and time allow. |
| 2016 Building and Lighting Proposed Actions | (No response)  |
| 2016 Building and Lighting Proposed Actions | (No response)  |





## 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 | The City completed a 100kW micro-hydro generating station on our South Lagoon Treated Sewage outfall line in 2015. This is tied into the BC Hydro Grid and helps offset the power needs of the City. This project has received an Award of Merit from the Association of Consulting Engineers of BC. |
| 2015 Corporate Energy Generation Actions | Continued use and maintenance of solar panels at mounted at City Hall  |
| 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 | Continue to use and maintain micro hydro on sanitary outfall line. |
| 2016 Energy Generation Proposed Actions | Continue to use and maintain solar panels on City Hall             |
| 2016 Energy Generation Proposed Actions | (No response)  |
| 2016 Energy Generation Proposed Actions | (No response)  |
| 2016 Energy Generation Proposed Actions | (No response)  |

## **SNAPSHOT QUESTIONS**

### **Is your local government developing or constructing...**

- None of the above

## Is your local government operating...

---

- A renewable energy system
- 

## Is your local government connected to a district energy system that is operated by another energy provider?

*No*

## Are you aware of the Integrated Resource Recovery guidance page on the BC Climate Action Toolkit? <http://www.toolkit.bc.ca/tool/integrated-resource-recovery-irr>

*Yes*

## Greenspace

### **GREENSPACE ACTIONS**

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

### **COMMUNITY-WIDE**

#### **COMMUNITY-WIDE GREENSPACE - 2015 ACTIONS**

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

##### 2015 Community-Wide Greenspace Actions

|  |               |
|--|---------------|
| 2015 Community-Wide Greenspace Actions | (No response) |
| 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 | (No response) |
| 2016 Community-Wide Greenspace Proposed Actions | (No response) |
| 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 | Edible gardens were planted in the garden spaces around city facilities. |
| 2015 Corporate Greenspace Actions | (No response)  |
| 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?**

*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

|   |  |
|---|--|
| 2015 Community-Wide Solid Waste Actions | Implementation of Curbside Recycling started in November of 2015 with a schedule for pickup every second week. in the 2 months this program was in place for 2015 it removed 156 tonnes of solid waste from being placed in our regional landfill. |
| 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 | Continue with the curbside recycling program and continue to educate the public on the do's and don'ts of recycling. |
| 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 | Paper recycling bins are placed at all City office sites. |
| 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 | (No response) |
| 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 | Free Monthly bus passes are available all students in full time attendance at any public or private school up to and including grade 12, the same pass is also available to full time students attending Northern Lights College or any accredited institution. |
| 2015 Community-Wide Transportation Actions | (No response)   |
| 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 | The City will continue to offer free monthly bus passes to all students in full time attendance at any public or private school up to and including grade 12, as well as to full time students attending Northern Lights College or any accredited institution. |
|---|---|

|   |               |
|---|---------------|
| 2016 Community-Wide Transportation Proposed Actions | (No response) |
| 2016 Community-Wide Transportation Proposed Actions | (No response) |
| 2016 Community-Wide Transportation Proposed Actions | (No response) |
| 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 | A Transportation Master Plan was created and endorsed by council in 2015. It outlines a strategy and corridors for future transportation needs in and around the city and encourages active transportation through designated corridors and paths. |
| 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 | The Transportation Master Plan will be used to help guide future planning and design of both capital and private development projects. |
| 2016 Transportation Proposed Actions | (No response)  |

|                                      |               |
|--------------------------------------|---------------|
| 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:**

- 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)?**

*Yes*

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

*No*

## 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 | Continued with scheduled increases to metered water and sewer rates for the City of Fort St. John allowing for full cost recovery over a ten year period. We are currently in year five of a 10 year program. This also has had the effect of making people more aware of their water usage and conservation. |
| 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)   |
| 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 | The City plans to continue with the ten year plan of scheduled rate increases to allow for full cost recovery for water and wastewater. |
|---|---|

|   |               |
|---|---------------|
| 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) |
| 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 | Purchased an ultrasonic leak detector to improve efficiency of locating and repairing water leaks in the distribution system. Which lead to the repair of several substantial water main leaks in 2015. |
| 2015 Corporate Water and Wastewater Actions | Recycled 2,383,310 liters of backwash effluent water from the water treatment plant. Water is used in city street sweepers, flush trucks and for watering planters and flower baskets.                  |
| 2015 Corporate Water and Wastewater Actions | Rainwater reuse tanks used for irrigation system at our Pomeroy Sports Center.  |
| 2015 Corporate Water and Wastewater Actions | Sewage treatment aeration upgrade to ensure a clean effluent released to the Peace River.   |
| 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 | Continue with our leak detection and repair program. |
| 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 | (No response) |
| 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 | (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) |
| 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<br>Community-Wide Other Actions | A lower emission "warm mix" asphalt is allowed over traditional "hot mix" asphalt. This results in a 20-35% reduction in energy consumption.  |
| 2015<br>Community-Wide Other Actions | Asphalt removed through road construction and development is stockpiled and recycled. It is then used in the City's routine patching program offsetting the amount of new aggregate and oils that are required. This action also reduces the amount of material delivered to the regional landfill. |
| 2015<br>Community-Wide Other Actions | (No response)   |
| 2015<br>Community-Wide Other Actions | (No response)   |
| 2015<br>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 | Continue to allow warm mix asphalt to be used within the City limits. |
| 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 | Warm mix asphalt was used on most road projects for a reduction of 60 - 80 tCO <sub>2</sub> e. Almost 15,000 tonnes of warm mix asphalt was placed in the city in 2015 with a reduction of 4.1-5.5 Kg GHG emissions per tonne. |
| 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 | To continue to allow contractor bidding on capital programs to use warm mix asphalt as an option for all paving projects.   |
| 2016 Other Proposed Actions | A new fire engine was purchased ordered in 2015 for delivery in the future. It will come with an auxiliary power unit (APU). This APU reduces the idle time of the main engine by maintaining the operation of the key equipment when the main engine is no longer required for the pumping of water. |
| 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

*The City created a showcase Passive House that included many green/energy saving initiatives that builders in the north have not had exposure to. There are tours of the building available on a request basis and information on the building is available on the City's website at: <http://www.fortstjohn.ca/passive-house-project>.*

*The City completed a 100kW micro-hydro generating station on our South Lagoon Treated Sewage outfall line in 2015. This is tied into the BC Hydro Grid and helps offset the power needs of the City. This project has received an Award of Merit from the Association of Consulting Engineers of BC.*

#### **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)

3314.7

**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)

491.8

**Total Corporate GHG Emissions for 2015: 3806.5 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) |
|---------------------------|-----------------------------------|
| Warm Mix Asphalt          | 70                                |
| Solar Panels at City Hall | 0.01                              |

**2015 OPTION 2 REDUCTIONS = 70.01 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 = 70.01 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: 3736.49 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.

*jstewart@fortstjohn.ca; DKazymyrskiy@fortstjohn.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>





**LOCAL GOVERNMENT INFORMATION**

|  |                        |
|--|------------------------|
| LOCAL GOVERNMENT INFORMATION   Name of Local Government                      | Fort St. John, City of |
| LOCAL GOVERNMENT INFORMATION   Name of member Regional District (RD)         | Peace River            |
| LOCAL GOVERNMENT INFORMATION   Regional Growth Strategy (RGS) in your region | No                     |
| LOCAL GOVERNMENT INFORMATION   Population                                    | 10,000-49,999          |

**Submitted by:**

|  |                            |
|--|----------------------------|
| Submitted by:   Name                       | Dan Kazymyrskiy            |
| Submitted by:   Position                   | Director of Finance        |
| Submitted by:   Telephone # (123-456-7890) | 250-787-8150               |
| Submitted by:   Email Address              | dkazymyrskiy@fortstjohn.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.

*No improvement*

**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.**