



**2015 CARIP Climate Action/Carbon Neutral Progress Survey Public Report Attestation**

As per the CARIP guidance, the Financial Officer is required to submit this attestation form to attest that:


- On or before **June 1, 2016**, the information reported in the 2015 CARIP Climate Action/Carbon Neutral Progress Survey submitted online to the Province has been made public.

**The Financial Officer must complete and sign this attestation form by the applicable deadline and email a scanned copy to the province at [infra@gov.bc.ca](mailto:infra@gov.bc.ca).**

---

**2015 CARIP Climate Action/Carbon Neutral Progress Survey Public Report Attestation Form — DUE on or before June 1, 2016**

I declare that the information contained in the 2015 CARIP Climate Action/Carbon Neutral Progress Survey submitted online to the Province on May 27, 2016 for The Corporation of the City of Nelson was made public on May 27, 2016

Name, Title (print) CFO Colin McClure: CFO  
Signature:   
Date: May 27, 2016

**Carbon Tax Calculation Form**  
**Under the Climate Action Revenue Incentive Program**

<b>Local Government Name:</b> <b>Contact Information:</b> <b>Name:</b> <b>Position:</b> <b>Telephone Number:</b> <b>Email address:</b>	City of Nelson
	Peter Sinstadt
	Facilities Maintenance Manager
	250-352-8218
	psinstadt@nelson.ca

**Calculation of carbon tax paid directly by the local government  
for fuel purchased between January 1 and December 31, 2015**

Fuel Type	Unit measure	Units	Tax Rate per unit, January 1, 2015 to December 31, 2015	Carbon Tax paid
<b>Most common fuels in a local government context:</b>				
Gasoline	Litre	90,218.13	0.0667	6,017.55
Diesel	Litre	299,695.18	0.0767	22,986.62
Bio-Diesel <sup>2</sup>	Litre	4,813.98	0.0767	369.23
Natural Gas	Gigajoule <sup>3</sup>	4,223.22	1.4898	6,291.75
Natural Gas	m <sup>3</sup>		0.057	-
Propane	Litre	12,670.64	0.0462	585.38
<b>Other fuels which are taxed:</b>				
Heating Oil	Litre		0.0767	0
Locomotive Fuel	Litre		0.0767	0
Heavy Fuel Oil	Litre		0.0945	0
Aviation Fuel	Litre		0.0738	0
Jet Fuel	Litre		0.0783	0
Kerosene	Litre		0.0783	0
Naphtha	Litre		0.0765	0
Methanol	Litre		0.0327	0
Butane	Litre		0.0528	0
Ethane	Litre		0.0294	0
Refinery Gas	m <sup>3</sup>		0.0528	0
Coke Oven Gas	m <sup>3</sup>		0.0483	0
Coal -- Low Heat Value <sup>4</sup>	Tonne		53.31	0
Coal -- High Heat Value <sup>4</sup>	Tonne		62.31	0
Coke	Tonne		74.61	0
Petroleum Coke	Litre		0.1101	0
Tires -- shredded <sup>5</sup>	Tonne		71.73	0
Tires -- whole <sup>5</sup>	Tonne		62.4	0
Peat	Tonne		30.66	0
<b>Total Carbon Tax Paid:</b>				<b>36,250.54</b>

- Only list fuels that were purchased for the local government's own use, on which carbon tax was paid, and where that carbon tax was not refunded or recovered from another party (e.g., through a lease arrangement). Also do not include any fuels that were exempted from carbon tax (for more information on exemptions see 2.
- Bio-diesel blends must be prorated in order to claim the diesel and bio-diesel portions on the appropriate line. The proportion of the blend (B5, B10, B15 etc) that is conventional hydrocarbon-based diesel is included on the diesel line; consequently, the bio-diesel pro-rated amount must be entered on the bio-diesel line. For example, a 10,000 litre purchase of B10, which is 10% bio-diesel and 90% hydrocarbon-based diesel, would be recorded as 9,000 litres hydrocarbon-based diesel (90% of 10,000 purchased litres) and bio-
- Marketable Natural Gas may be recorded at either Gigajoules or m<sup>3</sup>
- Low Heat Value Coal includes Sub-Bituminous Coal; High Heat Value Coal includes Bituminous Coal
- Only include tires if they are combusted

I declare that the information contained in this Carbon Tax Calculation Form is true and correct and based on actual accounting records and not estimates. I am also aware of the requirement to report publicly by June 1st.

Signature of Financial Officer

*Cal 7 of - Aug 27/16*

# 2015 CARIP Climate Action/Carbon Neutral Progress Survey

---

<http://fluidsurveys.com/surveys/irpb/2015-carip-survey/1da04d83a08f212ff4c66d44908a64d9ff5ffb99/>

*Filled Friday, May 27, 2016*

## 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 (FluidSurveys™ 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

Variable	Response
2015 Community-Wide Broad Planning Actions	Implementation of the Official Community Plan Bylaw 3247, 2013
2015 Community-Wide Broad Planning Actions	Initiation of the Railtown Sustainable Neighbourhood Plan
2015 Community-Wide Broad Planning Actions	Completion of upgrades to the Hall Street corridor – project goals included improvements to the pedestrian realm & additional bike infrastructure, both of which contribute to reductions in GHG reductions through active transportation.
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

Variable	Response
2016 Community-Wide Broad Planning Proposed Actions	Implementation of the Official Community Plan Bylaw 3247, 2013
2016 Community-Wide Broad Planning Proposed Actions	Completion of the Railtown Sustainable Neighbourhood Plan
2016 Community-Wide Broad Planning Proposed Actions	Initiation of the Downtown Urban Design Strategy – this project will propose strategies to reduce energy consumption (e.g. upgrades to street lighting) and reduce GHG emissions (e.g. installing electric vehicle & bike charging stations, & improving bike & pedestrian infrastructure).
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

Variable	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)
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

Variable	Response
2016 Corporate Broad Planning Proposed Actions	Participate in community energy & emission working sessions (Community Energy Association / RDCK SCEEP)
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?**

No

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

Yes

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

25

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
- Integrated Community Sustainability Plan
- OCP
- Other, please specify...: Active Transportation Plan & Sustainable Waterfront & Downtown Master Plan

## Building and Lighting

### BUILDING AND LIGHTING ACTIONS

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

## COMMUNITY-WIDE

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

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

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

Variable	Response
2015 Community-Wide Building and Lighting Actions	EcoSave Energy Retrofits Program
2015 Community-Wide Building and Lighting Actions	Green home and energy show - now includes electric vehicles and bikes
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

Variable	Response
2016 Community-Wide Building and Lighting Proposed Actions	Continuation of EcoSave Energy Retrofits Program – expanding to multi-use residential buildings & low-income categories
2016 Community-Wide Building and	Green home and energy show



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)

## CORPORATE

### CORPORATE BUILDING AND LIGHTING - 2015 ACTIONS

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

#### 2015 Corporate Building and Lighting Actions

Variable	Response
2015 Corporate Building and Lighting Actions	Completed final year of 5 year GHG Reduction Plan & achieved target of 25%
2015 Corporate Building and Lighting Actions	Envelope upgrade – 310 Ward St basement door replacement - significant heat savings due to improperly functioning sliding doors
2015 Corporate Building and Lighting Actions	Increase level of DDC controls at Civic Centre
2015 Corporate Building and Lighting Actions	(No response)
2015 Corporate Building and Lighting Actions	(No response)

#### Additional Building and Lighting Corporate Actions Taken in 2015

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

(No response)

### CORPORATE BUILDING AND LIGHTING - ACTIONS PROPOSED FOR 2016

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

## 2016 Building and Lighting Proposed Actions

Variable	Response
2016 Building and Lighting Proposed Actions	Investigating District Energy System connection of Civic Centre
2016 Building and Lighting Proposed Actions	Feasibility of lighting controls & upgrade of 310 Ward St
2016 Building and Lighting Proposed Actions	LED pilot for warehouse lighting
2016 Building and Lighting Proposed Actions	Energy efficient Greenhouse replacement
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

Variable	Response
2015 Community-Wide Energy Generation Actions	Community Solar Garden approved by Council and sales to public
2015 Community-Wide Energy Generation Actions	Continuation of feasibility investigation for DES
2015 Community-Wide Energy Generation	(No response)

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

### Additional Community-Wide Energy Generation Actions Taken in 2015

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

(No response)

### COMMUNITY-WIDE ENERGY GENERATION - ACTIONS PROPOSED FOR 2016

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

#### 2016 Community-Wide Energy Generation Proposed Actions

Variable	Response
2016 Community-Wide Energy Generation Proposed Actions	Construction of Community Solar Garden
2016 Community-Wide Energy Generation Proposed Actions	Continuation of feasibility investigation for DES
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

Variable	Response
2015 Corporate Energy Generation Actions	Operational improvements to Sewage Treatment Plant (STP) Biogas boilers installed 2014
2015 Corporate Energy Generation Actions	New STP HVAC system for office air quality ran off excess heat from Biogas boilers vs propane
2015 Corporate Energy Generation Actions	(No response)
2015 Corporate Energy Generation Actions	(No response)
2015 Corporate Energy Generation Actions	(No response)

## Additional Corporate Energy Generation Actions Taken in 2015

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

(No response)

## CORPORATE ENERGY GENERATION - ACTIONS PROPOSED FOR 2016

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

## 2016 Energy Generation Proposed Actions

Variable	Response
2016 Energy Generation Proposed Actions	Strategic priority to investigate new sources of hydro generation
2016 Energy Generation Proposed Actions	(No response)
2016 Energy Generation Proposed Actions	(No response)
2016 Energy Generation Proposed Actions	(No response)
2016 Energy Generation Proposed Actions	(No response)

## SNAPSHOT QUESTIONS

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

- A district energy system
- A renewable energy system

### 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>

No

## Greenspace

### GREENSPACE ACTIONS

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

## COMMUNITY-WIDE

### COMMUNITY-WIDE GREENSPACE - 2015 ACTIONS

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

## 2015 Community-Wide Greenspace Actions

Variable	Response
2015 Community-Wide Greenspace Actions	Parkland dedication through approved rezoning application for the Nelson Landing Site - Red Sands Beach & waterfront pathway
2015 Community-Wide Greenspace Actions	Remediation of contaminated land through approved rezoning application for the Nelson Landing Site
2015 Community-Wide Greenspace Actions	Bank stabilization partnership program with Selkirk College
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

Variable	Response
2016 Community-Wide Greenspace Proposed Actions	Bank stabilization partnership program with Selkirk College
2016 Community-Wide Greenspace Proposed Actions	Bank stabilization at Prestige Resort
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

Variable	Response
2015 Corporate Greenspace Actions	Continuing invasive weed strategy
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

Variable	Response
2016 Greenspace Proposed Actions	Continuing invasive weed strategy
2016 Greenspace Proposed Actions	Well water feasibility study for Queen Elizabeth & Lions parks
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

Variable	Response
2015 Community-Wide Solid Waste Actions	Community composting study completed for Council
2015 Community-Wide Solid Waste Actions	Implementation of waste and recycling regulations in Zoning Bylaw 3199, 2013
2015 Community-Wide Solid Waste Actions	Implementation of the Official Community Plan Bylaw, 3247, 2013 Design Guidelines related to waste, recycling, and composting, as well as sustainability.
2015 Community-Wide Solid Waste Actions	(No response)
2015 Community-Wide Solid Waste Actions	(No response)

#### Additional Community-Wide Solid Waste Actions Taken in 2015

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



(No response)

## COMMUNITY-WIDE SOLID WASTE - ACTIONS PROPOSED FOR 2016

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

### 2016 Community-Wide Solid Waste Proposed Actions

Variable	Response
2016 Community-Wide Solid Waste Proposed Actions	Implementation of waste and recycling regulations in Zoning Bylaw 3199, 2013
2016 Community-Wide Solid Waste Proposed Actions	Implementation of the Official Community Plan Bylaw, 3247, 2013 Design Guidelines related to waste, recycling, and composting, as well as sustainability.
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

Variable	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)
2015 Corporate Solid Waste Actions	(No response)

## Additional Solid Waste Actions Taken in 2015

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

(No response)

## CORPORATE SOLID WASTE - ACTIONS PROPOSED FOR 2016

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

### 2016 Solid Waste Proposed Actions

Variable	Response
2016 Solid Waste Proposed Actions	(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?**

Yes

## Transportation

### TRANSPORTATION ACTIONS

Transportation actions that increase transportation system efficiency, emphasize the movement of people and goods, and give priority to more efficient modes, e.g. walking, cycling, ridesharing, and public transit, can contribute to reductions in greenhouse gas emissions and more livable communities.

## COMMUNITY-WIDE

### COMMUNITY-WIDE TRANSPORTATION - 2015 ACTIONS

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

#### 2015 Community-Wide Transportation Actions

Variable	Response
2015 Community-Wide Transportation Actions	Free transit bus services on earth day
2015 Community-Wide Transportation Actions	"Swim or Gym" Transit promotion (expired bus pass in exchange for single use gym pass)
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

Variable	Response
2016 Community-Wide Transportation Proposed Actions	Free transit bus services on earth day
2016 Community-Wide Transportation	Age friendly community initiative (transportation)

Proposed Actions	
2016 Community-Wide Transportation Proposed Actions	Seniors day free transit
2016 Community-Wide Transportation Proposed Actions	2 for 1 Tuesday (invite current transit riders to mentor a potential transit customer)
2016 Community-Wide Transportation Proposed Actions	Selkirk Saints Transit Promotional video

## CORPORATE

### CORPORATE TRANSPORTATION - 2015 ACTIONS

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

#### 2015 Corporate Transportation Actions

Variable	Response
2015 Corporate Transportation Actions	Install new fuel management system for better mileage tracking
2015 Corporate Transportation Actions	Completion of upgrades to the Hall Street corridor – project goals included improvements to the pedestrian realm & additional bike infrastructure, both of which contribute to reductions in GHG reductions through active transportation.
2015 Corporate Transportation Actions	Initiation of the Downtown Urban Design Strategy – this project will propose strategies to reduce GHG emissions (e.g. installing electric vehicle & bike charging stations, & improving bike & pedestrian infrastructure).
2015 Corporate Transportation Actions	Initiation of the Railtown Sustainable Neighbourhood Plan
2015 Corporate Transportation Actions	Implement Off-Street Parking and Landscape Bylaw 3274, 2013 – includes requirements for bike parking facilities on private development parcels. Also, includes reduced vehicle parking requirements for private development parcels.

#### 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).

Implement Official Community Plan Bylaw 3247, 2013

## CORPORATE TRANSPORTATION - ACTIONS PROPOSED FOR 2016

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

### 2016 Transportation Proposed Actions

Variable	Response
2016 Transportation Proposed Actions	Complete the Railtown Sustainable Neighbourhood Plan
2016 Transportation Proposed Actions	Complete the Downtown Urban Design Strategy
2016 Transportation Proposed Actions	Implement Official Community Plan Bylaw 3247, 2013
2016 Transportation Proposed Actions	Implement Off-Street Parking and Landscape Bylaw 3274, 2013 – includes requirements for bike parking facilities on private development parcels. Also, includes reduced vehicle parking requirements for private development parcels.
2016 Transportation Proposed Actions	(No response)

### SNAPSHOT QUESTIONS

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

- Walking
- Cycling
- Transit
- Electric Vehicles

**Does your local government have a Transportation Demand Management (TDM) strategy (e.g. to reduce single-vehicle occupancy trips, increase travel options, provide incentives to encourage individuals to modify travel behavior)?**

Yes

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

Yes

### Water and Wastewater

#### WATER AND WASTEWATER ACTIONS

Managing and reducing water consumption and wastewater is an important aspect of developing a sustainable built environment that supports healthy communities, protects ecological integrity, and reduces greenhouse gas emissions.

#### COMMUNITY-WIDE

#### COMMUNITY-WIDE WATER AND WASTEWATER - 2015 ACTIONS

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

#### 2015 Community-Wide Water and Wastewater Actions

Variable	Response
2015 Community-Wide Water and Wastewater Actions	Installation of approx.. 50 water meters & setup of meter reading software
2015 Community-Wide Water and Wastewater Actions	Water Smart Action Plan
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

Variable	Response
2016 Community-Wide Water and Wastewater Proposed Actions	Continue on recommendations of Water Smart Action plan
2016 Community-Wide Water and Wastewater Proposed Actions	Hire Water Smart Ambassador
2016 Community-Wide Water and Wastewater Proposed Actions	Install additional water meters on properties
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

Variable	Response
2015 Corporate Water and Wastewater Actions	Water works regulatory bylaw #3293 2015
2015 Corporate Water and Wastewater Actions	CIPP relining – sanitary collection system
2015 Corporate Water and Wastewater Actions	Additional zone wide water metering at Pressure Reducing Stations
2015 Corporate Water and Wastewater Actions	Auditing of parks watering systems
2015 Corporate Water and Wastewater Actions	(No response)

## Additional Corporate Water and Wastewater Actions Taken in 2015

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

(No response)

## CORPORATE WATER AND WASTEWATER - ACTIONS PROPOSED FOR 2016

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

### 2016 Water and Wastewater Proposed Actions

Variable	Response
2016 Water and Wastewater Proposed Actions	Sanitary bylaw
2016 Water and Wastewater Proposed Actions	CIPP relining – sanitary collection system
2016 Water and Wastewater Proposed Actions	Distribution system upgrades
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

Variable	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)
2015 Community-Wide Adaptation Actions	(No response)

#### Additional Community-Wide Adaptation Actions Taken in 2015

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

(No response)

### COMMUNITY-WIDE ADAPTATION - ACTIONS PROPOSED FOR 2016

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

#### 2016 Community-Wide Adaptation Proposed Actions

Variable	Response
2016 Community-Wide Adaptation Proposed Actions	(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

Variable	Response
2015 Corporate Adaptation Actions	Implementation of Official Community Plan Bylaw 3247, 2013
2015 Corporate Adaptation Actions	Implementation of Zoning Bylaw 3199, 2013
2015 Corporate Adaptation Actions	(No response)
2015 Corporate Adaptation Actions	(No response)
2015 Corporate Adaptation Actions	(No response)

#### Additional Corporate Adaptation Actions Taken in 2015

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

(No response)

### CORPORATE ADAPTATION - ACTIONS PROPOSED FOR 2016

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

#### 2016 Adaptation Proposed Actions

Variable	Response
2016 Adaptation Proposed Actions	Implementation of Official Community Plan Bylaw 3247, 2013
2016 Adaptation Proposed Actions	Implementation of Zoning Bylaw 3199, 2013
2016 Adaptation Proposed Actions	Stream flow monitoring
2016 Adaptation Proposed Actions	Investigate supplementary sources of water
2016 Adaptation Proposed Actions	(No response)

## SNAPSHOT QUESTIONS

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

Yes

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

Yes

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

Yes

Other

## OTHER CLIMATE ACTIONS

This section provides local governments the opportunity to report other climate actions that are not captured in the categories above.

## COMMUNITY-WIDE

### COMMUNITY-WIDE OTHER - 2015 ACTIONS

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

#### 2015 Community-Wide Other Actions

Variable	Response
2015 Community-Wide Other Actions	(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

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

## CORPORATE

### CORPORATE OTHER - 2015 ACTIONS

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

### 2015 Corporate Other Actions

Variable	Response
2015 Corporate Other Actions	(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

Variable	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)
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

Peer to Peer pilot program through EOCP

#### 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)

1236.7

### 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)

(No response)

**Total Corporate GHG Emissions for 2015: 1236.7 tCO<sub>2</sub>e**

## Reductions and Offsets

### Reporting Reductions and Offsets

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

## Reductions

If applicable, please report the 2014 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)
(No response)	(No response)

(No response)	(No response)
(No response)	(No response)

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

## Offsets

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

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

(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: 1236.7 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.

psinstadt@nelson.ca

#### **Other Opportunities for Awards and Recognition**

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

Action (CEA) Awards – The CEA awards are offered annually to a municipality or regional district implementing a project or program best integrating energy / climate planning into community planning and development, corporate operations and collaboration with public service organizations. Submission: May.<http://communityenergy.bc.ca/apply-now-for-2014-climate-energy-action-awards/UBCM> Community Excellence Awards – The UBCM Community Excellence Awards program is an opportunity to showcase municipalities and regional districts who "lead the pack", take risks to innovate, establish new partnerships, question established ways of doing business and pioneer new customer service practices. One of the five categories recognized in 2015, "Leadership & Innovation, Green Initiatives", related to climate action. Submission: July.<http://www.ubcm.ca/EN/main/convention/Awards/15021/community-excellence-awards-application.html>

## LG Info

### LOCAL GOVERNMENT INFORMATION

Variable	Response
LOCAL GOVERNMENT INFORMATION   Name of Local Government	Nelson, The Corporation of the City of
LOCAL GOVERNMENT INFORMATION   Name of member Regional District (RD)	Central Kootenay
LOCAL GOVERNMENT INFORMATION   Regional Growth Strategy (RGS) in your region	Yes
LOCAL GOVERNMENT INFORMATION   Population	10,000-49,999

### Submitted by:

Variable	Response
Submitted by:   Name	Peter Sinstadt
Submitted by:   Position	Facilities Maintenance Manager
Submitted by:   Telephone # (123-456-7890)	250-352-8218
Submitted by:   Email Address	psinstadt@nelson.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: did not complete last years survey

**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.**