

# 2015 CARIP Climate Action/Carbon Neutral Progress Survey

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*Filled Friday, May 27, 2016*

## **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	<p>Update and development of a new Community Energy and Climate Action Plan (CECAP). Work began in 2015 and is expected to be complete by July 2016. Development of the updated Plan included both a 30 person Community Advisory Group, as well as an 8 member internal Content Expert Team. The updated CECAP includes chapter dedicated to energy and GHG reductions as well as a substantive climate adaptation chapter.</p> <p>Established a multi-stakeholder Transportation Advisory Group (TAG) with a mandate to decrease congestion, decrease emissions associated with transportation and increase safety both within and to/from Whistler.</p>

## 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	Formal adoption of the updated Community Energy and Climate Action Plan, as well as initiation of phase one of the associated implementation plan. Continue the work of the Transportation Advisory Group. Begin to implement recommendations of the Advisory Group as appropriate.

## 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	Compiled and published 2014 Annual corporate GHG and energy use inventory, and presented to Council.

## 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	Publication of 2015 Annual GHG and Energy inventory and presentation to Council.

**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?

33% below 2007 levels by 2020;

80% below 2007 levels by 2050;

90% below 2007 levels by 2060.

## 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...: Corporate Carbon Neutral Operations Plan

## 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 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	High performance boiler upgrades at Cheakamus Crossing DES
	Continued to offer energy assessment rebates to residential home-owners ( <a href="http://www.whistler.ca/powerdown">www.whistler.ca/powerdown</a> )

## 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	Continued to offer energy assessment rebates to residential home-owners ( <a href="http://www.whistler.ca/powerdown">www.whistler.ca/powerdown</a> )
	Explore options to extend energy assessment rebates to the commercial sector

## 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	LED lighting upgrades to underground parkades in Whistler Village
	LED lighting upgrades to Valley Trail network
	High performance upgrades to air handling units at Municipal Hall
	LED lighting upgrades to pool lighting systems at Meadow Park Sports Centre

## 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	Continued LED retrofits in underground parkades
	Continued LED retrofits to Valley Trail lighting system
	LED retrofits to overhead street lighting

## 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	Exploration of solar photovoltaic installation at Meadow Park Sports Centre

### Is your local government operating...

- A district energy system, yes

**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 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 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	Continued support of the Cheakamus Community Forest carbon offset project. Policy support as well as direct purchase support.

## 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	Continued support of the Cheakamus Community Forest carbon offset project. Policy support as well as direct purchase support.

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

No

## 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 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	Expansion of compost diversion outreach and awareness programs
	Update of solid waste pricing bylaw to encourage expanded diversion
	Refined and formalized plans for the development of a substantively improved recycling and waste depot at Nesters
	pilot project outreach to the hotel and strata sectors designed to increase solid waste diversion practices and infrastructure
	continued active involvement with commercial sector on voluntary industry-led plastic bag reduction strategies and programs

## 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	Construction of a substantively improved recycling and waste depot at Nesters
	continued expansion of compost diversion outreach and awareness programs
	implementation of updated solid waste and recycling stream pricing structures
	expanded and improved messaging on public realm recycling bins through parks and Village

## 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	installation of improved and streamlined recycling infrastructure in municipal facilities

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

No

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

Yes

## TRANSPORTATION 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 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	Community outreach and design development for substantive upgrade to Gateway Loop multi-modal transportation hub  convened and empowered a new Transportation Advisory Group to evaluate options and opportunities to reduce local and regional



congestion issues and decrease transportation-related GHG emissions
installation of new Level III (DCFC) electric vehicle charger in Whistler Village

## 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	continue to support the new Transportation Advisory Group to evaluate options and opportunities to reduce local and regional congestion issues and decrease transportation-related GHG emissions
	construct the planned improvements to the Gateway Loop multi-model transportation hub
	evaluate additional opportunities to expand transit service levels
	completion of critical link in self-propelled Valley Trail network between Alpine Meadow and Nesters neighbourhoods

## 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	continued execution of fleet right-sizing initiative

## 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	completed the purchase of a new electric fleet vehicle
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### Does your local government have policies, plans or programs to support:

- Walking, yes
- Cycling, yes
- Transit, yes
- Electric Vehicles, yes

**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 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 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	continued execution of RMOW comprehensive water supply and conservation plan
	Phase One replacement of old (leaky) neighbourhood water distribution system in Alpine Meadows neighbourhood

### 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	Phase Two replacement of old (leaky) neighbourhood water distribution system in Alpine Meadows neighbourhood
	participation in national water week

### 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 |

development and execution of a conservation strategy for  
municipal irrigation systems

**Does your local government have water conservation policies, plans or  
programs?**

Yes

## 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 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	Community engagement and development of a new community adaptation plan as part of the Community Energy and Climate Action Plan (CECAP) Support for the development of weather-independent attractions in Whistler Village (eg. Audain Art Museum)

## 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	Formal adoption of a new community adaptation plan as part of the Community Energy and Climate Action Plan (CECAP)

**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

### **Programs, Partnerships and Funding Opportunities**

Local governments often rely on programs, partnerships and funding opportunities to achieve their climate action goals. Please share the names of programs and organizations that have supported your local government's climate actions by listing each entry in the appropriate box below separated by a forward slash / (e.g. program1/program2/...).

### **Programs, Partnerships and Funding**

BC Hydro/FortisBC

## 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)

1,467

#### 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)

284

**Total Corporate GHG Emissions for 2015: 1751.0 tCO<sub>2</sub>e**

### 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

## 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))

1,751

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

Currently executing voluntary emission reduction purchase agreements with the Cheakamus Community Forest for 1,751 tCO<sub>2</sub>e worth of formally validated and verified offset products.

Purchase is expected to be finalized in June, 2016.

**2015 OFFSETS = 1751 tCO<sub>2</sub>e**

**2015 REDUCTIONS AND OFFSETS = 1751.0 tCO<sub>2</sub>e**

Your local government's Corporate GHG Emissions Balance is the difference between total corporate GHG emissions (direct + contracted emissions) and the GHG emissions reduced through GCC Option 1 and Option 2 projects and/or the purchase of offsets.

**2015 CORPORATE GHG EMISSIONS BALANCE: 0.0 tCO<sub>2</sub>e**

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



## Green Communities Committee (GCC) Climate Action Recognition Program

The joint Provincial-UBCM Green Communities Committee (GCC) is pleased to be continuing the Climate Action Recognition Program again this year. This multi-level program provides the GCC with an opportunity to review and publicly recognize the progress and achievements of each Climate Action Charter (Charter) signatory. Recognition is provided on an annual basis to local governments who demonstrate progress on their Charter commitments, according to the following:

Level 1 - Progress on Charter Commitments: for local governments who demonstrate progress on fulfilling one or more of their Charter commitments

Level 2 - Measurement: for local governments who have measured their Corporate GHG Emissions for the reporting year and demonstrate that they are familiar with the Community Energy and Emissions Inventory (CEEI)

Level 3 - Achievement of Carbon Neutrality: for local governments who achieve carbon neutrality in the reporting year.

**Based on your local government's 2015 Climate Action/Carbon Neutral Progress Survey, please check the GCC Climate Action Recognition Program level that best applies:**

Level 3 - Achievement of Carbon Neutrality

### LOCAL GOVERNMENT INFORMATION

Variable	Response
LOCAL GOVERNMENT INFORMATION   Name of Local Government	Whistler, Resort Municipality of
LOCAL GOVERNMENT INFORMATION   Name of member Regional District (RD)	Squamish-Lillooet
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

Ted Battiston

Submitted by: | Position

Director, Corporate, Economic and Environmental Services

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