

# 2015 CARIP Climate Action/Carbon Neutral Progress Survey

Created Friday, May 20, 2016

<http://fluidsurveys.com/surveys/irpb/2015-carip-survey/d29f58655852a39e8724de2221dbecf7b69e84ea/>

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## Introduction

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

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

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

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

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

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

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

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

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

### **Information Highlights**

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

Detailed Instructions and FAQs can be found here:

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

Supporting Word Template can be found here:

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

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

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

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

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

## Broad Planning

### **BROAD PLANNING ACTIONS**

Broad planning refers to high level planning that sets the stage for GHG emissions reductions, including plans such as Official Community Plans, Integrated Community Sustainability Plans, Climate Action Plans or Community Energy Emissions Plans. Land use planning that focuses on Smart Growth principles (compact, complete, connected, centred) plays an especially important role in energy and GHG reduction.

### **COMMUNITY-WIDE**

#### **COMMUNITY-WIDE BROAD PLANNING - 2015 ACTIONS**

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

#### **2015 Community-Wide Broad Planning Actions**

2015 Community-Wide Broad Planning Actions	New Sustainable Community Development Division works with External Relations on community education and engagement. Division also works with Regional District to explore feasibility for Community Energy Program manager
2015 Community-Wide Broad Planning Actions	Continued to implement the Active Transportation Plan
2015 Community-Wide Broad Planning Actions	Continued to implement policies on climate adaptation outlined in City's Official Community Plan
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	Multi-Family Revitalization Tax Exemption Bylaw (MFRTE)
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2016 Community-Wide Broad Planning Proposed Actions	Continue to implement the Active Transportation Plan
2016 Community-Wide Broad Planning Proposed Actions	Continue to implement policies on climate adaptation outlined in City's Official Community Plan
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	City staff continues to use myPG Goals and OCP to reduce carbon emissions and adapt to climate change.
2015 Corporate Broad Planning Actions	New Sustainable Community Development division created
2015 Corporate Broad Planning Actions	Public Talktober neighbourhood events – to gain feedback from community
2015 Corporate Broad Planning Actions	City Staff continue to work within Energy Efficiency and GHG Reduction, and City Fleet Idling Policy
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	Continue to use myPG Goals and OCP to reduce carbon emissions and adapt to climate change.
2016 Corporate Broad Planning Proposed Actions	Public Talktober neighbourhood events – to gain feedback from community
2016 Corporate Broad Planning Proposed Actions	City Staff continue to work within Energy Efficiency and GHG Reduction, and City Fleet Idling Policy

2016 Corporate Broad Planning Proposed Actions	Corporate Plan 2016-2018 identifies key corporate strategies for environment to be: - Improve air quality, and build education and awareness in community - Prioritize active modes of transportation and connected network through the Active Transportation Plan - Employ Transportation Demand Management tools - Refocus on Transit Planning - Monitor and advance the City's Energy and Greenhouse Gas Management Plan (Corporate and Community) - Expand the Downtown District Energy System Service to external customers
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?**

*Reductions in OCP: Corporate 20%, Community 2% from 2002 to 2012*

**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
- Community-Wide Action Plan
- OCP

## Building and Lighting

### **BUILDING AND LIGHTING ACTIONS**

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

### **COMMUNITY-WIDE**

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

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

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

2015 Community-Wide Building and Lighting Actions	Street lighting upgraded to LED when replacements needed
2015 Community-Wide Building and Lighting Actions	3rd party monitoring of energy consumption for LEED Gold certification for new RCMP building
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	Street lighting upgraded to LED when replacements needed
2016 Community-Wide Building and Lighting Proposed Actions	3rd party monitoring of energy consumption for LEED Gold certification for new RCMP building

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	CN Centre arena upgrade to LED lights
2015 Corporate Building and Lighting Actions	Solid Waste building lighting upgrade to T5HO
2015 Corporate Building and Lighting Actions	Aquatic Centre boiler upgrade
2015 Corporate Building and Lighting Actions	Aquatic Centre Pool LED lighting upgrade
2015 Corporate Building and Lighting Actions	Kin Centre 2/3 Zamboni hotwater upgrade to instantaneous condensing

#### **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**).

*Performed several lighting assessments/Elder Citizens Recreation Association Centre furnace upgrade/2% reduction in energy intensity in civic buildings/Energy tips and surveys posted on CPG intranet page/Staff informed and encouraged to practice energy saving techniques in the day to day conducting of their duties*

### **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	Upgrade to LED lights: City Hall (expected 5500 kWh reduction) and 18th Ave Yard (expected 10000 kWh reduction) exterior lights, lights on 3rd and 4th floor of City Hall (expected 88000 kWh reduction), Aquatic Centre (expected 300,000 kWh reduction), Civic Centre (expected 400,000 kWh reduction). Upgrade lights at Southridge tennis courts/ice rink to LED
2016 Building and Lighting Proposed Actions	Upgrade Elk Centre arena lights (expected 166,256 kWh reduction) and Aquatic Centre Pool lights (expected 11000 kWh reduction).
2016 Building and Lighting Proposed Actions	Upgrade to 50 HP VFD electric motor controller at Coliseum

2016 Building and Lighting Proposed  
Actions |

Upgrade DDC control system at Library and CN Center

2016 Building and Lighting Proposed  
Actions |

“Lights off” and “Power off” sticker campaign, friendly reminders to staff to turn off  
lights and monitors when they are not in use



## 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	City staff continues to identify opportunities for connections to District Energy System.
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	City staff continues to identify opportunities for connections to District Energy System.
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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	Corporate Energy Manager, Building/Facility managers
2015 Corporate Energy Generation Actions	Continued use of solar water heating at solar wall component of HVAC system in the new RCMP building and solar panels on the aquatic centre for water heating.
2015 Corporate Energy Generation Actions	Contributing member of Community Energy Association
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	Additional connections to District Energy System
2016 Energy Generation Proposed Actions	Continued use of solar water heating and solar at the new RCMP building and solar panels on the aquatic centre for water heating.

2016 Energy Generation Proposed Actions	Contributing member of Community Energy Association
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

### Is your local government operating...

- A district energy system
- 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	Continued requirement for green space in subdivision applications
2015 Community-Wide Greenspace Actions	Continued enforcement of Riparian Area Development Permit areas through Development Services
2015 Community-Wide Greenspace Actions	Prince George Centennial Trails Project
2015 Community-Wide Greenspace Actions	Continuing to work within City of Prince George's Official Community Plan objectives and policies on brownfield redevelopment, wildlife, and greenspace.
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	Continued requirement for green space in subdivision applications
2016 Community-Wide Greenspace Proposed Actions	Continued enforcement of Riparian Area Development Permit areas through Development Services
2016 Community-Wide Greenspace Proposed Actions	Tree Day Public Event in September to promote urban forests in Prince George – trees were donated to plant around the City

2016 Community-Wide Greenspace Proposed Actions	Continuing to work within City of Prince George’s Official Community Plan objectives and policies on brownfield redevelopment, wildlife, and greenspace.
2016 Community-Wide Greenspace Proposed Actions	City staff are involved with the new Nechako Watershed Strategy Technical Advisory Committee

**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	Purchased Klein gravel pit, with intention to move to parkland
2015 Corporate Greenspace Actions	Creation of park space in downtown
2015 Corporate Greenspace Actions	Park and Open Space Strategy study
2015 Corporate Greenspace Actions	Full time staff member dedicated to invasive species and pest management
2015 Corporate Greenspace Actions	City staff continuously investigating property options to purchase with intention to move to parkland

**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)**.

*Connected cemetery to irrigation system to assist trees growth and increase irrigation efficiency and water conservation and planted 10 trees/Planted a number of shade trees throughout Duchess Park, reseeded Duchess Park and installed irrigation to promote growth of new trees/100 trees were mulched to assist with tree growth and water retention*

**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	RFP for detailed design for open bottom culvert replacement on fish-bearing McMillan Creek
2016 Greenspace Proposed Actions	Replacing culvert on Willowdale Rd with a bridge over fish-bearing Haggith Creek
2016 Greenspace Proposed Actions	Park Strategy – Under development and will prioritize park investment, including prioritizing improvements to neighbourhood active transportation linkages to and from parks/schools
2016 Greenspace Proposed Actions	Planting \$60,000 of trees throughout City Bowl and Decommissioning Heather Park from recreational facility to create natural greenspace
2016 Greenspace Proposed Actions	Ginters Meadow park trails to be paved to encourage access for all mobility levels, 150-300 m of trails at Lehidli T’enneh park will be rehabilitated. Also, assessment of erosion occurring in Cottonwood Island Nature Park – trail and natural space rehabilitation.

## SNAPSHOT QUESTION

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

Yes

## Solid Waste

### **SOLID WASTE ACTIONS**

Reducing, reusing, recycling, recovering and managing the disposal of the residual solid waste minimizes environmental impacts and supports sustainable environmental management, greenhouse gas reductions, and improved air and water quality.

### **COMMUNITY-WIDE**

#### **COMMUNITY-WIDE SOLID WASTE - 2015 ACTIONS**

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

##### 2015 Community-Wide Solid Waste Actions

2015 Community-Wide Solid Waste Actions	Continued use of MyWaste App, created by the CPG and RDEFG, by the community
2015 Community-Wide Solid Waste Actions	CPG partnership with REAPs for Earth Day, composting program and free waste audit
2015 Community-Wide Solid Waste Actions	CPG partnership with REAPS for Spring Clean Up
2015 Community-Wide Solid Waste Actions	Continued curb-side recycling pickup by Emterra recycling program – service centre staff direct residents to correct information
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	Continued use of MyWaste App, created by the CPG and RDEFG, by the community
2016 Community-Wide Solid Waste Proposed Actions	CPG partnership with REAPs for Earth Day, composting program and free waste audit
2016 Community-Wide Solid Waste Proposed Actions	CPG partnership with REAPS for Spring Clean Up

2016 Community-Wide Solid Waste Proposed Actions	Continued curb-side recycling pickup by Emterra recycling program – service centre staff direct residents to correct information
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	Continued recycling program at City 18th Ave Yard recycling
2015 Corporate Solid Waste Actions	Implementing waste reduction standards and processes.
2015 Corporate Solid Waste Actions	Claxton landfill air curtain methane detection staff training
2015 Corporate Solid Waste Actions	Upgraded small garbage truck to a newer model that produces less emissions
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	Elimination of change fee for transferring to small garbage can, from a medium or large, to encourage less waste production
2016 Solid Waste Proposed Actions	Continued recycling program at City 18th Ave Yard
2016 Solid Waste Proposed Actions	Looking into implementing City corporate recycling and Implementing waste reduction standards and processes.
2016 Solid Waste Proposed Actions	Claxton landfill air curtain methane detection staff training
2016 Solid Waste Proposed Actions	Study of going to a 4 day/4 zone workweek collection

**SNAPSHOT QUESTIONS**



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

*No*

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

*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	Participation in Bike to Work Week
2015 Community-Wide Transportation Actions	Free fare for Clean air – free transit on Air Quality advisory days
2015 Community-Wide Transportation Actions	Remarkd bike lanes in city boundaries to encourage cycling.
2015 Community-Wide Transportation Actions	Addition of new bicycle lane on North Nechako Rd and surfacing of trunk water main trail between 18th Ave and Massey Blvd for cycling usage
2015 Community-Wide Transportation Actions	Installation of bike racks in downtown through partnership with City of PG, Rotary and DBIA to encourage cycling.

#### **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)**.

*2015 Canada Winter Games took place in Prince George February 13th-28th – UNBC students fundraised to provide free public transit during the games/Loaned electric car for usage during the 2015 Canada Winter Games.*

#### **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	Participation in Bike to Work Week.
2016 Community-Wide Transportation Proposed Actions	Renewing Community Partnership of shared use of Nissan Leaf electric car with Regional District, UNBC and Northern Health

2016 Community-Wide Transportation Proposed Actions	50/50 funding from BikeBC as part of Capital Plan for the Bicycle Route Improvement project – upgrading and physically marking and signing existing bicycle routes
2016 Community-Wide Transportation Proposed Actions	New trails and trail rehabilitation – includes accessible trail routes and improvements to commuter and recreational trails.
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	4th Ave changed from 3 lanes two-way to 2 lanes one-way to slow down traffic, and create a safer distance for cyclists and pedestrians
2015 Corporate Transportation Actions	Implementation of Active Transportation Plan – bike laning on North Nechako Rd, and section of Foothills Blvd, watermain trail between 18th Ave and Massey Blvd
2015 Corporate Transportation Actions	Continued use of Nissan Leaf – electric car
2015 Corporate Transportation Actions	Implementation of Fleet GPS system to improve fuel efficiencies
2015 Corporate Transportation Actions	Continued expansion and improvement of the Active Transportation Plan Network annually which encourages a shift towards active modes of transportation.

#### **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)**.

*\$450,000 was spent on upgrading existing sidewalks (portions of Southridge Blvd, Westwood Dr, 9th Ave, 10th Ave, 15th Ave, Carney St, Massey Dr) and building new sidewalks (Gladstone Cres) to improve and encourage walking.*

### **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	Hiring of new transit planner
2016 Transportation Proposed Actions	Continued participation in Bike to Work Week

2016 Transportation Proposed Actions	Pedestrian Network Assessment – Will prioritize sidewalk and walkway improvements throughout the community plus \$500,000 will be spent on upgrading existing sidewalks and building new sidewalks to improve and encourage walking.
2016 Transportation Proposed Actions	Continued expansion and improvement of the Active Transportation Plan Network annually which encourages a shift towards active modes of transportation.
2016 Transportation Proposed Actions	Centennial Trail Loop – a 30 km Centennial trail loop was launched through an App that uses existing trails, sidewalks, bike lanes and walkways throughout the community.

## 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

2015 Community-Wide Water and Wastewater Actions	CPG partnership with REAPs for rain barrel program
2015 Community-Wide Water and Wastewater Actions	Water restrictions are in effect 365 days a year, that enforce residents to sprinkle outside of peak evapotranspiration times
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	CPG partnership with REAPs for rain barrel program
2016 Community-Wide Water and Wastewater Proposed Actions	Water restrictions are in effect 365 days a year, that enforce residents to sprinkle outside of peak evapotranspiration times

2016 Community-Wide Water and Wastewater Proposed Actions	City of Prince George Drinking Water Week poster contest in collaboration with SD57
2016 Community-Wide Water and Wastewater Proposed Actions	Continuation of Volunteer Water Meter Program
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	Ongoing awareness of inappropriate water sprinkling and monitoring of system to reduce leaks
2015 Corporate Water and Wastewater Actions	CCTV camera inspection training of sewer mains to determine defects and repair to reduce infiltration of groundwater
2015 Corporate Water and Wastewater Actions	Continue sewer main relining and grouting manholes to reduce inflow and infiltration to reduce wastewater treatment costs.
2015 Corporate Water and Wastewater Actions	Expansion of irrigation system connected to sentinel system (automated water conservation)
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	Ongoing awareness of inappropriate water sprinkling and monitoring of system to reduce leaks and CCTV camera inspection training of sewer mains to determine defects and repair to reduce infiltration of groundwater
2016 Water and Wastewater Proposed Actions	Wastewater Treatment Centre (WWTC) boiler turbine integration and digester upgrade and continue sewer main relining and grouting manholes to reduce inflow and infiltration to reduce wastewater treatment costs. Implementation of Odour Master Plan – Phase 1 at the WWTC.

2016 Water and Wastewater Proposed Actions	Catchbasin replacement program on stormwater system
2016 Water and Wastewater Proposed Actions	Expansion of irrigation system connected to sentinel system (automated water conservation)
2016 Water and Wastewater Proposed Actions	Finalize Water Conservation Plan, complete Sanitary Sewer Bylaw updates and begin revising Stormwater Bylaw

## 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	Phase 2 and 3 of Carbon Footprint Reduction program with partners, PG Chamber of Commerce, City of PG, and UNBC
2015 Community-Wide Adaptation Actions	Continuing to work within City of Prince George’s Official Community Plan objectives and policies on Climate Change Adaptation. The City takes a leadership role in promoting adaptation to climate change and considering the priorities outlined in the 2009 “Adapting to Climate Change in Prince George.”
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	Continuing to work within City of Prince George’s Official Community Plan objectives and policies on Climate Change Adaptation. The City takes a leadership role in promoting adaptation to climate change and considering the priorities outlined in the 2009 “Adapting to Climate Change in Prince George.”
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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 	Completion of study performed by UWaterloo student, Lindsay Matthew, regarding Climate Change and Transportation in Prince George – Implications of Climate Change for Snow and Ice Control and Road Safety
2015 Corporate Adaptation Actions 	Interim Director of Engineering and Public Works, Dave Dyer, presented on “Preparing for the Impacts of Climate Change on Local Government” at LGMA Conference & AGM in June 2015
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 	Development of snow removal budgeting model, which will incorporate data from UWaterloo study regarding Climate Change and Transportation in Prince George – Implications of Climate Change for Snow and Ice Control and Road Safety
2016 Adaptation Proposed Actions 	(No response)
2016 Adaptation Proposed Actions 	(No response)
2016 Adaptation Proposed Actions 	(No response)
2016 Adaptation Proposed Actions 	(No response)

## SNAPSHOT QUESTIONS

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

*Yes*

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

*Yes*

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

*Yes*

## Other

### **OTHER CLIMATE ACTIONS**

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

### **COMMUNITY-WIDE**

#### **COMMUNITY-WIDE OTHER - 2015 ACTIONS**

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

##### 2015 Community-Wide Other Actions

2015 Community-Wide Other Actions	Continue street sweeping to improve air quality. Send out reminder letters to contractors and large parking lot owners in town to educate on proper sweeping procedures to maintain air quality.
2015 Community-Wide Other Actions	Regulate open burning, wood stoves and sweeping under the Clean Air Bylaw
2015 Community-Wide Other Actions	(No response)
2015 Community-Wide Other Actions	(No response)
2015 Community-Wide Other Actions	(No response)

#### **COMMUNITY-WIDE OTHER - ACTIONS PROPOSED FOR 2016**

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

##### 2016 Community-Wide Other Proposed Actions

2016 Community-Wide Other Proposed Actions	Provided feedback on "Building BCs Climate Leadership Plan"
2016 Community-Wide Other Proposed Actions	Continue street sweeping to improve air quality. Send out reminder letters to contractors and large parking lot owners in town to educate on proper sweeping procedures to maintain air quality.
2016 Community-Wide Other Proposed Actions	Regulate open burning, wood stoves and sweeping under the Clean Air Bylaw
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	Member of PGAir Board of Directors and Operational Committee
2015 Corporate Other Actions	Reinstating environmental positions – hired two new environmental assistants
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	Member of PGAir Board of Directors and Operational Committee
2016 Other Proposed Actions	Two new Environmental Assistants working together on environmental and climate related projects.
2016 Other Proposed Actions	Development of GHG Report Card for the City
2016 Other Proposed Actions	Enrolled as member in Carbon Disclosure Program (CDP Cities)
2016 Other Proposed Actions	(No response)

## Innovation/Peer Learning

### INNOVATION AND PEER LEARNING

#### **Innovation**

This section provides the opportunity to showcase an innovative Corporate and/or Community-wide reduction or adaptation activity that your local government has undertaken and that has had a significant impact or has the potential to have a significant impact. You are welcome to repeat an action that has already been listed.

Projects included here may be featured as success stories on the B.C. Climate Action Toolkit and/or shared with other local governments to inspire further climate action. Please add links to additional information where possible.

#### Community-Wide Innovation

*(No response)*

#### Corporate Innovation

*(No response)*

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

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

#### Programs, Partnerships and Funding

*Federation of Canadian Municipalities*

*Community Energy Association*

*PGAir*

*University of Waterloo – graduate student research*

*University of Northern British Columbia*

## 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)

7406

**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)

1693

**Total Corporate GHG Emissions for 2015: 9099.0 tCO<sub>2</sub>e**

## Reductions and Offsets

### **Reporting Reductions and Offsets**

To be carbon neutral, a local government must balance their TOTAL corporate GHG emissions by one or a combination of the following actions:

undertake Option 1 Projects (Green Communities Committee (GCC)-supported)

undertake Option 2 Projects (alternative) community GHG emissions reduction projects that meet project eligibility requirements

purchase carbon offsets from a credible offset provider

### **Reductions**

**If applicable, please report the 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)

**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: 9099.0 tCO<sub>2</sub>e**

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

**CONGRATULATIONS!**



## Recognition

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

The joint Provincial-UBCM Green Communities Committee (GCC) is pleased to be continuing the Climate Action Recognition Program again this year. This multi-level program provides the GCC with an opportunity to review and publicly recognize the progress and achievements of each Climate Action Charter (Charter) signatory.

Recognition is provided on an annual basis to local governments who demonstrate progress on their Charter commitments, according to the following:

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

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

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

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

*Level 2 - Measurement*

#### **Email Address**

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

*andrea.byrne@princegeorge.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	Prince George, City of
LOCAL GOVERNMENT INFORMATION   Name of member Regional District (RD)	Fraser-Fort George
LOCAL GOVERNMENT INFORMATION   Regional Growth Strategy (RGS) in your region	No
LOCAL GOVERNMENT INFORMATION   Population	50,000-99,999

**Submitted by:**

Submitted by:   Name	Andrea Byrne
Submitted by:   Position	Environmental Assistant
Submitted by:   Telephone # (123-456-7890)	250-561-7795
Submitted by:   Email Address	andrea.byrne@princegeorge.ca

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

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

*Somewhat improved*

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

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

*Yes*

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