

2015 CARIP Climate Action/Carbon Neutral Progress Survey

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.

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 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

2015 Community-Wide Broad Planning Actions

Variable	Response
2015 Community-Wide Broad Planning Actions	Active Transportation Survey. "Walking & Wheeling in the Puddle" community survey conducted in order to identify current active transportation habits in Williams Lake, and to identify priorities for pathways that will encourage active travel to more local destinations in the Lake City
2015 Community-Wide Broad Planning Actions	Small Town Love. In collaboration with Small Town Love, community groups hosted events aimed at increased awareness of local agricultural food production, active transportation, and small business entrepreneurs.

2015 Community-Wide Broad Planning Actions |

San Jose Watershed Planning Group continued to liaise and to focus on watershed health, across boundaries.

2016 Community-Wide Broad Planning Proposed Actions

Variable	Response
2016 Community-Wide Broad Planning Proposed Actions	Williams Lake Air Quality Committee will review an Atlantic Power application for amended air emissions permit.
2016 Community-Wide Broad Planning Proposed Actions	Community groups leading events aimed at increased awareness of local agricultural food production, active transportation, and small business entrepreneurs.
2016 Community-Wide Broad Planning Proposed Actions	San Jose Watershed Planning Group will continue to liaise and to focus on watershed health, across boundaries.
2016 Community-Wide Broad Planning Proposed Actions	Active Transportation Forum is proposed in spring 2016.

CORPORATE

2015 Corporate Broad Planning Actions

Variable	Response
2015 Corporate Broad Planning Actions	Council held two workshops at start of its term of office to focus on the Integrated Community Sustainability Plan, on Strategic Planning, and on the Williams Lake Official Community Plan. Implemented ICSP objectives into capital budgeting and planning.
2015 Corporate Broad Planning Actions	Transit Service Review. Worked with BC Transit to improve the efficiency and ridership satisfaction within the City's conventional transit service.
2015 Corporate Broad Planning Actions	Municipal Fleet Review. Reduced size of parks and public works fleet by 40 pieces of equipment in effort to reduce emissions.
2015 Corporate Broad Planning Actions	Asphalt Hotbox. Purchased asphalt hotbox enabling the City to recycle small amounts of asphalt. Action taken upon closing of local asphalt supplier, to avoid transport of asphalt from closest producers over 100 km distant.
2015 Corporate Broad Planning Actions	Water wise program. Continued waste wise and water conservation initiatives in partnership with Cariboo Chilcotin Conservation Society.

2016 Corporate Broad Planning Proposed Actions

Variable	Response
2016 Corporate Broad Planning Proposed Actions	Incorporate ICSP objectives and Asset Management principles into Capital Planning and Budgeting.
2016 Corporate Broad Planning Proposed Actions	Business Facade Grants and Property Revitalization Tax Exemption Programs. Increase awareness of three funding programs designed to encourage building investments that incorporate energy efficiency. Programs in partnership with Northern Development Initiative Trust.
2016 Corporate Broad Planning Proposed Actions	Municipal fleet upgrades. Budget for ongoing replacement of 20 year and older heavy equipment with more efficient and cleaner energy vehicles.
2016 Corporate Broad Planning Proposed Actions	Non Profit sustainable management. Work with community non profit groups to prepare sustainable plans for the upgrade and maintenance of buildings and properties leased from the City.
2016 Corporate Broad Planning Proposed Actions	Wayfinding and Signage. Complete designs for refurbishing directional signage and to add pedestrian friendly signage to key public buildings and community gathering locations.

SNAPSHOT QUESTIONS

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

33% by 2020 and 80% by 2050 based on the 2009 Corporate GHG inventory.

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

- Integrated Community Sustainability Plan
- OCP
- Other, please specify...: Five Year Capital Plan; Energy wise development permit area.

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

2015 Community-Wide Building and Lighting Actions

Variable	Response
2015 Community-Wide Building and Lighting Actions	Three large businesses in the city made significant investments in new buildings with state of art energy efficiency.

2016 Community-Wide Building and Lighting Proposed Actions

Variable	Response
2016 Community-Wide Building and Lighting Proposed Actions	(No response)

CORPORATE

2015 Corporate Building and Lighting Actions

Variable	Response
2015 Corporate Building and Lighting Actions	Cariboo Memorial Recreation Centre Expansion. As a participating member of the Cariboo Regional District and primary contributor to the Recreation Centre expansion, Williams Lake included energy efficiencies into design and lighting choices.

2016 Building and Lighting Proposed Actions

Variable	Response
2016 Building and Lighting Proposed Actions	Energy and water efficiency criteria are built into each building renovation as it is designed.

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

2015 Community-Wide Energy Generation Actions

Variable	Response
2015 Community-Wide Energy Generation Actions	Local Co-Generation Plant is collaborating with Williams Lake Economic Development Corporation in exploring reuse of heat emissions.

2016 Community-Wide Energy Generation Proposed Actions

Variable	Response
2016 Community-Wide Energy Generation Proposed Actions	(No response)

CORPORATE

2015 Corporate Energy Generation Actions

Variable	Response
2015 Corporate Energy Generation Actions	Feasibility Study, reuse. The City's Economic Development Corporation, in partnership with Food Policy Council explored possibility of partnering with local co-generation plant to transfer excess heat emissions from one property to support greenhouses on an adjacent property.

2016 Energy Generation Proposed Actions

Variable	Response
2016 Energy Generation Proposed Actions	Economic Development Corporation will commission a complete feasibility study to explore potential for transferring excess heat emissions from the local co-generation plant to heat greenhouses on an adjacent property.

2016 Energy
Generation Proposed
Actions |

Economic Development Corporation feasibility study will further assess options for a municipal energy service area.

SNAPSHOT QUESTIONS

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

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

2015 Community-Wide Greenspace Actions

Variable	Response
2015 Community-Wide Greenspace Actions	(No response)

2016 Community-Wide Greenspace Proposed Actions

Variable	Response
2016 Community-Wide Greenspace Proposed Actions	(No response)

CORPORATE

2015 Corporate Greenspace Actions

Variable	Response
2015 Corporate Greenspace Actions	River Valley Park and Trail Extensions. Offer to purchase former rail industrial lands as expansion of the River Valley Park adjacent to the central business core and completing waterfront trail system between downtown and Scout Island. Further protection of valuable marsh habitat and restoration of brownfield lands.
2015 Corporate Greenspace Actions	Forest Health. Remove over 100 beetle infested trees from City Parks to reduce infestation of healthy trees.
2015 Corporate Greenspace Actions	Forest health. Incorporate beetle management into 2015/16 forest harvest in Williams Lake Community Forest.
2015 Corporate Greenspace Actions	Forest health. Deployed the Williams Lake Structural Protection Unit to assist interface firefighting efforts in neighboring community during 2015 forest fire season. The trailer is able to protect up to 24 structures by installing sprinklers ahead of the fire, supporting efforts by provincial fire crews.

2015
Corporate Greenspace
Actions |

Boitanio Park and Scout Island Events. Regular events scheduled in Boitanio Park and at Scout Island to enhance use and community pride; including summer day camps, Music in the Park, farmers market, Nature kindergarten.

2016 Greenspace Proposed Actions

Variable	Response
2016 Greenspace Proposed Actions	River Valley Park and Trail Extensions. Complete purchase of former rail industrial lands and development of trailheads and trails expanding the waterfront trail system between downtown and Scout Island. Further protection of valuable marsh habitat and restoration of brownfield lands.
2016 Greenspace Proposed Actions	Parks disposition. Pursue recommendations of the 2011 Parks, Trails and Outdoor Recreation Master Plan and consult on disposition of limited use parks for purpose of trail development and River Valley park expansion.
2016 Greenspace Proposed Actions	Forest health. Replanting areas of city parks harvested to remove beetle infested trees.
2016 Greenspace Proposed Actions	Forest health. Incorporate fire interface measures and beetle management into 2016/17 forest harvest in Williams Lake Community Forest.

SNAPSHOT QUESTION

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

Yes

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

2015 Community-Wide Solid Waste Actions

Variable	Response
2015 Community-Wide Solid Waste Actions	(No response)

2016 Community-Wide Solid Waste Proposed Actions

Variable	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	Atlantic Power Memorandum of Understanding. Entered agreement to investigate expansion of property for storage of residual ash. Atlantic Power processes wood waste from local mills to produce power for BC Hydro, and enabled the closing of beehive burners.
2015 Corporate Solid Waste Actions	Landfill lease storm drainage design. Undertook engineer design for upgrade of storm drainage, enabling expansion of landfill operations and increased sorting of materials for recycling.

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)

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 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

2015 Community-Wide Transportation Actions

Variable	Response
2015 Community-Wide Transportation Actions	Bike to Work and School Week found an amazing 16 teams and 164 riders registered. Collectively, over 4000 km were cycled, saving 852 kg of greenhouse gases in this one week.
2015 Community-Wide Transportation Actions	CN Rail operates an average of six freight trains a day through Williams Lake, an energy efficient alternative to use of Highway 97 for provincial transport traffic.
2015 Community-Wide Transportation Actions	Interior Health operates a weekly bus shuttle service from Williams Lake to specialist medical appointments in Kamloops, an energy efficient alternative to private vehicle transportation.
2015 Community-Wide Transportation Actions	Downtown Parking Service. Central Business District owners and businesses contribute to a collaborative parking service that enables the city to purchase and operate parking lots accessible to employees, customers and tourists, relieving air emissions from vehicles circling for on street parking.

2016 Community-Wide Transportation Proposed Actions

Variable	Response
2016 Community-Wide Transportation Proposed Actions	Passenger Rail advocacy. Partner with other communities along the Fraser River to advocate for return of passenger rail service from North Vancouver to Prince George, using the former BC Rail line.

CORPORATE

2015 Corporate Transportation Actions

Variable	Response
2015 Corporate Transportation Actions	Pavement Rehabilitation Program. Continuing to support a multi-year approach to street paving with priority given to extending the life of roads rather than reconstruction. This approach enables recycling of asphalt and retains the road bed.
2015 Corporate Transportation Actions	Active Transportation. With support of new Council, continued partnership with Interior Health and community leaders in Active Transportation Committee to raise awareness of low emission transportation modes and of local agricultural produce, creating synergy and support for changing personal behaviors.
2015 Corporate Transportation Actions	Cross boundary road connections. Consult with provincial approving officer, with Cariboo Regional District, and with Ministry of Forest, Lands and Natural Resource Operations on local road connections across municipal boundaries.
2015 Corporate Transportation Actions	Toop Road Interchange. Budget municipal contributions for local road improvements including bike routes and sidewalks associated with Highway 97 interchange design completed by Ministry of Transportation and Infrastructure.
2015 Corporate Transportation Actions	Williams Lake Airport. Operate Williams Lake Airport, a regional service facility that also supports the provincial fire tanker base.

2016 Transportation Proposed Actions

Variable	Response
2016 Transportation Proposed Actions	Transit Service. Implement recommendations of Transit Service Review intended to increase efficiency and ridership satisfaction.
2016 Transportation Proposed Actions	Pavement Rehabilitation Program. Continue to support a multi-year approach to street paving with priority given to extending the life of roads rather than reconstruction. This approach enables recycling of asphalt and retains the road bed.
2016 Transportation Proposed Actions	Network Road Plan, Development Cost Charge Bylaw Update. Update the Network Road Plan in consultation with Cariboo Regional District, provincial Approving Officer, Ministry of Forest, Lands and Natural Resource Operations, to provide for cross boundary connections and for cost sharing.

2016 Transportation Proposed
Actions |

River Valley Transportation Plan. Collaborate with Ministry of Transportation and Infrastructure and Cariboo Regional District on a proposed interagency transportation plan assessing route options to serve the River Valley.

2016 Transportation Proposed
Actions |

CN Rail crossings design. Collaborate with CN Rail in design and upgrade of crossings safe for River Valley recreation trail users.

SNAPSHOT QUESTIONS

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

- Cycling
- Transit
- Other, please specify...: Multi use equestrian, ATV, snowmobile, mountain bike...

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

No

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

Yes

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

2015 Community-Wide Water and Wastewater Actions

Variable	Response
2015 Community-Wide Water and Wastewater Actions	Water Wise Program. Partnered with Cariboo Chilcotin Conservation Society in implementing water conservation including low-flow toilet and water appliance rebate programs.

2016 Community-Wide Water and Wastewater Proposed Actions

Variable	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	Commercial property water meters. Continued program of installing water meters during redevelopment of commercial properties.
2015 Corporate Water and Wastewater Actions	Water System Modelling. Completed modelling of the municipal water supply and distribution system, enabling future improvements to be modeled for system-wide impacts.

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	Water Management Strategy. Develop scope of work and budget for undertaking a comprehensive water management strategy to focus on water demand reduction in advance of water treatment requirements that will arise from pending water quality regulations.
2016 Water and Wastewater Proposed Actions	Continued partnership with Cariboo Chilcotin Conservation Society in water and waste reduction programs, incentives and advocacy

SNAPSHOT QUESTION

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

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)

2016 Community-Wide Adaptation Proposed Actions

Variable	Response
2016 Community-Wide Adaptation Proposed Actions	(No response)

CORPORATE

2015 Corporate Adaptation Actions

Variable	Response
2015 Corporate Adaptation Actions	(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	Asset Management. Consider energy and emission reduction strategies as part of a municipal asset management plan.

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 CLIMATE ACTIONS

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

COMMUNITY-WIDE

2015 Community-Wide Other Actions

Variable	Response
2015 Community-Wide Other Actions	BC Mountain Bike Tourism Symposium. This gathering of the "who's who" of mountain biking in Western Canada saw over 200 riders trek to Williams Lake and area to enjoy all the Cariboo has to offer, including the world class mountain bike trails that surround the City.

2016 Community-Wide Other Proposed Actions

Variable	Response
2016 Community-Wide Other Proposed Actions	Ranching Program. Introduction of Ranching Program at Thompson Rivers University, Williams Lake Campus with intent of developing awareness of sustainable business and environmental practices.

CORPORATE

2015 Corporate Other Actions

Variable	Response
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2016 Other Proposed Actions

Variable	Response
2016 Other Proposed Actions	Community Advocacy. Continued support for non profit associations and liaison with agencies involved in building awareness of climate change adaptation and mitigation.

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

Two independent community magazines, The Stew, and The Green Gazette are published and widely distributed throughout the City and Regional District, raising awareness of sustainable practices, community events, and local businesses.

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

Northern Development Initiative Trust / New Building Canada Fund - Small Communities / Canada-BC Infrastructure Funding / Community Recreation Program / Climate Action Revenue Incentive Program / BC Lottery / local businesses and community volunteer organizations

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:

(in tonnes of carbon dioxide equivalent)

946

Total Corporate GHG Emissions for 2015: 946.0 tCO₂e

2015 REDUCTIONS AND OFFSETS = 0.0 tCO₂e

2015 CORPORATE GHG EMISSIONS BALANCE: 946.0 tCO₂e

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