



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

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

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

The Financial Officer must complete and sign this attestation form by the applicable deadline and email a scanned copy to the province at infra@gov.bc.ca.

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

I declare that the information contained in the 2015 CARIP Climate Action/Carbon Neutral Progress Survey submitted online to the Province on June 7, 2016 for District of Tumbler Ridge was made public on June 1, 2016.

Name, Title (print) CFO Chris Leggett

Signature: 

Date: June 7, 2016

Climate Action Revenue Incentive (CARIP) Public Report for 2015

Local Government:

DISTRICT OF TUMBLER RIDGE

Report Submitted by:

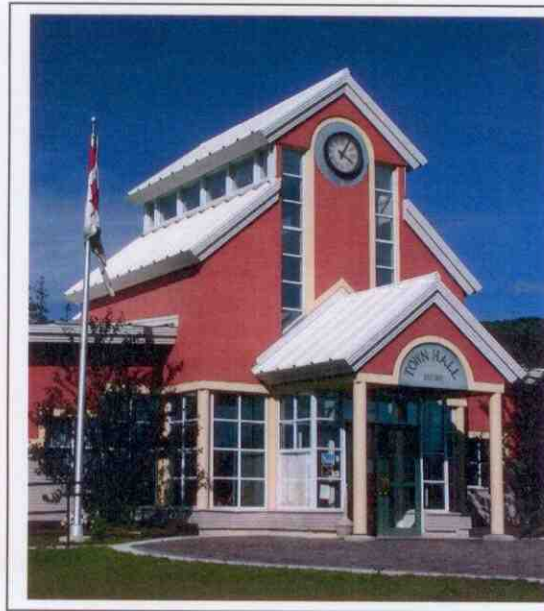
Name: CHRIS LEGGETT

Role: CHIEF FINANCIAL OFFICER

Email: CLegett@dtr.ca

Phone: (250) 242-4242

Date: June 1, 2016



The District of Tumbler Ridge has completed the 2015 Climate Action Revenue Incentive Program (CARIP) Public Report as required by the Province of BC. The CARIP report summarizes actions taken in 2015 and proposed for 2016 to reduce corporate and community-wide energy consumption and greenhouse gas emissions (GHG) and reports on progress towards achieving carbon neutrality. There is also an opportunity to report on climate adaptation actions.

2015 BROAD PLANNING ACTIONS

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 Actions Taken in 2015	
Community-Wide Actions Proposed for 2016	

Corporate Actions Taken in 2015	
	Replaced Street lights with LED's and replaced Arena Lights with more energy efficient ones.
Corporate Actions Proposed for 2016	
	Continue replacing lights with LED's. Continue exploring methods to make the District facilities more energy efficient as a whole.

Snapshot Questions	
What GHG reduction targets are included in your local government's Official Community Plan or Regional Growth Strategy?	No
Are you familiar with the Community Energy and Emission Inventory (CEEI)?	Yes

Does your local government use the Community Energy and Emissions Inventory (CEEI) to measure progress?	Yes
Which of the following does your local government use to guide climate action implementation?	
• Community Energy and Emissions (CEE) Plan	No
• Climate Action Plan	No
• Integrated Community Sustainability Plan	No
• Official Community Plan (OCP)	No
• Regional Growth Strategy (RGS)	No
• Other:	
Does your local government have a climate action reserve fund?	No
Does your local government have a Corporate Climate Action Plan?	No

2015 BUILDINGS AND LIGHTING ACTIONS

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 Actions Taken in 2015	
	Lighting replaced in Arena, Curling Rink and Pool with LED lighting at a cost of \$119,935.44.
	Lighting in Library replaced with LED lighting at a cost of \$41,606.10.
	Electrical system at RV Park Upgraded at a cost of \$17,582.87.
	Began replacing Pool Pumps and Equipment at a cost of \$25,433.56.
	Cobra Head Lighting Removal (Street Lights) at a cost of \$83,105.14.
	Recreation Centre Interior lighting upgrades at a cost of \$17,407.56.
	Upgrade Public Works Shop lighting at a cost of \$13,584.73.
Community-Wide Actions Proposed for 2016	
	Replace Lighting at Fire Hall with LED lighting with budgeted expenditures of 16,300.00.
	Cobra Head Lighting Removal (Street Lights) with budgeted expenditures of \$265,559.00.
	Community Centre LED lighting with budgeted expenditures of \$58,000.00.
	Recreation Centre Interior lighting upgrades with budgeted expenditures of \$7,592.00.
	Continue lighting replacement in Arena, Curling Rink and Pool with budgeted expenditures of \$40,396.00.
	Complete replacement of lights with LED lighting in Library with budgeted expenditures of \$9,500.00.
	Complete replacement of Pool Pumps and Equipment with budgeted expenditures of \$110,000.00.

Corporate Actions Taken in 2015	
	Work began on replacement of insulation in Town Hall and Fire Hall assessment at a cost of \$4,750.00.
	Work began on a full Town Hall building envelope assessment at a cost of \$5,400.00
Corporate Actions Proposed for 2016	
	Work will continue on the Town Hall Building envelope assessment with budgeted expenditures of \$55,000.00
	Ongoing development of District Asset Management Plan.

2015 ENERGY GENERATION ACTIONS

Energy Generation

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 Actions Taken in 2015	
Community-Wide Actions Proposed for 2016	
	Upgrade Community Centre Heating to energy efficient system at a budgeted cost of \$54,000.00.

Corporate Actions Taken in 2015	

[illegible]

Snapshot Questions	
Is your local government developing, or constructing a district energy project?	No
Is your local government operating a district energy system?	No
Is your local government developing or constructing a renewable energy project?	No
Is your local government operating a renewable energy project?	No
Are you aware of the Integrated Resource Recovery guidance page on the BC Climate Action Toolkit (insert link here)?	No

2015 GREENSPACE/ NATURAL RESOURCE PROTECTION ACTIONS

Community-Wide Actions Taken in 2015	
	Continued Leasing of Community Garden space in Tumbler Ridge.
	RV Park upgrades done at a cost of \$36,342.19.
	Upgrade Soccer Field at a cost of \$9,759.16
	Upgrade Veteran's Park to community standards at a cost of 22,335.15.
	Murray River Study to ensure river is protected at a cost of \$10,00.00
Community-Wide Actions Proposed for 2016	
	Continued Leasing of Community Garden space in Tumbler Ridge.
	Continue Hazardous trees removal.
	Continue with fire mitigation program with a budgeted cost of \$12,000.00.

Corporate Actions Taken in 2015	
	Ongoing commitment to Tumbler Ridge Community Forest Corporation.
Corporate Actions Proposed for 2016	
	Ongoing commitment to Tumbler Ridge Community Forest Corporation.

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

2015 SOLID WASTE ACTIONS

Solid Waste

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 Actions Taken in 2015	
	The District actively encourages its residents to reduce solid waste by such activities as recycling and composting. Residents who wish to may visit the landfill site and retrieve material or items they believe may be re-used.
	Deposit on purchase of automate recycling baler which will improve efficiency in the Districts' recycling program at a cost of \$87,765.00.
Community-Wide Actions Proposed for 2016	
	Purchase of an automated recycling baler which will improve efficiency in the Districts' recycling program with a budgeted cost of \$90,200.00.
	Purchase Solid Waste bins that a larger the current bins. The larger ones require less frequent emptying.
	The District actively encourages its residents to reduce solid waste by such activities as recycling and

	believe may be re-used.

Corporate Actions Taken in 2015	
Corporate Actions Proposed for 2016	

Snapshot Questions	
Does your local government have construction and demolition waste reduction policies, plans or programs? All construction material is separated at the landfill.	Yes
Does your local government have organics reduction/diversion policies, plans or programs?	No

2015 TRANSPORTATION ACTIONS

Transportation

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 Actions Taken in 2015	
Community-Wide Actions Proposed for 2016	
	Replace asphalt Walking & Cycling trails, Monkman, Mackenzie at a budgeted cost of \$480,000.00.

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Corporate Actions Taken in 2015	
	Purchased crew cab pickup to replace aged non-fuel efficient single cab at a cost of \$46,887.88.
	Installed a car charging station at Visitor Information Centre at a cost of \$2,886.46.
Corporate Actions Proposed for 2016	
	Replace Service truck with one that is more fuel efficient with a budgeted cost of \$78,000.00.

Snapshot Questions		
Does your local government have policies, plans or programs to support:		
•	Walking	Yes
•	Cycling	Yes
•	Transit Use	No
•	Electric Vehicle Use	Yes
•	Other	No
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)? Community Garden		Yes

2015 WATER AND WASTEWATER ACTIONS

Water and Wastewater

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 Actions Taken in 2015	
	Install water meters in Commercial buildings at a cost of \$35,678.56

Corporate Innovative Action

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.

Programs and Funding

2015 CARBON NEUTRAL REPORTING

Reporting Emissions

Did you measure your local government's corporate GHG emissions in 2015? (Yes/No)	Yes
If your local government measured 2015 corporate GHG emissions, please report the number of corporate GHG emissions (in tonnes of carbon dioxide equivalent) from services delivered <u>directly</u> by your local government:	4,859.38
If your local government measured 2015 corporate GHG emissions, please report the number of corporate GHG emissions (in tonnes of carbon dioxide equivalent) from <u>contracted</u> services:	N/A
TOTAL A: CORPORATE GHG EMISSIONS FOR 2015	4,859.38 tCO₂e

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 (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

If applicable, please report the 2015 GHG emissions reductions (in tonnes of carbon dioxide equivalent (tCO₂e)) being claimed from Option 1 GHG Reduction Projects:

OPTION 1 PROJECTS	REDUCTIONS
Energy Efficient Retrofits	
Solar Thermal	
Household Organic Waste Composting	
Low Emission Vehicles	
Avoided Forest Conversion	
TOTAL B: REDUCTIONS FROM OPTION 1 PROJECTS FOR 2015	tCO₂e

If applicable, please report the names and 2015 GHG emissions reductions (in tonnes of carbon dioxide equivalent (tCO₂e)) being claimed from Option 2 GHG Reduction Projects:

OPTION 2 PROJECT NAME	REDUCTIONS
TOTAL C: REDUCTIONS FROM OPTION 2 PROJECTS FOR 2015	tCO₂e

If applicable, please report the number of offsets purchased (in tonnes of carbon dioxide equivalent (tCO₂e)) from an offset provider for the 2015 reporting year:

(NOTE: DO NOT INCLUDE ANY FUNDS THAT MAY BE SET ASIDE IN A CLIMATE ACTION RESERVE FUND)

OFFSET PROVIDER	REDUCTIONS
TOTAL D: OFFSETS PURCHASED FOR 2015	tCO₂e

TOTAL REDUCTION AND OFFSETS FOR 2015 (Total B+C+D) = **tCO₂e**

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.

CORPORATE GHG EMISSIONS BALANCE FOR 2015 = (A – (B+C+D)) = **tCO₂e**

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

CONGRATULATIONS!

GCC CLIMATE ACTION RECOGNITION PROGRAM

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 2014 CARIP Public Report, please check the GCC Climate Action Recognition Program level that best applies:

Level 1 - Progress on Charter Commitments	
Level 2 - Measurement	<input checked="" type="checkbox"/>
Level 3 - Achievement of Carbon Neutrality	
Not Sure	