

CLIMATE ACTION REVENUE INCENTIVE PROGRAM (CARIP) PUBLIC REPORT

2013

For Reporting Year =

GENERAL INFORMATION		Fill in the boxes below
Name of Local Government	District of Chetwynd	
Member of Regional District (RD)	Peace River RD	
Regional Growth Strategy (RGS) in region	Yes	
Population	2,633	
Report Submitted by		
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Community-Wide Actions

1.1 MEASURE	ANSWER	ADDITIONAL INFORMATION
Community Wide Measurement Actions QUESTION Have you been using the <i>Community Energy and Emissions Inventory</i> (CEEI) to measure progress? What else have you been using instead of/in addition to CEEI?	No	
1.2 PLAN Community Wide Targets QUESTION Do your OCP(s) have targets, policies and actions to reduce GHG emissions, as per the requirements under the <i>Local Governments Act</i> (LGA)? If yes, please identify the targets set. If no or in progress, please comment.	Yes	a) Implement the principles of sustainable development and smart growth through informed and educated decisions about alternative technologies for infrastructure (e.g. bio swales, solar energy. Geothermal heating and cooling) b) Development of natural solutions that support ecological responsibility using features such as community gardens, landscaped boulevards and native tree planting. c) Strive to improve water conservation throughout the District. d) Work collaboratively with Peace River Regional district to dispose of solid waste and identify solutions to curb landfill demand.

e) Encourage landscaping techniques that reduce the need for irrigation when designing and maintaining parks, natural areas and environmentally sensitive areas.

f) Leverage support from the federal and provincial governments for "green" initiatives.

Energy Efficiency and Climate Change Policies Councils policies are as follows:

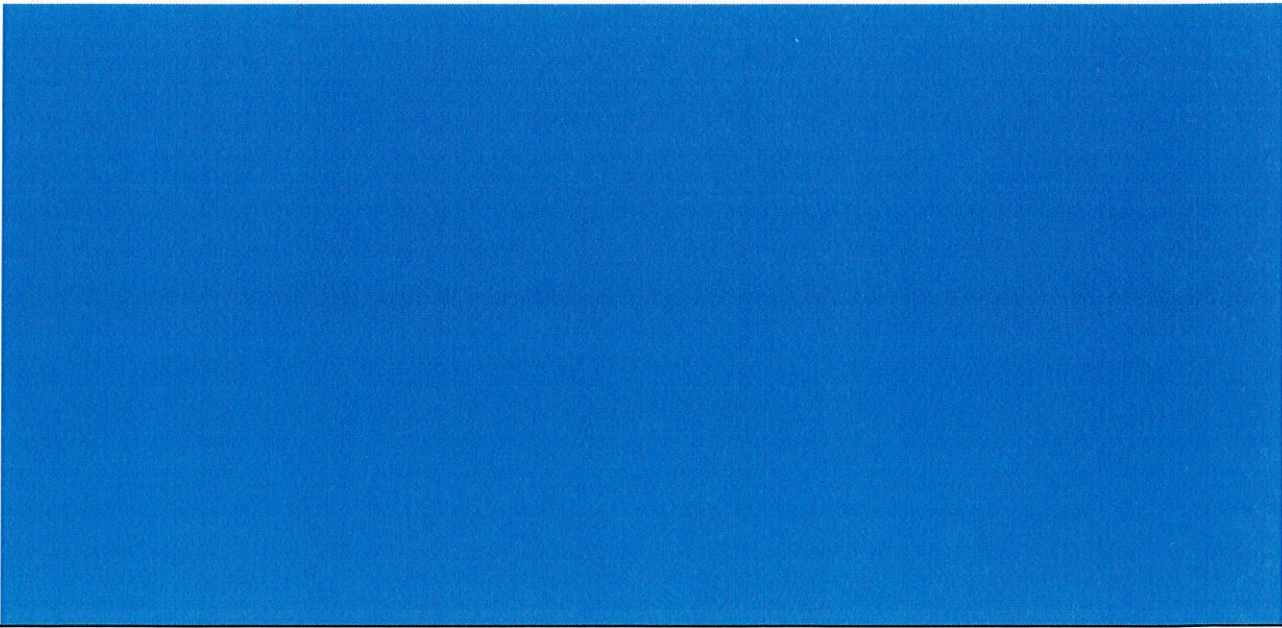
a) support and implement the District of Chetwynd Corporate and Community Energy Plans, once completed to better understand how the Community can be more energy efficient and to identify Chetwynd's alternative energy potential.

b) Work towards achieving the following greenhouse gas targets on both a corporate and community wide basis:

A 1% reduction below the 2007 level of emissions by 2011, and an additional 1% reduction below the 2007 level of emissions each year after 2010 up to 2020. In total, a 10% reduction below the 2007 of emissions by 2020.

c) Lead by example by developing an action plan for implementing and monitoring sustainable municipal operations that outlines how the District will achieve its targets for energy efficiency and greenhouse gas emission reduction.

d) Support programs that will educate individuals on the benefits of energy efficiency.

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- e) *Encourage land use planning and site designs that promote energy efficiency (e.g. solar orientation, compact development and sites oriented around active transportation).*
 - f) *Encourage the development of alternative energy supplies such as solar, wind or geothermal energy, landfill gas recovery and waste heat recovery from municipal and industrial activities where feasible.*
 - g) *Promote strong trail/greenway connections through the District to reduce vehicle dependency and contribute to the reduction of greenhouse gas emissions through the implementation of the District's Parks, Trails and Green space Plan.*
 - h) *Support the creation of a separate anti-idling bylaw to reduce greenhouse gas emissions.*
 - i) *Utilize green spaces and natural vegetation to contribute to the reduction of greenhouse gases.*
 - j) *Reduce the carbon footprint of Chetwynd where possible, through local "made in Chetwynd" solutions.*
 - k) *Embrace and encourage the three R's - reduce, reuse, and recycle - to help curb landfill demand and lower methane emission from waste decomposition.*
 - l) *Consider developing a composting program to help reduce methane emissions from solid waste decompositions.*

1.3 REDUCE

Supportive Community-Wide Actions

Supportive Community-Wide Actions

Broad Planning (e.g. creation/revision of OCPs, CEPs, transportation plans)

Actions Taken in 2013

Revised OCP Residential / Commercial Mixed Development. Right-In Right-Out project completed at Recreation centre to make the traffic flow more efficient and reduce idling time. Consulted with First Nations on potential Additions to Reserve Lands, which may lead to development of some parcels within District boundaries; this could lead to some individuals who now live out of town relocating within District boundaries, reducing emissions used to travel back and forth to town. Servicing the developments could also result in a net reduction in use of water/sewer as meters would be installed, creating greater awareness and conservation of resources than may currently be exercised when water/sewer is not measured in rural areas. New subdivision and servicing development bylaw which establishes guidelines for subdivisions to be walkable and community-friendly and delivers municipal services in an efficient manner.

Proposed Actions for 2014

None

Building and Lighting (e.g. developed green building policy, increased density in the downtown)

None

None

Energy Generation (e.g. signed on to provincial 'solar ready' regulation, explored options for bioheating for buildings)

Not yet

None

Green Space (e.g. developed urban forestry policy, adopted park acquisition policy)

None

None

Transportation (e.g. developed sustainable transportation plan, completed bicycle master plan)

Created bike lanes on 53rd Avenue North & South in 2012 as well as Hospital Road.

Continue improvements to main walking path through town to better accommodate bicycles.

Waste (e.g. introduced composting and recycling education programs)	Yes - In partnership with Peace River RD and NEAT	Same as 2013
Water/Sewer (e.g. participated in water smart initiatives, implemented Water Action Plan, introduced rebates on low flush toilets)	In partnership with NEAT low flow toilet rebate & rain barrel rebate program.	In partnership with NEAT we continue to reduce water conservation & educate residents what goes down the sewer & possible harmful effects. Same as 2013
Other Actions	Wood Burning Appliance/Clean Air Bylaw	
Direct Community-Wide Actions	Actions Taken in 2013	
Community-Wide Direct Actions	Revitalization Tax Exemption Bylaw No. 977 was None adopted in 2013, which encourages multi-family housing development (over five units); commercial development to sustain and enhance the existing commercial areas; and to advance the objectives of the District's Official Community Plan to create an economically diverse and stable community.	
Energy Generation (e.g. implement district energy, geothermal, solar)	None	None
Transportation (e.g. implement bike lanes, pedestrian paths, upgrade transit service and infrastructure, improve roads, parking fees etc.)	Upgraded pedestrian paths & include new LED lighting.	Ongoing.
Waste (e.g. introduce composting and recycling programs)	Helped the Lion's Club (which runs the local recycling depot) to sign an agreement with Multi-Materials BC to provide enhanced recycling services to the community.	Promote recycling at Lion's Recycling Depot.
Water/Sewer (e.g. implement water conservation and reduction initiatives)	Water conservation Education Program in partnership with NEAT.	Continues in 2014.

Green Space (e.g. plant trees, conserve forest etc.)

Restored and improved trail system including bridges and flood preparation. Purchased a park (Frog Pond Park) from BCR Properties; this was removed from the Industrial land base and provides valuable greenspace and passive parkland for residents of Chetwynd in the Crown Sub. Community Forest - in 2013 actively logged and reforested it and provided jobs and recreational opportunities for local residents; the project provided partnering opportunities with the local First Nations and West Fraser Mills, which may lead to more local shared opportunities in future. Continues in 2014.

Other Actions

Developed a community garden and Healing Gardens at the Hospital. The District of Chetwynd's Healthy Communities Coordinator provided support and consultation for the Local Farmer's Market. District of Chetwynd supports the Chetwynd Harm Reduction Committee; this assists individuals who are struggling with challenges that may otherwise require them to take time off from their jobs and travel out of the community for help regarding addictions or other health treatments. District of Chetwynd was instrumental through Committee work of having an additional assisted living unit added to Surerus Place; this allows an additional individual to stay in Chetwynd instead of being placed in a nearby town and reduces greenhouse emissions of loved ones who go to visit. District of Chetwynd was instrumental through Committee work of having 2 new doctors locate to town; this has a significant impact on greenhouse gases as many more people do not have to travel out of town to see physicians, and having timely medical treatment may mean minor illnesses do not progress to a stage where out-of-town treatment is required.

2014 plans - increase participants by 50%.
Help local school build a greenhouse equipped with solar power. Creating pathways using chipped wood from composting program.
Partnership for Healthier Communities with Northern Health. Partnership with community gardens and Farmer's Market.

1.4 COMMUNITY-WIDE INNOVATION

Is there any activity that you have been engaged in over the past year(s) that you are particularly proud of and would like to share with other local governments? Please describe and add links to additional information where possible

Answer

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Corporate Actions

2.1 MEASURE	
Corporate Measurement Actions	Answer
QUESTION What steps has your local government taken toward completing its corporate emissions inventory (e.g. corporate assets identified related to energy and fuel data and calculated GHG emissions from energy use)? What tool are you using to measure, track and report on your corporate emissions (e.g. SMARTtool, other tools including excel spreadsheets)?	Completed in 2010. Excel spreadsheets.
2.2 REDUCE	
Supportive Corporate Actions	Actions Taken in 2013
Supportive Corporate Actions <i>Broad Planning</i> (e.g. developed corporate climate action plan) <i>Building and Lighting</i> (e.g. developed energy reduction plan for all corporate buildings) <i>Energy Generation</i> (e.g. undertook feasibility study of green energy generation for civic buildings) <i>Transportation</i> (e.g. created anti-idling policy for city vehicles, bike to work week promotion) <i>Waste</i> (e.g. completed waste audit of City Hall)	Proposed Actions for 2014 None None None Ongoing for 2014 None

Water/Sewer (e.g. completed study of sewer and water energy use)	Completion of Sewer Effluent study. Completion of the Water Master Plan study.	None
Other Actions	In coordination with NEAT we will attempt to educate how private residents can lower their own carbon footprint.	None
Direct Corporate Actions	Actions Taken in 2013	Proposed Actions for 2014

Building and Lighting (e.g. energy efficiency retrofits to municipal buildings)

Replacement of the Talisman Cottonwood Hall roof top HVAC unit. Replacement of 1 unit space heater in the Curling Arena. Replacement of 1 shop unit heater. Construction of a new facility entrance including road works, sidewalks and patio eating areas to also address access to the facility as well as road drainage. Rear of facility - Tie-in roof drainage to the site storm drainage to keep water off of the parking surfaces. Pool mechanical roof overhang - improve/change roof slope, improving roof insulation and roof drainage. Installation of two relocated roof down spouts for more efficient drainage. Ongoing lighting improvements to more efficient facility lighting. Continuous monitoring of the mechanical equipment DDC system for efficient equipment operations. Regular maintenance of the pools heat pump heat exchangers, which is part of the new pool heat recovery system installed in 2012, in order to maintain efficient heat transfers. Regular filter changes of the arena's brine filters to improve upon removing solids in the brine system to extend the chillers life expectancy and to improve upon heat transfers. Scheduled preventative maintenance filter changes on all furnaces

Energy Generation (e.g. implemented heat recovery systems, solar)
Fleet (e.g. anti-idling policies for fleet vehicles, purchasing of hybrid)

Waste (e.g. introduction of composting and recycling programs and education)

Construction of a new more efficient Municipal Hall. Lighting upgrades to recycle building and prep. Energy efficient light at Museum. Have water pipe at Museum insulated so that we can turn off gas for the 2014 winter season thereby reducing heat cost due to poorly insulated old building.

Disposed of 25 year old backhoe and purchase a newer fuel efficient machine.

Purchase of a newer excavator and the sale of the older less efficient equipment - two pickup trucks and one car.

Water/Sewer (e.g. initiated water conservation and reduction initiatives)
Green Space (e.g. planting of trees)
Other Actions

Electronic Regular Council meeting agendas were implemented in 2013; this reduces a significant amount of paper that was previously used to produce the agendas

2.3 CORPORATE INNOVATION

Is there any activity that you have been engaged in over the past year(s) that you are particularly proud of and would like to share with other local governments? Please describe and add links to additional information where possible.

Answer

You MUST fill this in for the 2013 reporting year.

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Prior to completing this section, please ensure that you are familiar with the "Becoming Carbon Neutral guidebook" available on the BC

[BC Climate Action Toolkit Website](#)

Carbon Neutral Progress Reporting

Is this your Final or Interim CARIP Report for 2013 ?		Select Answer
Emissions/Offsets this is a Final Report		Tonnes CO2e Enter Values in White Boxes
Annual corporate emissions using SMARTTool or equivalent inventory tool		1043.53
Emissions from services delivered directly by the local government		1043.53
Emissions from contracted services		0
Less:		
GHG reductions being claimed for this reporting year from Option 1 - GHG reduction project		0
Energy Efficient Building Retrofits and Fuel Switching		0
Solar Thermal		0
Household Organic Waste Composting		0
Low Emissions Vehicles		0
Less:		
GHG reductions being claimed for this reporting year from Option 2 - GHG reduction projects		
Please list all Option 2 Projects Implemented (insert title of the projects(s) as per project plan template. If you have more than two Option 2 projects you can add more lines at the bottom of this sheet)		0
Option 2 Project A		0
Option 2 Project B		0

Sum of Other Option 2 Projects <i>(if you have added projects below)</i>	0
Less:	
Offsets purchased for this reporting year (Option 3). Please identify your offset provider in the offset provider information section below.	0
Balance of corporate emissions for this reporting year. <i>(If the corporate emissions balance is zero, your local government is carbon neutral for this reporting year)</i>	1043.53
Making Progress on Your Carbon Neutral Commitment If your community has not achieved carbon neutrality for this reporting year please describe the actions that you intend to take next year to move you toward your carbon neutral goal.	
Set up Green Municipal Reserve Fund for the funding of green projects to reduce carbon emissions and the purchase of carbon off sets	
Additional "Option 2" Projects	
Option 2 Project C	0
Option 2 Project D	0
Option 2 Project E	0
Option 2 Project F	0
Option 2 Project G	0
Option 2 Project H	0
Offset Provider Information	
(i) Please Identify the name(s) of your offset provider(s) <i>(Please answer below)</i> :	
Peace River RD - when the Methane Gas Recovery projects is in place	

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(ii-a) The offsets being claimed in this CARIP Report were purchased from the offset provider(s) indicated above prior to making this CARIP report public (please indicate yes or no):
No
OR
(ii-b) There is a signed agreement in place between the reporting local government and the offset provider(s) indicated above to purchase the offsets by no later than June 1, 2014 (please indicate yes or no):
No

