

## Climate Action Revenue Incentive Plan (CARIP) Public Report

# Climate Action Revenue Incentive (CARIP) Public Report for YEAR 2011

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*City of Grand Forks  
Regional District Kootenay Boundary*

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## General Information

Name of Local Government

*City of Grand Forks*

Member of Regional District (RD)

*Regional District Kootenay Boundary*

Regional Growth Strategy (RGS) in region

*No*

Population

*4036*

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## Community Wide Actions for 2011

### 1.1 Measure

#### Community Wide Measurement Actions

Question	Have you been using the Community Energy and Emissions Inventory (CEEI) to measure progress? What else have you been using instead of/in addition to CEEI?
Answer	Yes
Additional Information	<i>The City of Grand Forks has been collecting our data on our facilities through our municipal utility bills and spreadsheets. The City's fleet information is collected through our fuel monitoring systems and equipment maintenance spreadsheets.</i>

### 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 Local Governments Act (LGA)? If yes, please identify the targets set. If no or in progress, please comment.
Answer	Yes
Additional Information	<i>The City's (SCP) Sustainable Community Plan has set the GHG emission reduction target of 33% below the 2007 level by 2030.</i>

Question	If you are a Regional District, does your RGS have targets, policies and actions to reduce GHG emissions, as per the requirements under the Local Governments Act (LGA)? If yes, please identify the targets set. If no or in progress, please comment.
Answer	

<b>Additional Information</b>	
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## 1.3 Reduce

### Supportive Community Wide Actions

Action Type	<b>Broad Planning</b> (e.g. creation/revision of OCPs, CEPs, transportation plans)
Actions Taken this Year	<i>The City council has adopted the (SCP) Sustainable Community Plan. The (BAQC) Boundary Air Quality Committee has been exploring options to meet the CNK2 targets and the City has hired a Manager of Environmental &amp; Building Construction Services, which part of the duties will be to plan and review the CNK2 initiatives.</i>
Proposed Actions for Next Year	<i>To continue working with the Sustainable Community Plan and implement the objectives and policies laid out within the plan in the coming years.</i>

Action Type	<b>Building and Lighting</b> (e.g. developed green building policy, increased density in the downtown)
Actions Taken this Year	<i>An Energy and Lighting Audit has been conducted on the City Hall and Public Works facilities this year.</i>
Proposed Actions for Next Year	<i>The City of Grand Forks is planning to implement the building audits done in 2011 and budget for a complete Energy and Lighting Audit of all of our facilities in 2012.</i>

Action Type	<b>Energy Generation</b> (e.g. signed on to provincial 'solar ready' regulation, explored options for bioheating for buildings)
Actions Taken this Year	<i>Solar initiatives are ongoing and being explored by the BAQC committee.</i>
Proposed Actions for Next Year	<i>The City will be investigating the Solar Hot Water Ready Plan for new construction in the coming year.</i>

Action Type	<b>Green Space</b> (e.g. developed urban forestry policy, adopted park acquisition policy)
Actions Taken this Year	<i>The City of Grand Forks has also committed to replacing or replanting trees whenever a tree has been removed</i>
Proposed Actions for Next Year	<i>This practice will continue throughout 2012 and beyond.</i>

Action Type	<b>Transportation</b> (e.g. developed sustainable transportation plan, completed bicycle master plan)
Actions Taken this Year	<i>A Bicycle Network Plan has been developed and is now part of the Sustainable Community Plan.</i>
Proposed Actions for Next Year	<i>The City will continue to provide budgetary funding to develop more cycling and walking pathways as per the Bicycle Network Plan.</i>

Action Type	<b>Waste</b> (e.g. introduced composting and recycling education programs)
Actions Taken this Year	<i>This is a Regional District function</i>
Proposed Actions for Next Year	

Action Type	<b>Water/Sewer</b> (e.g. participated in water smart initiatives, implemented Water Action Plan, introduced rebates on low flush toilets)
Actions Taken this Year	<i>The City now completed the installation of water meters in all commercial, industrial, institutional and multi-family complexes.</i>
Proposed Actions for	



Next Year	
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Action Type	<i>Other Actions</i>
Actions Taken this Year	
Proposed Actions for Next Year	

### Direct Community Wide Actions

Action Type	<b>Buildings</b> (e.g. implement use of sustainability checklists and development permit guidelines for new buildings)
Actions Taken this Year	
Proposed Actions for Next Year	<i>Through the Sustainable Community Plan, the City plans to encourage the use of new green technologies in new building construction.</i>

Action Type	<b>Energy</b> Generation (e.g. implement district energy, geothermal, solar)
Actions Taken this Year	<i>The City has promoted solar activities with the assistance of Fortis B.C, Omineca Solar and Swiss Solar at the Solar City Days event and Fall Fair , which are held annually in Grand Forks.</i>
Proposed Actions for Next Year	<i>We plan to continue with the solar promotional material and presentations at events again in 2012.</i>

Action Type	<b>Transportation</b> (e.g. implement bike lanes, pedestrian paths, upgrade <i>transit</i> service and infrastructure, improve roads, parking fees etc.)
Actions Taken this Year	<i>City council has adopted an anti-idling bylaw.</i>
Proposed Actions for Next Year	<i>The City is also planning for additional bike racks in the downtown core to promote alternative modes of transportation and pedestrian access. There are several more bicycle and walking lanes being planned to get residents out walking and riding bikes instead of using their automobiles, thus reducing GHG emissions and promoting a healthier community.</i>

Action Type	<b>Waste</b> (e.g. introduce composting and recycling programs )
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Actions Taken this Year	<i>This is a Regional District function</i>
Proposed Actions for Next Year	

Action Type	<b>Water/Sewer</b> (e.g. implement water conservation and reduction initiatives)
Actions Taken this Year	<i>The City council has adopted a Water Demand Management Plan developed by Urban Systems in 2011.</i>
Proposed Actions for Next Year	

Action Type	<b>Green Space</b> (e.g. plant trees, conserve forest etc.)
Actions Taken this Year	
Proposed Actions for Next Year	

Action Type	<b>Other Actions</b>
Actions Taken this Year	
Proposed Actions for Next Year	

### 1.4 Community Wide Innovation

Question	<b>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</b>
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	<b>describe and add links to additional information where possible.</b>
Answer	

## Corporate Actions for 2011

### 2.1 Measure

#### Corporate Measurement Actions

Question	What steps has your local government taken toward completing its corporate emissions inventory (e.g. corporate assets gathered related to energy and fuel data and calculated GHG emissions from energy use)?
Answer	<i>The City of Grand Forks has been collecting our data sharing the information with the Regional District of Kootenay Boundary and (CNK2) Carbon Neutral Kootenays to establish our GHG energy emissions level over the past few years.</i>

Question	What tool are you using to measure, track and report on your corporate emissions (e.g. SMARTtool, other tools including excel spreadsheets)?
Answer	<i>The City is planning to purchase the B.C. Climate Action Toolkit (SMART Tool ) in 2012, for the continued documentation and recording of our GHG Emissions.</i>

### 2.2 Reduce

#### Supportive Corporate Actions

Action Type	<b>Broad Planning</b> (e.g. developed corporate climate action plan)
Actions Taken this Year	<i>The City council has adopted the (SCP)Sustainable Community Plan, which was developed by Urban Systems in May of 2011</i>
Proposed Actions for Next Year	<i>To continue working with the Sustainable Community Plan and implementing the objectives and policies laid out within the plan in the coming years. The City of Grand Forks will be hosting a CNK2 workshop in January of 2012.</i>

Action Type	<b>Building and Lighting</b> (e.g. developed energy reduction plan for all corporate buildings)
Actions Taken this Year	<i>An Energy and Lighting Audit has been conducted on the City Hall and Public Works facilities this year. The City has also been investigating an option for LED street lighting to reduce our overall energy consumption throughout the City.</i>
Proposed Actions for Next Year	<i>The City of Grand Forks is planning to implement the building audits done in 2011 and budget for a complete Energy and Lighting Audit of all of our facilities in 2012. The City will also be looking into a five or six year program to replace the street lighting in Grand Forks.</i>

Action Type	<b>Energy Generation</b> (e.g. undertook feasibility study of green energy generation for civic buildings)
Actions Taken this Year	<i>The City continued to meet with the Environmental Committee and the BAQC and commenced with a long range planning for energy and solar initiatives.</i>
Proposed Actions for Next Year	<i>The City will be investigating the Solar Hot Water Ready Plan for new construction in the coming year.</i>

Action Type	<b>Transportation</b> (e.g. created anti-idling policy for city vehicles, bike to work week promotion)
Actions Taken this Year	<i>The Sustainable Community Plan objective is to promote a pedestrian and cycling friendly atmosphere in the downtown core, which connects to the City's pedestrian and cycling pathways within the community.</i>
Proposed Actions for Next Year	<i>Budgeting in 2012 will include the addition of several new pathways and sidewalks to connect specific areas to the existing pathways already built in accordance with the Bicycle Network Plan.</i>

Action Type	<b>Waste</b> (e.g. completed waste audit of City Hall)
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Actions Taken this Year	
Proposed Actions for Next Year	

Action Type	<i>Water/Sewer (e.g. completed study of sewer and water energy use)</i>
Actions Taken this Year	<i>The City Council has adopted the Asset Management Plan which will address several Multi-Utility Projects.</i>
Proposed Actions for Next Year	<i>The Loan Authoriztion Bylwas were approved by the electors of the City of Grand Forks and the City will now be forging ahead with these projects.</i>

Action Type	<i>Other Actions</i>
Actions Taken this Year	
Proposed Actions for Next Year	

### Direct Corporate Actions

Action Type	<b>Building</b> and Lighting (e.g. energy efficiency retrofits to municipal buildings )
Actions Taken this Year	<i>An Energy and Lighting Audit has been conducted on the City Hall and Public Works facilities this year. The City has also been investigating an option for LED street lighting to reduce our overall energy consumption throughout the City.</i>
Proposed Actions for Next Year	<i>The City of Grand Forks is planning to implement the building audits done in 2011 and budget for a complete Energy and Lighting Audit of all of our facilities in 2012. The City will also be looking into a five or six year program to replace the street lighting in Grand Forks.</i>

Action Type	<b>Energy Generation</b> (e.g. implemented heat recovery systems, solar)
Actions Taken this Year	<i>The City has just completed a one year audit of the Heat Recovery System at the City Park Liftstation. The Solar Hot Water Heating System has also been installed in the Campground washrooms.</i>
Proposed Actions for Next Year	<i>The City will be investigating the replacement of a 25 year old Gas Fired Heating System at the Public Works facility, and the upgrade to the boilers at the Art Gallery (Gallery 2) facility.</i>

Action Type	<b>Fleet</b> (e.g. anti-idling policies for fleet vehicles, purchasing of hybrid)
Actions Taken this Year	<i>City council has adopted an anti-idling bylaw, and the City is moving forward by replacing some of our older vehicles with, flex fuel and a hybrid vehicle in 2011 in an effort to reduce fuel consumption within our fleet.</i>
Proposed Actions for Next Year	<i>The City's targets are to purchase the most fuel efficient and practical vehicles whenever possible including our heavy equipment within our fleet.</i>



Action Type	<b>Waste</b> (e.g. introduction of composting and recycling programs and education)
Actions Taken this Year	<i>This is a Regional District function</i>
Proposed Actions for Next Year	

Action Type	<b>Water/Sewer</b> (e.g. initiated water conservation and reduction initiatives)
Actions Taken this Year	<i>The City council has adopted a Water Demand Management Plan developed by Urban Systems in 2011, and then applied to the General Strategic Priorities Fund as part of the Gas tax Agreement to complete a meter implementation study. This application was unsuccessful in 2011.</i>
Proposed Actions for Next Year	<i>In 2012 the City will continue to explore avenues of funding to complete the water metering program. The City is planning to conduct a real losses detection program which includes the development of a leak detection and repair policy. The creation of a water main repair tracking system that includes time, leak rates, failure type, repair details and estimate of loss. The updating of leakage estimates.</i>

Action Type	<b>Green Space</b> (e.g. planting of trees )
Actions Taken this Year	<i>The City of Grand Forks has also committed to replacing and replanting of trees whenever a tree has been removed or lost due to a wind event. City council has adopted a zoning bylaw amendment to allow for community gardens in all zones.</i>
Proposed Actions for Next Year	<i>This practice will continue throughout 2012 and beyond.</i>

Action Type	<b>Other Actions</b>
Actions Taken this Year	<i>In 2011, the addition of 2 kilometers of pedestrian pathways and 1 kilometer of new sidewalks has been added to the City infrastructure promoting walking and cycling.</i>

Proposed Actions for Next Year	<i>There are several more bicycle and walking lanes being planned to get the residents out walking and riding bikes instead of using their automobiles, thus reducing GHG emissions and promoting a healthier community. The City has another project slated for 2012, which will see the addition of more pathways and walking/cycling trails around the senior's development currently under construction in the west end of the City.</i>
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### 2.3 Corporate Innovations

Question	<b>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.</b>
Answer	