

CARIP Report

Name of Local Government
Member of Regional District (RD)
Regional Growth Strategy (RGS) in region
Population

Enter text below as indicated (replace italics with your text)
Thompson-Nicola Regional District

Yes
122,286 (Municipal - 99,652, Electoral Areas 22,634) - 2006 Census

Report Submitted by

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Actions Taken to Reduce Energy Consumption and GHG Emissions in 2010**1.1. COMMIT**

The Thompson-Nicola Regional District, along with the Province of BC and the UBCM has signed the Climate Action Charter (CAC) pledging to achieve the following goals: Be carbon neutral in corporate operations by 2012; measure and report on our community greenhouse gas emission profile; and work to create compact, more energy efficient communities. In 2008, Premier Gordon Campbell announced that communities that have signed onto the CAC and agree to publicly report on their climate action progress would be eligible for the Climate Action Revenue Incentive Program (CARIP) grant. The following Report meets the CARIP requirements to publicly report on climate actions undertaken by this local government in the current year and intended climate actions for the following year.

1.2. MEASURE

Corporate Measurement	Answer	Additional information
Has your local government taken steps towards completing a corporate energy and emissions inventory? Please identify the steps taken.	<i>In Progress</i>	<i>The TNRD is currently undertaking a review of its assets and operations to identify a complete inventory of corporate energy and emissions. Staff has been assigned to this project and is currently compiling data.</i>
Community-wide Measurement Actions	Answer	Additional information
Has your local government taken steps to review and consider your community-wide GHG emissions profile as provided by the Community Energy and Emissions Inventory (CEEI) or other data sources? Please identify the steps taken.	<i>In Progress</i>	<i>The TNRD covers over 45,000 sq km and does not have jurisdiction over roadways and transportation. Unincorporated communities are located either in rural or remote rural areas. With many remote recreational properties it is not possible to the TNRD to implement strategies that will significantly impact the existing level of GHG emissions related to transportation. However the TNRD is conscious of identifying and implementing any opportunity to reduce GHG emissions attributable to transportation. Through review and development of OCPs, the RGS and other plans and policies, the TNRD is committed to addressing community-wide GHG emission profiles for clustered communities. Sparcely populated areas are more difficult to address, however the TNRD is committed to using the Community Energy and Emissions Inventory and is working on strategies to reduce GHG emissions.</i>

1.3. PLAN

Answer	Additional information
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<p>Does your RGS 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.</p> <p>*This question is ONLY for Regional Districts with RGSs.</p>	Yes	<p><i>The current Regional Growth Strategy was adopted in May 2000. An identified primary goal of the existing strategy was to "protect and enhance the environment." Many subsequent plans adopted by the TNRD, such as the Regional Solid Waste Management Plan, Water Conservation Plan Lake Shore Development Guidelines, Fringe Area Development, etc. were developed in support of environmental protection and reduction in GHG emissions. The current RGS is scheduled for review in early 2011 and will incorporate the initiatives and commitments identified in the Community Action Charter. Proposed targets are a 10% reduction by 2020 from 2007 levels and 33% reduction by 2050 from 2007 levels.</i></p>
<p>Does 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.</p>	Yes	<p><i>The TNRD has 10 OCP's in place. The following OCPs have been revised and endorsed by the Board and have been forwarded for Provincial approval: Ashcroft-Cache Creek, Avola, Barriere, Blue River, Cherry Creek-Savona, Clearwater, Kamloops North, Kamloops South, Nicola Valley and the South Thompson Valley-Pinantan. All have identified the following GHG emissions reduction targets: 10% reduction by 2020 from 2007 levels and a 33% reduction by 2050 from 2007 levels. Development of the Green Lake and Area OCP was a collaboration between the Cariboo Regional District, the TNRD and area residents. Identified are a 33% reduction in GHG emissions by 2020 from 2007 levels and an 80% reduction in GHG emissions by 2050 based on 2007 levels.</i></p>

1.4. ACT

CORPORATE ACTIONS

Please describe the corporate actions you have taken this year and propose for next year to reduce GHG emissions and energy consumption. Examples of tools you may have used include:

- a) Planning tools (e.g. Green Fleet Action Plan, Resource Management Plan, Corporate Climate Action Plan)
- b) Policy tools (e.g. Civic Building Policy, Fuel Efficiency Policy, Green Purchasing Policy, Green Infrastructure Policy)
- c) Other (e.g. corporate car share program, civic building retrofits, LED street lighting, building operator training, green driving education, other educational programs and staff awareness initiatives)

<p>To reduce GHG emissions and energy consumption</p>	<p><i>The TNRD has been working towards decreasing its corporate buildings carbon footprint for a number of years. In 2010 the TNRD constructed a new library in North Kamloops to Gold LEED standard. Established an inhouse "Green Committee" to review options for improving energy efficiency of the TNRD Civic Building. Requests for proposal for corporate initiatives i.e. replacement of vehicles, request GHG friendly alternatives. Upgraded TNRD shop with energy efficient appliances and building envelope improvements. Completed inhouse review of office equipment to identify potential efficiencies. Updated washrooms with light and tap sensors to reduce consumption. Upgraded HVAC system with new equipment to reduce consumption. Installed solar panels at 3 eco-depot sites, thus reducing reliance on diesel generators and hydro.</i></p>	<p><i>Working towards LEED Platinum standard for the North Kamloops Library. Continue to explore initiatives for reductions in energy consumption and GHG emissions at TNRD facilities. Expand solar panel installation for up to 6 more eco-depots.</i></p>
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COMMUNITY-WIDE ACTIONS

Please describe the community-wide actions you have taken this year and propose to take next year to reduce GHG emissions and energy consumption in the sectors below. Examples of tools you may have used include:

- a) Planning and Policy tools (e.g. Climate Action Plan, Energy Plan)
- b) Regulatory tools (e.g. Development Permit Areas, Zoning, Development Cost Charge adjustments)
- c) Incentive tools (e.g. energy audit rebate program, fast tracking green developments)
- d) Other (e.g. Sustainability checklists, development guidelines, educational programs, and public awareness initiatives)

<p>To reduce transportation-related GHG emissions and energy consumption (i.e. through both transportation and land use actions)</p>	<p><i>Received Board support for 11 OCPs which include policies that consider climate change and impacts of land use, encourage compact community design and planning strategies that reinforce smart growth, encourage and support actions to reduce automobile dependency and encourage home based businesses. Inhouse initiatives include the use of B5 biodiesel fuel in the Library Bookmobile (any higher concentration is not conducive to operation in area climate). 50% of the pool vehicle fleet is now hybrid. Implemented curbside recycling in 4 communities, thus reducing need for residents to travel to return recyclables. Reduced waste transportation volumes by 50% through implementation of recycling, waste diversion and compaction. Optimization Plan completed which indentifies options for reduced hauling emissions through recycling and waste reductions. Initiatiing discussions to provide interjurisdictional transit between TNRD, member municipalities and First Nations. Began works to install remote turbidity and chlorine monitoring at 11 rural water systems (will eliminate need to physically travel to sight to monitor operations).</i></p>	<p><i>Review of existing RGS to ensure commitment to initiatives to reduce transportation related GHG emissions energy consumption through land use actions. Continue to review efficiencies for fleet vehicles. Continue to implement initiatives that reduce the need to transport waste. Continue to work with other jurisdictions to realize reductions in GHG transportation emissions.</i></p>
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<p>To reduce building-related GHG emissions and energy consumption</p>	<p><i>The TNRD has partnered with non-profit community groups by allocating Gas Tax funding to complete green initiatives in community halls in 2010. Various upgrades included new roofs, insulation, window, doors, lighting and heating equipment to several community halls and fire halls. Partnerships with municipalities were formed for upgrades to the Clearwater Sportsplex and the Lytton Museum. The TNRD in conjunction with the BC Lung Association assisted in funding a wood stove replacement program in Electoral Areas "M" and "N".</i></p>	<p><i>The TNRD will continue to work with community groups and assist in them in their efforts to reduce building-related GHGs and energy consumption. Solar panel installations are planned for up to 6 more eco-depot sites. Wood stove replacement incentive program to continue in 2011.</i></p>
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<p>To reduce water and waste-related GHG emissions and energy consumption</p>	<p><i>Water Conservation Strategy adopted which requires that all new water systems operated by the TNRD be metered. Watering restrictions and public education encouraged reduction in water consumption. The TNRD partnered with the Village of Lytton and provided funding to assist in upgrading the community pool drain system, and install automatic shut off sensors for the showers; both initiatives contributed to a reduction in water consumption. The TNRD has provided funding to Community Associations in Loon Lake and Pritchard for the upgrade and/or development of a well water supply. The Pritchard project, will eliminate the need to truck in potable water. The recently adopted OCPs and Water Management Strategy encourage water conservation, including installation of low-flow plumbing fixtures in new construction, and support recycling initiatives and the diversion of waste from area landfills. Implemented electronic waste drop off events in 3 communities. Developed an evapotranspirative cover for landfill steep slopes, that traps fugitive methane. Successfully piloted an innovative methane treatment emission system that reduces the GWP of landfill emissions by 21 times, by converting trapped methane to carbon dioxide. 4 transfer stations converted to eco-depots. End user pay fees at landfills and eco-depots realized a 50% reduction household waste and and 22 % increase</i></p>	<p><i>Continue to implement water conservation strategies and public education. Implement evapotranspirative cover and methane oxidation technology to more of the currently 40 closed landfills/dumps. Convert up to 6 more transfer stations to eco depots. Expand recycling and e-cycling opportunities.</i></p>
<p>To enhance carbon sink capacity through natural resource protection and enhancement</p>	<p><i>The existing RGS and OCPs support the protection and enhancement of the environment. The OCPs (currently waiting for Provincial approval) encourage infill, and restricts urban spawl.</i></p>	<p><i>Continue to update and develop OCPs and the RGS with focus on energy efficiency, water conservation, reduced GHG emission initiatives and effective landuse.</i></p>

Additional actions

The TNRD has developed a "Travelling Road Show" which visits small unincorporated rural communities and municipalities. Public education is provided through workshops on back yard and worm composting. Newsletters are mailed out on the benefits of the three Rs of recycling. The TNRD in partnership with the City of Kamloops and School District 73 is working on developing a program to educate elementary students. The TNRD is currently working on an illegal dumping policy and has purchased infrared cameras to assist in capture and prosecution of offenders. The TNRD also promotes and facilitates community clean up programs and is in the process of developing an illegal dumping strategy. Staff is exploring options for corporate sponsorship to assist in education on effective solid waste initiatives.

Continue to educate the public. Continue to develop partnerships with school districts and explore other education opportunities to encourage GHG reduction awareness at the grass roots level. Continue with development of Illegal Dumping Strategy and public education. Continue to explore creative options and corporate sponsorship on initiatives related to solid waste management.