



The Board of Education of School District #28 Quesnel

2013 Carbon Neutral Action Report

Declaration statement:

This is the 2013 Carbon Neutral Action Report (CNAR) for The Board of Education of School District #28 Quesnel. This report contains our 2013 emissions profile, offsets purchased, the actions we have taken in 2013 to reduce our GHG emissions and our plans to continue reducing emissions in 2014 and beyond.

By June 30, the final CNAR for The Board of Education of School District #28 Quesnel will be posted to our website at www.sd28.bc.ca.

Executive Summary

The Board of Education is committed to environmental sustainability and recognizes the influence the District can have on student and employee behaviour. Environmental sustainability is defined as those practices that minimize energy use, pollution and water consumption, resulting in a small carbon footprint via reduced emissions for the district through innovative efforts focused to reduce, renew and recycle.

The Board's Climate Action Committee met in 2013 to develop and prioritize carbon neutral projects for implementation in 2013. The committee decided on seven lighting upgrade projects, which at the time of selection were estimated to reduce energy use by over 43,000 kilowatt hours per year resulting in savings of approximately \$4,200 in electricity costs.

The Board of Education also installed a number of water bottle filling stations in our schools in an effort to reduce the number of plastic bottled water purchases and encourage student and staff to bring personal fillable containers. This initiative has been extremely successful in our schools and plans are to continue with the installation of these stations in the remainder of our schools. While the stations do not contribute to emission reduction targets, they do reduce the amount of refuse in our community landfills.

Overview

Actions to Reduce Greenhouse Gas Emissions in 2013

- ◆ The Board of Education of School District #28 Quesnel completed seven (7) **lighting upgrade** projects which involve the removing of T8 lighting and installing T5HO and/or LED lighting. At the time of project selection, the seven projects were estimated to save 1,205 Kg/CO₂e emissions and save \$4,200 per year in utility costs.
- ◆ The district continues to publish a “**Green Tips**” section in our weekly newsletter. The section is dedicated to providing simple advice that contributes to environmental sustainability.
- ◆ The district continues to install “**water filling stations**” in many of our schools for students and staff to fill personal use water bottles. This action reduces the use of purchased plastic water bottles and reduces the number of plastic water bottles in our community landfill site.

Plans to Continue Reducing Greenhouse Gas Emissions 2012 – 2014

The Board of Education plans to:

1. Complete a lighting upgrade project in the gym of our oldest school building, Quesnel Junior Secondary School. This project is expected to save 3,240 kilowatt hours per year, reducing our overall emission footprint by 75 kg/CO₂e.
2. Continuing purchasing Energy Star appliances and computers when replacing units.
3. Continue to remove stand-alone printers, copiers, and/or fax machines and install multi-functional devices.
4. Work with all locations to determine current efforts directed towards carbon neutrality.

Emissions and Offsets Summary:

| The Board of Education of School District #28 (Quesnel) | |
|--|-------|
| Emissions and Offsets for 2013 (TCO2E) | |
| GHG Emissions created in calendar year 2013: | |
| Total Emissions: | 2,192 |
| Total Emissions for Offsets: | 1,455 |
| Adjustments to GHG Emissions Reported in Previous Years: | |
| Total Emissions: | -68 |
| Total Emissions for Offsets: | -1 |
| Credit owing for PCT at end of 2012 reporting year (if applicable – from May 15 Invoice): | |
| Credit Owing: | 1 |
| Total Emissions for Offsets for the 2013 | |
| Reporting Year (from Offset Invoice): | 1,453 |

Teri Stoneman
Signature

May 30, 2014
Date

Teri Stoneman
Name (please print)

Secretary Treasurer
Title

2013 Carbon Neutral Action Report (CNAR)

- Part 2 ACTIONS

<http://fluidsurveys.com/surveys/cas-z/2013-cnar-form-bps-actions/1788abf34db023cfb6a32e3ddc62ba62/>

Filled Tuesday, February 18, 2014

Please complete the following sections of the 2013 Carbon Neutral Action Report form. Save your work frequently to prevent it from being lost. You can also save a copy for your own use as either a WORD or PDF file using the buttons at the bottom of each page. This is Part 2 of the Carbon Neutral Action Report form. This section reports on actions taken to reduce emissions during the 2013 calendar year. This information will be included in your final Carbon Neutral Action Report posted on the Ministry of Environment website. When the form is complete press the submit button on the last page to automatically submit the information to the Climate Action Secretariat (CAS). Do not press submit before you are ready – this may result in a loss of work. In addition to completing this survey (Part 1 & 2), you are required to submit your completed Overview (Executive Summary) and Self-Certification Checklist. The 2013 Overview template was included in the email sent and can also be found on the LiveSmart leaders Community. Please ensure you meet the following reporting deadlines: A DRAFT 2013 CNAR is due to CAS by March 31, 2014. The draft is comprised of the Overview ONLY (no executive sign-off required). The FINAL 2013 CNAR is due to CAS by May 30, 2014. The final 2013 CNAR includes Part 1 & Part 2 survey form and Overview. The Self-Certification Checklist is due to CAS by May 15, 2014. For more information about the Carbon Neutral Government process, please refer to Becoming Carbon Neutral 2013, or should you have any questions please contact climateactionsecretariat@gov.bc.ca.

Organization Name

School District 28

Actions Taken to Reduce Emissions

1) Stationary Fuel Combustion, Electricity (Buildings): Indicate which actions were taken in 2013:

Performed energy retrofits on existing buildings

Yes

Built or are building new LEED Gold or other "Green" buildings.

No

Undertook an evaluation of overall building energy use.

No

Please list any other actions taken to reduce emissions from Buildings:

We completed seven (7) lighting upgrade projects. These projects involved removing T8 lighting and installing T5HO and/or LED lighting. At the time of project selection, the seven projects were estimated to save 1,205 kg/CO₂e emissions and utility costs of \$4,200 per year.

2) Mobile Fleet Combustion (Fleet and other vehicles): Indicate which actions were taken in 2013:

Do you have a fleet?

Yes

Replaced existing vehicles with more fuel efficient vehicles (gas/diesel)

No

Replaced existing vehicles with hybrid or electric vehicles

No

Reduced the overall number of fleet vehicles

No

Took steps to drive less than last year

No

Please list any other actions taken to reduce emission from fleet:

(No response)

3) Supplies (Paper):Indicate which actions were taken in 2013:

Used less paper than previous year

No

Used only 100% recycled paper

No

Used some recycled paper

Yes

Used alternate source paper (Bamboo, hemp, etc.)

No

Please list any other actions taken to reduce emissions from paper use:

(No response)

Actions Taken to Reduce Emissions - continued

Explain how you plan to continue minimizing emissions in 2014 and future years:

The Board of Education plans to complete a lighting upgrade project in the gym in our oldest school building, Quesnel Junior Secondary School. This project is expected to save 3,240 kilowatt hours per year, reducing our overall emissions footprint by 75 kg/CO₂e.

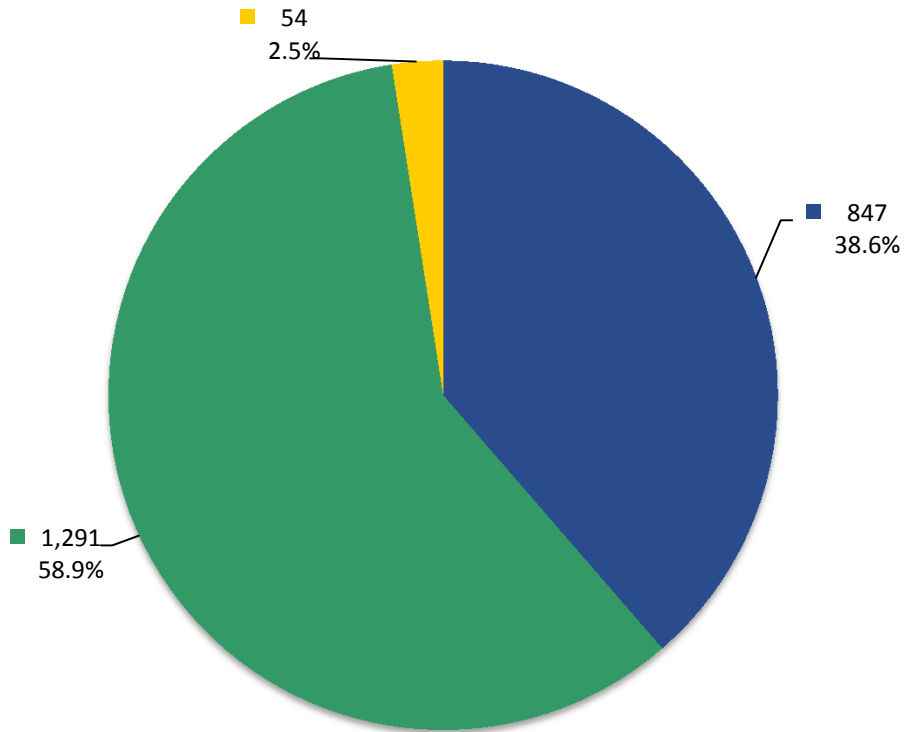
We will continue to complete emission reduction projects in future years as finances allow.

If you wish to list any other "sustainability actions" outside of buildings, fleet, paper and travel check "yes". This reporting is optional.

No

Thank you for completing the 2013 Carbon Neutral Action Report. If this form is now complete please use the submit button below to forward it to the Climate Action Secretariat, otherwise you can save it to continue at a later time. Only use the submit button once the form is 100% complete. You can also save your own copy as a WORD or PDF file. Once you click the submit button, the Climate Action Secretariat will create a PDF summary of these actions to append to your final CNAR Overview when it is submitted. Together, these will be posted on the Ministry of Environment website by June 30, 2014 as your final report for 2013.

School District 28 - Quesnel School Greenhouse Gas Emissions by Source for the 2013 Calendar Year (tCO₂e*)



Total Emissions: 2,192

- Mobile Fuel Combustion (Fleet and other mobile equipment)
- Stationary Fuel Combustion (Building Heating and Generators) and Electricity
- Supplies (Paper)

Offsets Applied to Become Carbon Neutral in 2013 (Generated May 21, 2014 3:29 PM)

Total offsets required: **1,455**. Total offset investment: **\$36,375**. Emissions which do not require offsets: **737** **

*Tonnes of carbon dioxide equivalent (tCO₂e) is a standard unit of measure in which all types of greenhouse gases are expressed based on their global warming potential relative to carbon dioxide.

** Under the *Carbon Neutral Government Regulation of the Greenhouse Gas Reduction Targets Act*, all emissions from the sources listed above must be reported. As outlined in the regulation, some emissions do not require offsets.