



The Board of Education of School District #28 Quesnel

2014 Carbon Neutral Action Report

Declaration statement:

This is the 2014 Carbon Neutral Action Report (CNAR) for The Board of Education of School District #28 Quesnel. This report contains our 2014 emissions profile, offsets purchased, the actions we have taken in 2014 to reduce our GHG emissions and our plans to continue reducing emissions in 2015 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 did not meet in 2014. Unfortunately, we did not receive funding to implement carbon neutral initiatives in 2014. We did however complete an external lighting upgrade to our parking lot at our high school.

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 2014

- ◆ The Board of Education of School District #28 Quesnel completed two (2) **external parking lot lighting upgrade** projects which involved the removing of high-pressure sodium lighting (150W) and installing LED lights. At the time of project selection, the two projects were estimated to save 34 tons of greenhouse gas emissions.
- ◆ 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.

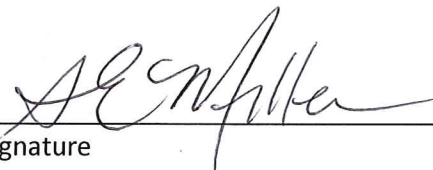
Plans to Continue Reducing Greenhouse Gas Emissions 2015 – 2017

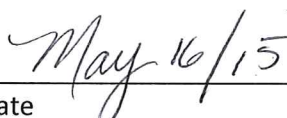
The Board of Education plans to:


1. Continue working with a consulting group that has been hired to do a “School Development Strategy” for the district. This process is expected to be completed by December 2015 and could substantially change the future use of the District’s schools and facilities and likely includes school closures. These potential closures could have a significant reduction in our building heating and electricity usage, reducing overall emissions.
2. Downsize our automotive fleet by selling surplus vehicles.
3. Continuing purchasing Energy Star appliances and computers when replacing units.
4. Continue to remove stand-alone printers, copiers, and/or fax machines and install multi-functional devices.
5. Work with all locations to determine current efforts directed towards carbon neutrality.

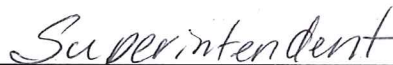
Emissions and Offsets Summary:

The Board of Education of School District #28 (Quesnel)	
Emissions and Offsets for 2014 (TCO2E)	
GHG Emissions created in calendar year 2014:	
Total Emissions:	2,098
Total Emissions for Offsets:	1,490
Adjustments to GHG Emissions Reported in Previous Years:	
Total Emissions:	-1
Total Emissions for Offsets:	0
Credit owing for PCT at end of 2013 reporting year (if applicable – from May 15 Invoice):	
Credit Owing:	0
Total Emissions for Offsets for the 2014	
Reporting Year (from Offset Invoice):	1,490


Signature


Date


Name (please print)


Title

2014 Carbon Neutral Action Report (CNAR)

- Part 2 ACTIONS

Organization Name

The Board of Education of School District #28 Quesnel

Actions Taken to Reduce Emissions

1) Stationary Fuel Combustion, Electricity (Buildings):Indicate which actions were taken in 2014:

Performed energy retrofits on existing buildings

No

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:

(No response)

2) Mobile Fleet Combustion (Fleet and other vehicles):Indicate which actions were taken in 2014:

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 2014:

Used less paper than previous year

Yes

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)

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Actions Taken to Reduce Emissions - continued

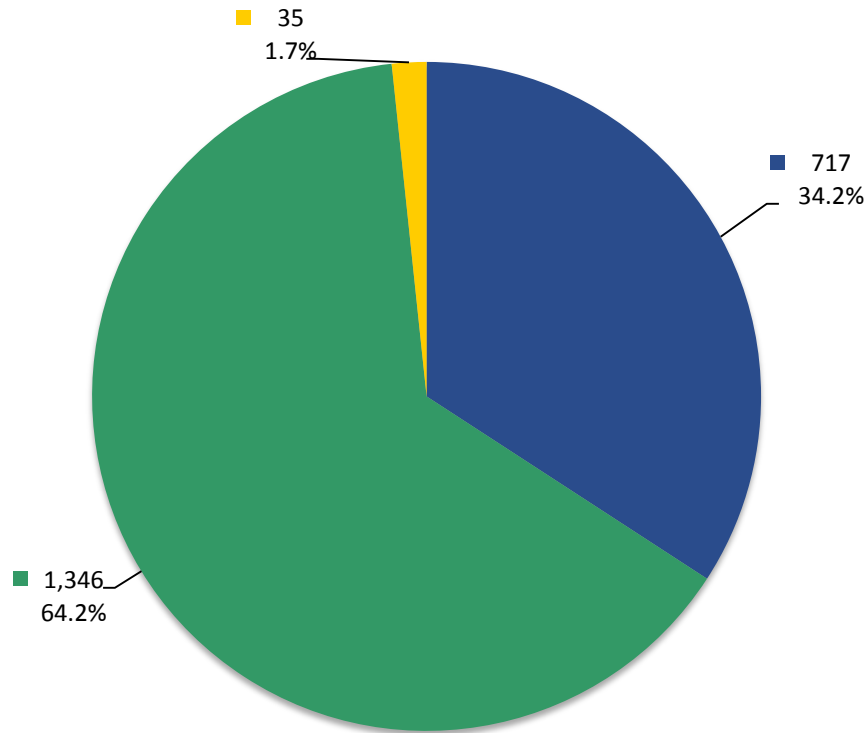
Explain how you plan to continue minimizing emissions in 2015 and future years:

The Board of Education is currently undergoing a Schools Development Strategy. This process has the potential to reduce our asset footprint, including buildings and vehicles. Reduction of these types of assets will reduce our emissions in future years beyond 2015.

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

No

**School District 28 - Quesnel School
Greenhouse Gas Emissions by Source
for the 2014 Calendar Year (tCO₂e*)**



Total Emissions: 2,098

- 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 2014 (Generated June 23, 2015 12:12 PM)

Total offsets required: **1,490**. Total offset investment: **\$37,250**. Emissions which do not require offsets: **608** **

*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.