

Carbon Neutral Action Report - Overview

This is the 2013 Carbon Neutral Action Report (CNAR) for School District No. 57 (Prince George). 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.

By June 30, 2014, School District No. 57 (Prince George) final CNAR will be posted to our website at www.sd57.bc.ca.

School District No. 57 (Prince George) has been carbon neutral since 2010. In 2013 we have continued our efforts to reduce our carbon footprint by upgrading the gas fired heating units at College Heights Elementary with a new condensing boiler system and independent unit ventilators. Additional building envelope upgrades to this facility has resulted in a combined 50% saving on gas consumption. Further changes to the operation of our Direct Digital Controls systems, on all of our schools, has reduced our gas consumption even more. Additional savings are credited to the continuation of our lighting improvements projects as we change T-12 fluorescent tubes to T-8.

We have a five year plan to continue boiler and heating system improvements throughout the district. For 2014 we are replacing 5 gymnasium ventilation units, continuing the second phase of ventilation unit replacements at College Heights Elementary, and replacing the hot water boiler system at Southridge Elementary.

By reducing our gas and electricity consumption we have reduced our carbon footprint and returned these savings for use on more sustainability projects resulting in more money being returned to the education of students within our district.

Emissions and Offsets Summary:

School District No. 57 (Prince George) GHG Emissions and Offsets for 2013 (TCO2E)	
GHG Emissions created in calendar year 2013	
Total Emissions	6176
Total Emissions for Offsets	6163
Adjustments to GHG Emissions Reported in Previous Years	
Total Emissions	569

Total Emissions for Offsets	569
Credit owing from PCT at end of 2012 reporting year (if applicable – from May 15 Invoice):	
Credit Owing	0
Total Emissions for Offsets for the 2013 Reporting Year (from Offset Invoice):	6732

Brian Pepper

Signature

2014.05.29

Date

BRIAN PEPPER

Name (please print)

SUPERINTENDENT

Title

2013 Carbon Neutral Action Report (CNAR) - Part 2 ACTIONS

Created Thursday, March 20, 2014

Updated Friday, May 30, 2014

<https://fluidsurveys.com/surveys/cas-z/2013-cnar-form-bps-actions/a043c50f4c2758ecbefdf089fb6543ba/>

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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 No. 57 (Prince George)

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.

Yes

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

Replaced T-12 lighting fixtures in five elementary schools.

Replaced gas fired multi-zone unit ventilators in one elementary school with new condensing gas boilers and individual classroom unit ventilators.

Monitored gas consumption rates for all buildings, adjusted building management systems direct digital controls for better control of these sites.

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

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)

Actions Taken to Reduce Emissions - continued

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

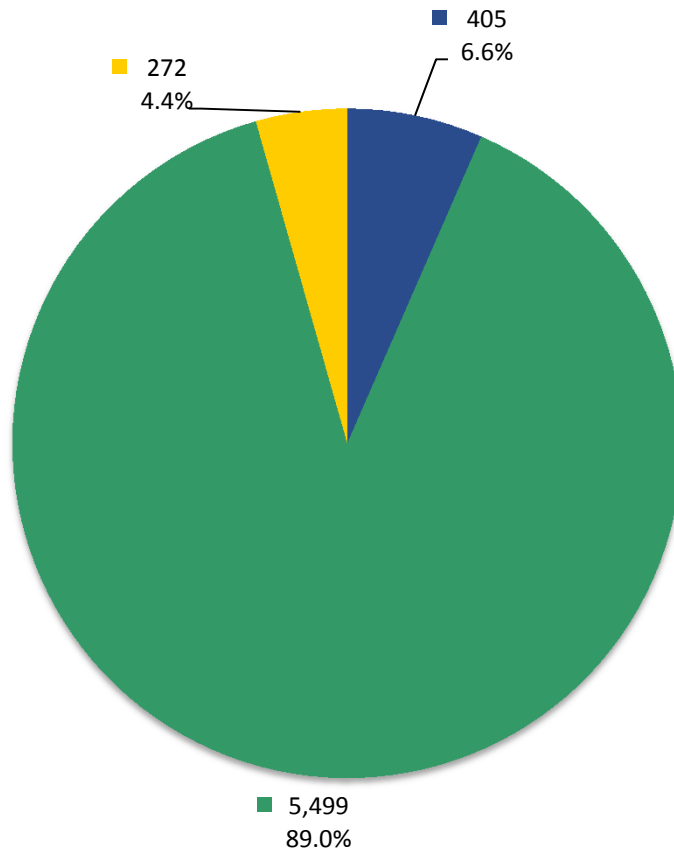
We have a five year plan to continue boiler and heating system improvements. For 2014 we are replacing five gymnasium ventilation units, continuing the second phase of ventilation unit replacements at one elementary school and are replacing the boiler system with a new condensing boiler system at another elementary school.

Further lighting replacement projects will continue replacing the T-12 lighting fixtures with T-8 and installing new LED lighting to gymnasium's, exterior and parking lots.

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 57 - Prince George Greenhouse Gas Emissions by Source for the 2013 Calendar Year (tCO₂e*)



Total Emissions: 6,176

- 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 3:54 PM)

Total offsets required: **6,163**. Total offset investment: **\$154,075**. Emissions which do not require offsets: **13** **

*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.