

Carbon Neutral Action Report - 2013

Executive Summary

This is the 2013 Carbon Neutral Action Report (CNAR) for School District No.59 (Peace River South). 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.

School District No.59 is committed to adopting innovative practices and facility upgrades that reduce our emissions and ecological footprint. We have completed comprehensive building energy audits and implemented a Strategic Energy Management Plan to target emission reductions.

We believe that teaching and modeling sustainable practices is a critical component in educating future generations. In addition to many facility upgrades, our district has a strong focus on education and culture change to reduce our collective impact. Through many school and class-based initiatives we are fostering an awareness of the need to protect our natural environment and sustainably use our natural resources.

By June 30, 2014, School District No.59 final CNAR will be posted to our website at www.SD59.bc.ca.

2013 Sustainability Initiatives

School District 59 has increased its commitment to protecting the natural environment by reducing waste, and reducing energy consumption. Working with our Strategic Energy Management Plan (SEMP). The SEMP plan includes energy upgrades for all School District No. 59 buildings and sets aggressive targets for energy conservation. We have completed energy upgrades for three of our larger schools: Dawson Creek Secondary (DCSS) – Central campus, Tumbler Ridge Elementary and Tumbler Ridge Senior Secondary. These upgrades are for the entire building including lighting upgrades, and lighting and heating control upgrades.

Also, we have replaced the old boiler plant at DCSS -South Peace Campus with new high efficient boilers. This upgrade will significantly reduce heating energy and will be geothermal ready for future expansion.

During our roofing projects we have used insulation upgrades to reduce heating costs. We have completed roofing upgrades for the Board Office / Operations building and a large portion of the DCSS - Central Campus.

Our schools are role models for our communities. We make an effort to display positive

environmental actions within our communities. To encourage waste reduction and diversion, three schools now host recycling depots. These depots have several bins that allow for residents and schools to properly dispose of recyclables in a convenient location. This year, two more recycling stations have been added to Ecole Frank Ross Elementary and Rolla Elementary.

Education is key to encourage the adoption of sustainable living practices and to generate buy-in for district conservation initiatives. School District no.59 knows the importance of connecting young people with the natural world. Our students regularly participate in conservation efforts through BC Hydro programming and Destination Conservation. In 2013, more than 1500 students (50% of district students) participated in at least one district-provided environmental/outdoor program.

Emissions and Offsets Summary:

Organization X GHG Emissions and Offsets for 2013 (TCO2E)	
GHG Emissions created in calendar year 2013 (from SMARTTool Homepage)	
Total Emissions	3829
Total Emissions for Offsets	2738
Adjustments to GHG Emissions Reported in Previous Years (from SMARTTool Homepage)	
Total Emissions	4
Total Emissions for Offsets	4
Credit owing from PCT at end of 2012 reporting year (if applicable – from May 15 Invoice):	
Credit Owing	-
Total Emissions for Offsets for the 2013 Reporting Year (from Offset Invoice):	2742

Signature	<i>Flora Christenson</i>	Date	<i>May 30, 2014.</i>
Name (please print)	Flora Christenson	Title	Assistant Secretary Treasurer

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

Created Friday, May 16, 2014

Updated Thursday, May 29, 2014

<http://fluidsurveys.com/surveys/cas-z/2013-cnar-form-bps-actions/c14d89853f734d5e72a1d541ed80aaee/>

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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.59 (Peace River South)

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:

Lighting and lighting control upgrade to Tumbler Ridge Sen. Sec. and Tumbler Ridge Elementary.

Boiler plant and control upgrade for Dawson Creek Sen. Sec. South Peace Campus.

Building envelope upgrade to Board Office / Operations building.

Replace forced air furnaces with high efficient boilers at Crescent Park Elementary.

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)

Yes

Replaced existing vehicles with hybrid or electric vehicles

No

Reduced the overall number of fleet vehicles

Yes

Took steps to drive less than last year

Yes

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

*For out of town projects maintenance crews work four ten hour shifts, eliminating one day of travel.
Removed large sand truck and added box sanders to existing plow trucks. This removed one large vehicle for winter maintenance.
Using conference calling and desk top sharing to reduce travel for staff.
Continue to encourage car pooling when ever possible*

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:

Working on reducing the number of printers and copiers. Using a centralized printing and copying area. Also set copiers and printers to print double sided.

Actions Taken to Reduce Emissions - continued

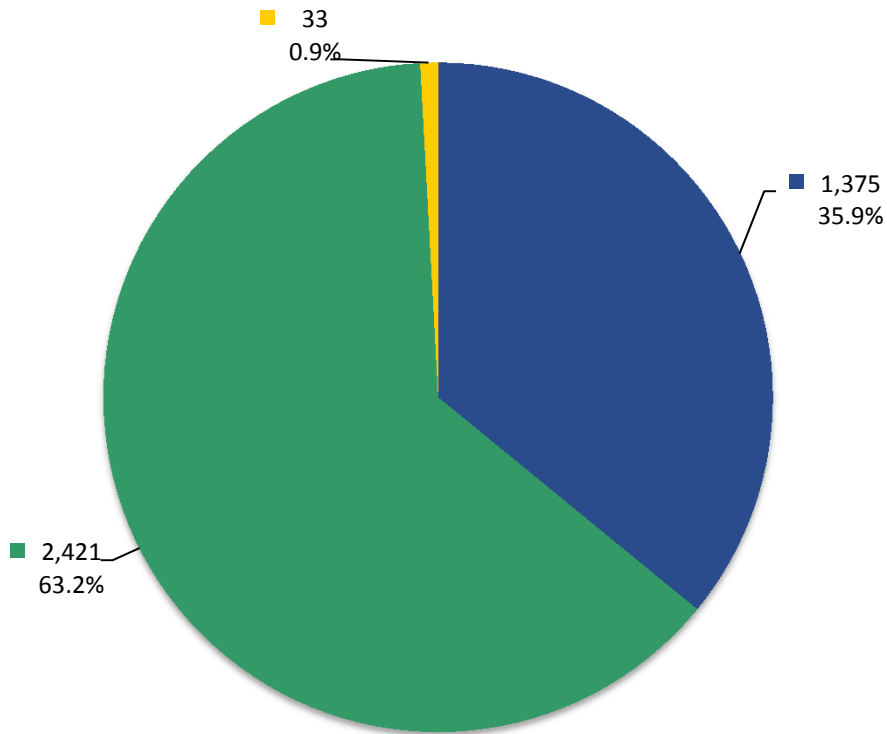
Explain how you plan to continue minimizing emissions in 2014 and future years:

Working with our Strategic Energy Management Plan (SEMP). The SEM Plan includes energy upgrades for all School District No. 59 buildings and sets aggressive targets for energy conservation.

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 59 - Peace River South (Dawson Creek)
Greenhouse Gas Emissions by Source
for the 2013 Calendar Year (tCO₂e*)**



Total Emissions: 3,829

- 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 3:56 PM)

Total offsets required: **2,738**. Total offset investment: **\$68,450**. Emissions which do not require offsets: **1,091** **

*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.