



Board of Education School District No. 91 (Nechako Lakes)

Carbon Neutral Action Report - 2013

This is the 2013 Carbon Neutral Action Report (CNAR) for Board of Education School District No. 91 (Nechako Lakes). 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, 2014, Board of Education School District No. 91 (Nechako Lakes)'s final CNAR will be posted to our website at www.sd91.bc.ca

Our school district continues to make improvements with the performance our HVAC systems in our facilities. Our consumption has reduced by about 5% per year since 2011. Our capital program for upgrading our lighting technology continues with the conversion of our first secondary gymnasium to LED technology and includes various lighting configurations.

Four of our secondary schools are participating in the BC Hydro Optimization Program at several of our secondary schools

At the academic and behaviour level, our school district actively participates in the Destination: Conservation program.

2013 Greenhouse Gas Emissions

Our greenhouse gas (GHG) emissions for 2013 are as follows:

Scope 1 – Direct Emissions

| | |
|---------------------------------|-----------------------------------|
| Mobile Fuel Combustion | 1,298 tonnes of CO ₂ e |
| Mobile Fugitive Emissions * | 7 tonnes of CO ₂ e |
| Stationary Fuel Combustion | 2,060 tonnes of CO ₂ e |
| Stationary Fugitive Emissions * | |

Scope 2 – Indirect Emissions

| | |
|-------------|---|
| Electricity | 70 tonnes of CO ₂ e - <i>estimated</i> |
|-------------|---|

Scope 3 - Office Paper Emissions

| | |
|------------------|--------------------------------|
| Supplies (Paper) | 52 tonnes of CO ₂ e |
|------------------|--------------------------------|

Scope 4 – Prior Year Adjustment

| | |
|-----------------------|-------------------------------|
| Stationary Combustion | 0 tonnes of CO ₂ e |
|-----------------------|-------------------------------|



- * It is estimated that fugitive emissions from cooling do not comprise more than 1.0% of the organization's 3,480 tCO₂e of total emissions and an ongoing effort to collect or estimate emissions from this source would be disproportionately onerous. For this reason, emissions from this source have been deemed out-of-scope and have not been included in our organization's 3,480 tonnes of total greenhouse gas emission profile.

Offsets Applied to Become Carbon Neutral in 2013

In accordance with regulation and in an effort to become carbon neutral, the Board of Education School District No. 91 (Nechako Lakes) has offset our carbon emissions by disposing of these offsets in the Pacific Carbon Trust equivalent to 2,407 tCO₂.

As required by section 5 of the Carbon Neutral Government Regulation, 1,073 tCO₂e of emissions resulting from the operation of school buses were reported as part of our greenhouse gas emissions profile in 2013. However, they were not offset as they are out-of-scope under section 4(2)c of the Carbon Neutral Government Regulation.

Changes to Greenhouse Gas Emissions and Offsets Reporting from Previous Years

Not applicable

Overpayments to Pacific Carbon Trust

Not applicable

Emissions and Offsets Summary

| Board of Education School District No. 91 (Nechako Lakes) GHG Emissions and Offsets for 2013 (TCO₂E) | |
|--|-------|
| GHG Emissions created in calendar year 2013 (from SMARTTool Homepage) | |
| Total Emissions | 3,845 |
| Total Emissions for Offsets | 2,405 |
| Adjustments to GHG Emissions Reported in Previous Years (from SMARTTool Homepage) | |
| Total Emissions | 0 |



| | |
|---|-------|
| Total Emissions for Offsets | 0 |
| Credit owing from PCT at end of 2012 reporting year (if applicable – from May 15 Invoice): | |
| Credit Owing | 25 |
| Total Emissions for Offsets for the 2013 Reporting Year (from Offset Invoice): | 2,380 |

Darlene Turner

Signature

MAY 30, 2014

Date

DARLENE TURNER

Name (please print)

SECRETARY TREASURER

Title

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

Created Friday, March 28, 2014

<https://fluidsurveys.com/surveys/cas-z/2013-cnar-form-bps-actions/66219b73a18eae67da7fe1c1d3f393c6/>

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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. 58 (Nicola-Similkameen)

Actions Taken to Reduce Emissions

1) Stationary Fuel Combustion, Electricity (Buildings):

Indicate which actions were taken in 2013:

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.

Yes

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

Looked at four schools using CNCP bylaw dollars to reduce energy.

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:

continuous conversations with employees over the no idling of buses and other service vehicles. Encouraging employees to carpool when necessary.

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:

Put up signs at the high school (largest users) to inform the daily usage.

Encouraging emailing vs faxing and printing.

Actions Taken to Reduce Emissions - continued

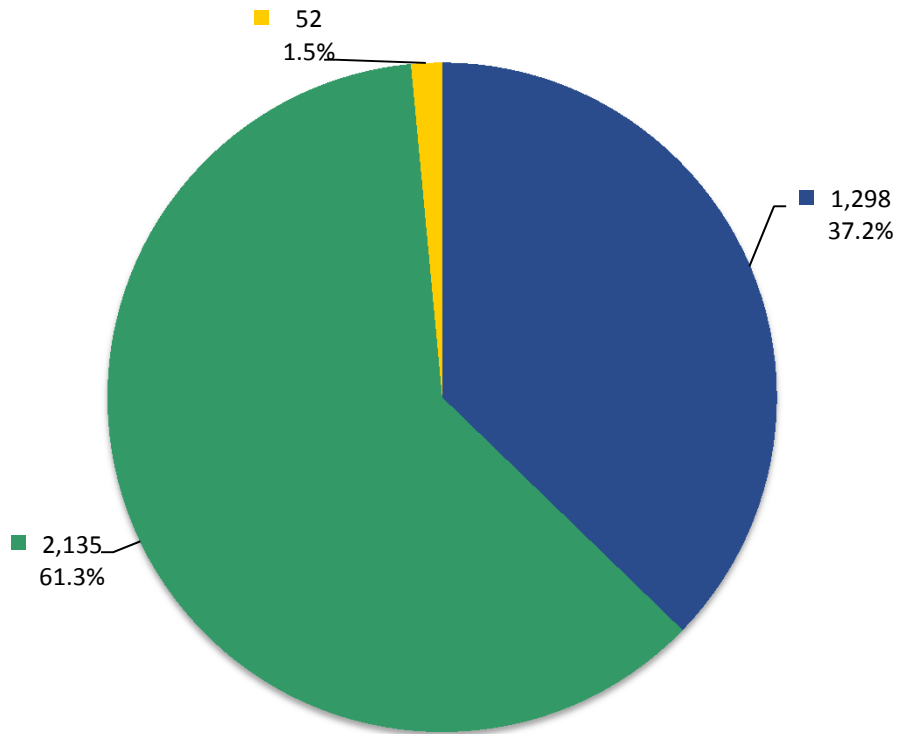
Explain how you plan to continue minimizing emissions in 2014 and future years:

Using the CNCP bylaw capital dollars the district will continue to look at energy projects that will help minimize emissions.

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 91 - Nechako Lakes
Greenhouse Gas Emissions by Source
for the 2013 Calendar Year (tCO₂e*)**



Total Emissions: 3,485

- 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 4:21 PM)

Total offsets required: **2,405**. Total offset investment: **\$60,125**. Emissions which do not require offsets: **1,080** **

*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.