

# School District 70 (Alberni) – 2013 Carbon Neutral Action Report

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## Executive Summary

The Alberni School District continues to embrace energy conservation measures and is dedicated to reducing carbon emissions. We constantly maintain environmental consciousness as buildings are renovated, retrofitted and decommissioned as well as continuing to complete as many upgrades to lighting, mechanical and control systems as we can, within our budget constraints.

2013 represented our first year of occupancy in our newly constructed high school and we are in the process of pursuing LEED Gold certification for this building. We are very excited about this new facility as it houses many state-of-the-art green technologies which will have a substantial impact on emissions reduction in our district. This new high school will reduce our electrical consumption and use less boiler fuels, further reducing our greenhouse gas emissions. Additionally we have decommissioned our 60 year old high school which was completely offline as of July 2013 further reducing electrical consumption and use of boiler fuels.

At SD70 our commitment is to improving learning for all students. This includes raising awareness around environmental issues and educating staff and students to be good “Global Citizens”. District wide students and staff have engaged in many initiatives:

- reducing waste output
- car-pooling programs
- actively recycling
- composting
- purchasing green products
- undertaking energy challenges
- turning off / unplugging unneeded equipment and lights

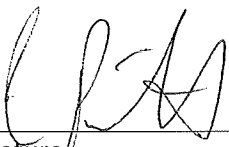
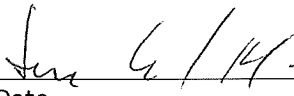
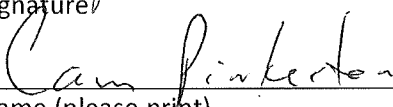
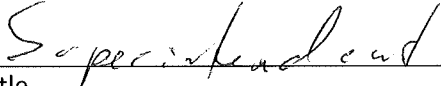
We continue to upgrade our fleet, again within budget constraints, as well as educating our Transportation employees on “Idle Free” initiatives and driving practices conducive to reducing energy consumption. A reduction in Transportation funding for 2013/2014 has necessitated a reduction of 3 bus routes, taking 3 full-time buses off the road. This reduction will also result in a positive impact to our emissions

We are continuing to explore, with the city of Port Alberni and Catalyst Paper Corporation, a district energy system plan. The district energy system would recover waste heat from the Catalyst Paper mill. Burning biomass produces the heat which would be greenhouse gas-neutral. As such, the carbon tax and carbon offsets would not apply to this energy source. The city is applying for funding from the federal ecoEnergy Innovation Initiative and the Federation of Canadian Municipalities Green Municipal Fund, for this project.

As always, environmental effects and benefits continue to be considered in all of our decisions and practices.

**Emissions and Offsets Summary:**

<b>SD70 GHG Emissions and Offsets for 2013 (TCO2E)</b>	
<b>GHG Emissions created in calendar year 2013 (from SMARTTool Homepage)</b>	
Total Emissions	1406
Total Emissions for Offsets	1225
<b>Adjustments to GHG Emissions Reported in Previous Years (from SMARTTool Homepage)</b>	
Total Emissions	15
Total Emissions for Offsets	15
<b>Credit owing from PCT at end of 2012 reporting year (if applicable – from May 15 Invoice):</b>	
Credit Owing	0
Total Emissions for Offsets for the 2013 Reporting Year (from Offset Invoice):	1240

	
Signature	Date
	
Name (please print)	Title

Cam Pinkerton  
 Superintendent  
 School District 70 (Alberni)

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

Created Wednesday, June 04, 2014

Updated Friday, June 06, 2014

<https://fluidsurveys.com/surveys/cas-z/2013-cnar-form-bps-actions/34474e8d0de914c34c5ce9dde51bff5f/>

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## Page 1

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](mailto:climateactionsecretariat@gov.bc.ca).

Organization Name

*School District 70 (Alberni)*

**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:

*(No response)*

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:

*Continuing to drive "Idle Free" messaging*

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:

*Moving to paperless meetings whenever possible*

Actions Taken to Reduce Emissions - continued

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

*Explore alternate energy sources (purchasing recovered heat waste from Catalyst Paper)*

*Moving to tablets for Trustees (paperless meetings)*

*Continue to promote and support student driven initiatives (energy challenges, turn off/unplug, etc.)*

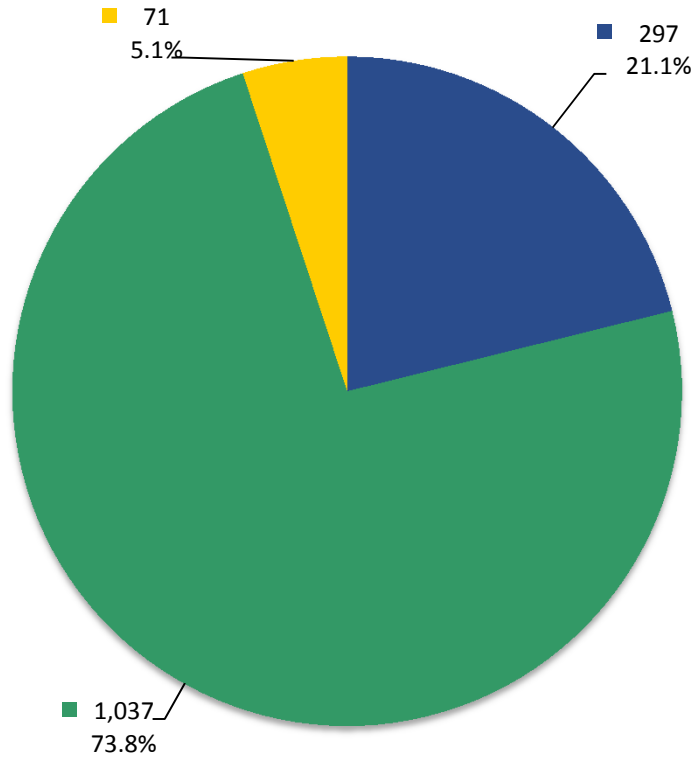
*Add HVAC occupancy sensors to facilities as time and budget permits*

*Replace older boilers with new efficient units (2 facilities planned for 2014)*

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 70 - Alberni  
Greenhouse Gas Emissions by Source  
for the 2013 Calendar Year (tCO<sub>2</sub>e\*)**



**Total Emissions: 1,406**

- 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 4:06 PM)**

Total offsets required: **1,225**. Total offset investment: **\$30,625**. Emissions which do not require offsets: **181** \*\*

\*Tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e) 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.