

2014 Carbon Neutral Action Report School District 70 (Alberni)

Executive Summary

This Carbon Neutral Action Report for the period January 1st to December 31st, 2014 summarizes our emissions profile, the amount of offsets purchased to reach net zero emissions, the actions we have taken in 2014 to reduce our greenhouse gas emissions and our plans to continue reducing emissions in 2015 and beyond. By June 30th, 2015, School District 70's final Carbon Neutral Action Report will be posted to our website at www.sd70.bc.ca

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. We continue to pursue projects designed to reduce emissions through the Carbon Neutral Capital Program and continuously review our practices with an eye to reducing emissions at every opportunity

From 2011 through 2014 we have reduced our total emissions by 45%. The largest contributor to our improvement in 2014 was the realignment of our transportation system. Careful review of catchment areas, walk limits and cross-boundary busing has allowed us to discontinue the operation of 3 buses which represents 1/3 of our fleet. In 2014 we received Leed Gold certification for our new high school. This new facility houses many state-of-the-art green technologies which have had a substantial impact on emissions reduction in our district through a significant reduction in boiler fuel consumption.

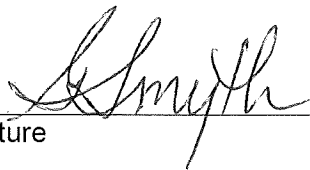
At SD70 we are committed to improving learning for all students. This includes raising awareness around environmental issues and educating staff and students to be good "Global Citizens". District wide students and staff have engaged in many initiatives:

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

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

Emissions and Offsets Summary Table:

School District 70 (Alberni) GHG Emissions and Offsets for 2014 (TCO2E)	
GHG Emissions created in Calendar Year 2014:	
Total Emissions (TCO2E)	1016
Total Offsets (TCO2E)	897
Adjustments to GHG Emissions Reported in Prior Years:	
Total Emissions (TCO2E)	-1
Total Offsets (TCO2E)	1
Total Emissions for Offset for the 2014 Reporting Year:	
Total Offsets (TCO2E)	898


2015-06-09

 Signature Date

GREG SMYTH SUPERINTENDENT

 Name Title

2014 Carbon Neutral Action Report (CNAR) - Part 2 ACTIONS

Organization Name

School District 70 (Alberni)

Actions Taken to Reduce Emissions

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

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:

Installation of HVAC occupancy sensors in 2 facilities

Active promotion of recycling, composting and car-pooling programs

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)

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:

Continued promotion of "Idle Free" driving habits

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:

Moved to "Paperless" School Board Meetings

Page 3

Actions Taken to Reduce Emissions - continued

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

Moving from oil fired to propane boilers Ucluelet Secondary School

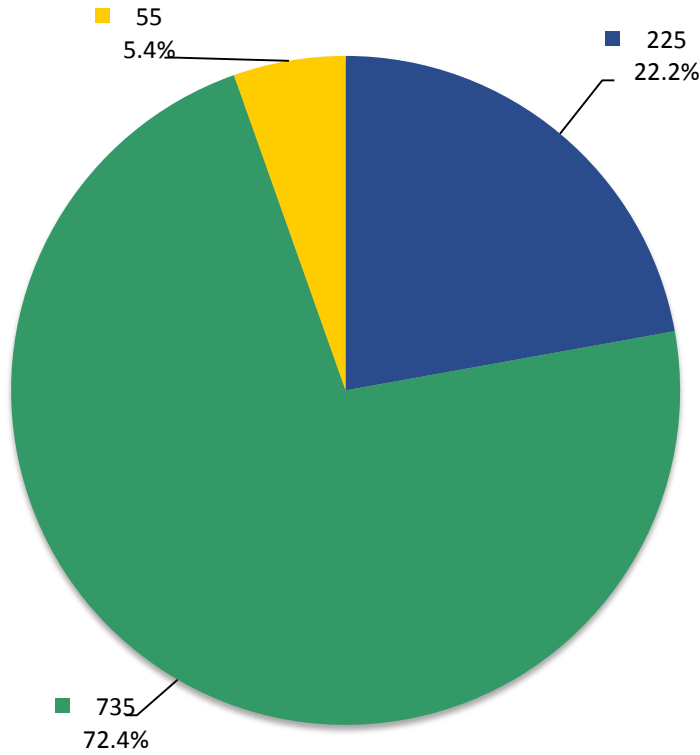
Replaced 4 old furnace units with more efficient models at Maquinna Elementary School

\$50000 in AFG funding earmarked for additional occupancy sensor installations

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 2014 Calendar Year (tCO₂e*)**



Total Emissions: 1,016

- 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 3:22 PM)

Total offsets required: **897**. Total offset investment: **\$22,425**. Emissions which do not require offsets: **119** **

*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.