



School District No. 52 (Prince Rupert)

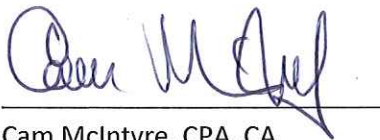
2013 Carbon Neutral Action Report

Executive Summary

School District No. 52 is a district of approximately 2,050 students. In January 2013 the district educated its students in five elementary schools, one middle school, one secondary school, one Aboriginal village school and one distributed learning storefront school. The district is supported by a maintenance building, an aboriginal education administration building and a board office. Six trustees at large and one rural trustee represent the communities of School District No. 52. Of its 15 sites, 13 are owned (3 of these are currently closed with no heat maintained), 1 is band owned and 2 are leased. The average age of the owned buildings is over 40 years.

With funding being scarce and aging facilities, the District looks to carbon neutral projects that deliver savings directly or indirectly by reducing maintenance on its facilities and vehicles. 2013 saw the completion of the building envelope project at the high school which has resulted in significantly improved insulation values for the building and reduced carbon emissions. Energy efficiency projects are planned in 5 schools for the summer of 2014. The District will look to the future to change culture and to provide leadership to students, staff and the community.

Submitted by:

A handwritten signature in blue ink, appearing to read "Cam McIntyre", is written over a horizontal line.

Cam McIntyre, CPA, CA
Secretary-Treasurer

Overview

2013 Greenhouse Gas Emissions

Offsets Applied to Become Carbon Neutral in 2013

Offsets for 848 Tonnes of carbon dioxide equivalent were purchased.

Certain bussing services for School District No. 52 are provided by a private contractor. These emissions did not require offsets. Emissions which did not require offsets were 22 Tonnes of carbon dioxide.

Actions Taken to Reduce Greenhouse Gas Emissions in 2013

School District No. 52's key actions taken during 2013 toward carbon neutrality were the completion of the building envelope project at the high school, and first full year impact of the closure of a school in August 2012 (moving into new leased space in January 2013). School District No. 52's efforts are aimed at retrofitting aging buildings with higher efficiency equipment and consideration of replacement or closure of buildings. For example the district is working diligently to take advantage of fossil fuel reduction projects like lighting retrofits and HVAC system upgrades, including boilers – particularly where there is sharing of project funding, a reasonable payback period or straight savings to the district. Energy audits of 5 buildings were completed in 2013.

Plans to Continue Reducing Greenhouse Gas Emissions in 2014 – 2016

Energy efficiency projects are planned to be completed in the summer of 2014 for 5 schools, based on the results of the energy audits completed in 2013. Ministry of Education funding has been approved, and an application for BC Hydro Power Smart funding will also be submitted.

Ministry funding for additional energy audits has been provided and will be used to identify future energy efficiency projects.

Report

Mandate

Carbon neutrality is linked to the mandate of the district by government regulation.

Sustainability Goals

The district's goal is to continue to take action to reduce carbon emissions.

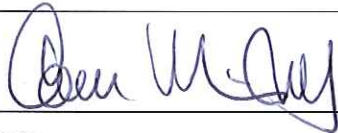
Benefits

There are significant financial benefits to reducing carbon emissions, both in terms of reduced energy costs and reduced carbon offset payments.

Education of employees and students in ways to reduce energy use will have a broader benefit to the community as a whole.

Emissions and Offsets Summary

School District No. 52 (Prince Rupert) GHG Emissions and Offsets for 2013 (TCO2E)	
GHG Emissions created in calendar year 2013 (from SMARTTool Homepage):	
Total Emissions	870
Total Emissions for Offsets	848
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	0
Total Emissions for Offsets for the 2013 Reporting Year (from Offset Invoice):	848



Signature

May 16, 2014

Date

Cameron McIntyre
Secretary - Treasurer

Name

Title

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

Created Thursday, March 27, 2014

Updated Thursday, May 15, 2014

<https://fluidsurveys.com/surveys/cas-z/2013-cnar-form-bps-actions/88a133df73596e4ec5302bb35dd14af8/>

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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. 52 (Prince Rupert)

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:

Closed an old school building and moved into new, smaller and more energy efficient space.

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

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:

Replaced photocopier fleet with new copiers and an improved copy management software system.

Actions Taken to Reduce Emissions - continued

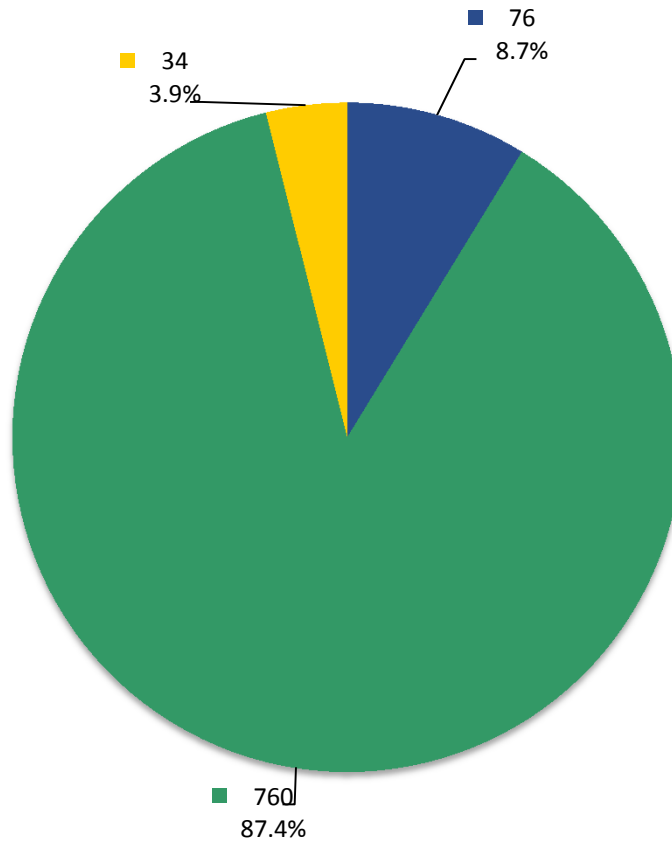
Explain how you plan to continue minimizing emissions in 2014 and future years:

Energy efficiency projects will be completed in 5 schools in the summer of 2014. Audits to identify additional projects will be undertaken.

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



Total Emissions: 870

- 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 3:51 PM)

Total offsets required: **848**. Total offset investment: **\$21,200**. Emissions which do not require offsets: **22** **

*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.