



School District No. 52 (Prince Rupert)

2014 Carbon Neutral Action Report

Executive Summary

School District No. 52 is a district of approximately 2,050 students. In January 2014 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, 12 are owned (3 of these are currently closed with no heat maintained in 2 of the 3), 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. 2014 was the first full year of reduced energy from this building. Energy efficiency projects were completed in 5 schools in the summer of 2014. The District is seeking to change culture and to provide leadership to students, staff and the community.

Submitted by:

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

Cam McIntyre, CPA, CA
Secretary-Treasurer

Overview

2014 Greenhouse Gas Emissions

Offsets Applied to Become Carbon Neutral in 2014

Offsets for 908 Tonnes of carbon dioxide equivalent were purchased, which included 45 tonnes in adjustments to the reporting for 2013.

Certain bussing services for School District No. 52 were provided by a private contractor. These emissions of contractor assets are out-of-scope and have not been reported. Emissions reported for district bussing which do not require offsets were 22 Tonnes of carbon dioxide.

Actions Taken to Reduce Greenhouse Gas Emissions in 2014

School District No. 52's key actions taken during 2014 toward carbon neutrality were first full year impact of the building envelope project completed at the high school in 2013, and energy upgrades completed at 5 district school in the summer of 2014. School District No. 52's efforts are aimed at retrofitting aging buildings with higher efficiency equipment and consideration of replacement or closure of buildings. The district is looking 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. Additional energy audit work was completed in 2014.

Plans to Continue Reducing Greenhouse Gas Emissions in 2015 – 2017

Implementation of the energy efficiency projects that were completed for 5 schools in the summer of 2014 is continuing. Design of the conversion of the heating control system at the high school to direct digital controls will commence in the summer of 2015.

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.

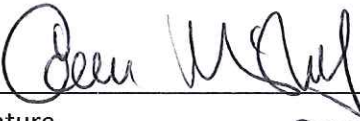
Benefits

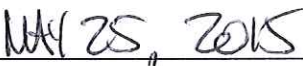
There are significant financial benefits to reducing carbon emissions, both in terms of reduced energy costs and reduced carbon offset payments.

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 2014 (TCO2E)	
GHG Emissions created in calendar year 2014 (from SMARTTool Homepage):	
Total Emissions	875
Total Emissions for Offsets	863
Adjustments to GHG Emissions Reported in Previous Years (from SMARTTool Homepage):	
Total Emissions	44
Total Emissions for Offsets	45
Credit owing from PCT at end of 2013 reporting year (if applicable – from May 15 Invoice):	
Credit Owing	0
Total Emissions for Offsets for the 2014 Reporting Year (from Offset Invoice):	908


 Signature _____
Cameron McIntyre
Secretary - Treasurer


 Date _____

Name

Title

2014 Carbon Neutral Action Report (CNAR)

- Part 2 ACTIONS

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 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:

Tendered engineering work to upgrade the heating control system in the largest building; work planned to be completed during the 2015/16 school year.

Conditional sale of a closed school property will result in a small reduction in electricity usage.

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)

No

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 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:

(No response)

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Actions Taken to Reduce Emissions - continued

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

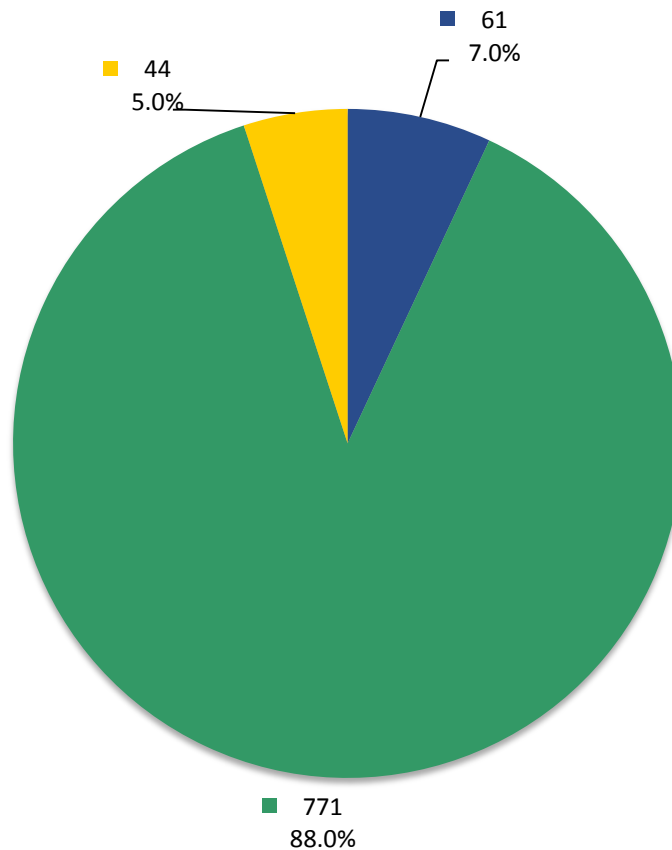
Planning the upgrade of the heating control system in the high school.

Working toward the replacement of the middle school.

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 2014 Calendar Year (tCO₂e*)**



Total Emissions: 875

- 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 2:52 PM)

Total offsets required: **863**. Total offset investment: **\$21,575**. Emissions which do not require offsets: **12** **

*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.