



School District No. 47 (Powell River)

Title: 2014 Carbon Neutral Action Report

Organization Name: School District 47 (Powell River)

Declaration Statement:

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 plans to continue reducing emissions in 2015 and beyond.

Overview:

In 2014, School District 47 again made progress towards the overall reduction of greenhouse gases. The largest contribution to our reduction of greenhouse gases was receipt of LEED-Gold Certified status for our recently opened elementary School, Westview Elementary. The LEED certification will result in substantial cost and energy savings for years to come.

Furthermore, 2014 continued to see a reduction in the spaces the District has been leasing or renting. Renovations to the Oceanview Education Centre are nearing completion and will next year include a lighting upgrade. Once complete this facility will not only house the programs previously occupied in leased spaces within the community, but will allow us to house additional programs avoiding the need to lease program space in the future. This reduction on our building portfolio will continue to contribute to the annual decrease in greenhouse gas emissions.

Also, in 2014 was the substantial completion of a seismic renovation at Henderson Elementary School. This renovation included the replacement of all single paned windows throughout the building with new thermal double paned energy efficient windows, as well as a complete lighting upgrade, and in 2015 we will see the installation of an efficient high density boiler. These improvements will all contribute to reduced energy costs.

Also planned in 2015, are boiler upgrades in two elementary schools with window upgrades in one and further window upgrades in the other during 2016.

The Transportation Department again made progress in reducing greenhouse gases with the purchase of two new, fuel-efficient buses. These buses are both smaller and better match our carrying needs and will emit less than their larger counterparts.

On the school level, School District 47 continues to take pride in educating the next generation to protect our future by continuing with the funding of the Sustainable Schools Committee. Part of the mandate of the Board of Education is to increase awareness of and positive action in regard to reducing our carbon footprint in practical ways. Schools have further incentive to participate, as some of the financial savings have been returned to the schools to fund future projects, such as gardening programs and eco-friendly playground equipment. Other examples, on a smaller scale, are school recycling programs, which allow schools to use monies “earned” from returning beverage containers for classroom supplies. Our Sustainable Schools Committee continues to lead the work of educating and inspiring employees, providing in-service and working together with the Destination Conservation’s school based teams. The Outdoor Learning Centre (OLC), completed in 2012, is also a large contributing factor to the education of students, in both its operation and programs offered. The OLC consists of several cabins and a main lodge, run largely on solar power and maintains other environmentally friendly operating practices. Each year, the OLC offers numerous educational programs to District students, instructing them in practices such as composting, and use of renewable energy sources in a hands-on way.

Evidence of our efforts can be found in the continued maintenance of lower greenhouse gas emissions from that of previous years. Our **Total GHG Emissions for 2014 was 1025, with 859 in offsets** to make us Carbon Neutral.

We believe in the benefits of our continued efforts and look forward to seeing a further reduction in offsets over the next few years. Financially, we aim to put some of the savings directly back into our schools, funding materials that continue to educate and provide awareness of how to reduce our carbon footprint. Environmentally, we aim to make our small actions have a big impact, both in the present and in the future, as our students take what they’ve learned into their adult lives, into our community and far beyond. Socially, we aim to provide awareness and collaboration that our students would take what they’ve learned and share it with others. We are proud of our District, and continue to be amazed at the significant efforts from both staff and students in making positive changes that will better our world for years to come.

Emissions and Offsets Summary Table:

School District 47 (Powell River) GHG Emissions and Offsets for 2014

GHG Emissions created in Calendar Year 2014

Total Emissions (TCO2E) 1,024

Total Offsets (TCO2E) 856

Adjustments to GHG Emissions Reported in Prior Years

Total Emissions (TCO2E) 1

Total Offsets (TCO2E) 3

Total Emissions for Offset for the 2014 Reporting Year

Total Offsets 859

Sincerely,



Steve Hopkins
Secretary Treasurer



Jay Yule
Superintendent

May 27, 2015

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

Organization Name

School District 47 (Powell River)

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:

(No response)

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

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

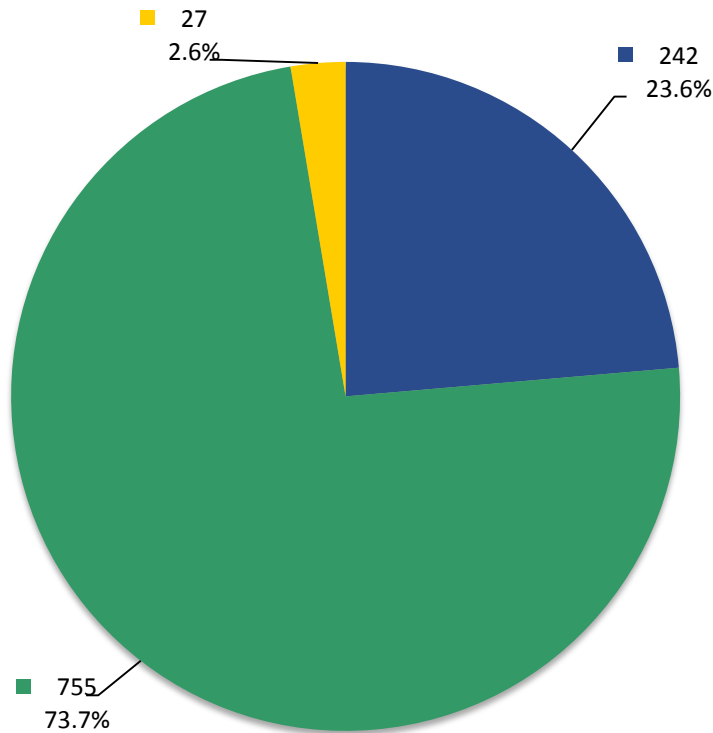
Explain how you plan to continue minimizing emissions in 2015 and future years:

We continue to plan for relevant building upgrades including boiler and window replacements as well changed the default on most print machines to be double sided as well continue to promote the use of scanners rather than print.

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 47 - Powell River
Greenhouse Gas Emissions by Source
for the 2014 Calendar Year (tCO₂e*)**



Total Emissions: 1,024

- 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 2:40 PM)

Total offsets required: **856**. Total offset investment: **\$21,400**. Emissions which do not require offsets: **168** **

*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.