



School District No. 47 (Powell River)

Title: 2015 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, 2015 summarizes our emissions profile, the amount of offsets purchased to reach net zero emissions, the actions we have taken in 2015 to reduce our greenhouse gas emissions, and plans to continue reducing emissions in 2016 and beyond.

Overview:

In 2015, School District 47 again made progress towards the overall reduction of greenhouse gases. One of the largest contributions to our reduction of greenhouse gases was final completion of a seismic renovation at Henderson Elementary School. This renovation began in 2014 and included the replacement of all single paned windows throughout the building with new thermal double paned energy efficient windows, as well included a complete lighting upgrade.

In 2015, we also completed the installation of an efficient high density boiler at each of Henderson, James Thomson, and Edgehill Elementary Schools. Also installed at Edgehill Elementary were new thermal double paned energy efficient windows which replaced a number of original single paned wooden windows. These improvements will all contribute to reduced energy costs in the years to come.

Also started in 2015 and completed in early 2016, were lighting upgrades at both the Oceanview Education Centre and the School District Administration building. With the completion of these two upgrades, all but one District owned facility has seen lighting improvements over the last three to five years. Planned for the summer of 2016 is an envelope upgrade which will include new doors and thermal windows at Kelly Creek Community School as well as the installation of a high efficiency boiler at Texada Elementary School. This boiler upgrade will complete by years end all planned heating system upgrades district wide.

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 School Initiatives. 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. The Outdoor Learning Centre (OLC), completed in 2012, continues to be a 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. Our **Total GHG Emissions for 2015 was 1,223**, with **1,033 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 2015

GHG Emissions created in Calendar Year 2015

Total Emissions (TCO2E) 1,223

Total Offsets (TCO2E) 1,033

Adjustments to GHG Emissions Reported in Prior Years

Total Emissions (TCO2E) 0

Total Offsets (TCO2E) 0

Grand Total Offsets for the 2015 Reporting Year

Grand Total Offsets 1,033

Sincerely,



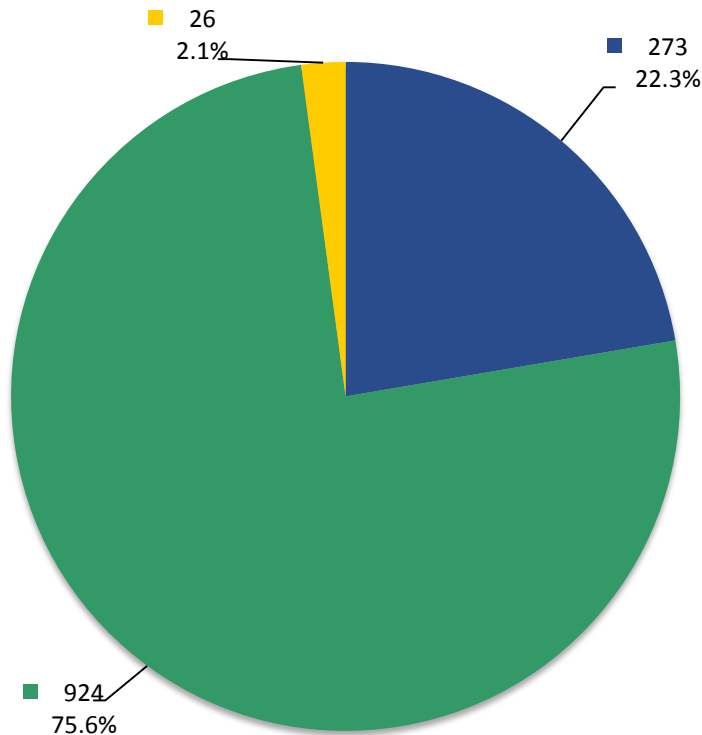
Steve Hopkins
Secretary Treasurer



Jay Yule
Superintendent

May 31, 2015

**School District 47 - Powell River
Greenhouse Gas Emissions by Source
for the 2015 Calendar Year (tCO₂e*)**



Total Emissions: 1,223

- 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 2015 (Generated May 25, 2016 10:05 AM)

Total offsets required: **1,033**. Total offset investment: **\$25,825**. Emissions which do not require offsets: **190** **

*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.

2015 Carbon Neutral Action Report Survey

Organization Name:

School District 47 (Powell River)

Please select your sector:

- School District

1) Stationary Sources (Buildings, Power Generators, Ext. Lighting) Fuel Combustion, Electricity use, Fugitive Emissions:

Please indicate which actions your PSO took in 2015:

Have developed an overall strategy/plan to reduce energy use in your organization's buildings inventory:

Yes

If Yes, please describe:

Continuation with planned facility upgrades with a focus on energy conservation

Undertook evaluations of building energy use:

Yes

Performed energy retrofits on existing buildings:

Yes

Built or are building new LEED Gold or other "Green" buildings:

No

Please list any other actions, programs or initiatives that your organization has introduced that support emissions reductions from buildings:

(No response)

2) Mobile Sources (Fleet, Off-road/Portable Equipment) Fuel Combustion:

Indicate which actions your PSO took in 2015:

Have put in place an operations policy/program to support systematic reductions in fleet related emissions:

(e.g., program to convert fleet to renewable fuels)

No

If Yes, please describe:

(No response)

Replaced existing vehicles with more fuel efficient vehicles (gas/diesel):

Yes

Replaced existing vehicles with hybrid or electric vehicles:

No

Took steps to drive less than previous years:

Yes

Please list any other actions, programs or initiatives that your organization has introduced that support emissions reductions from fleet combustion:

(No response)

3) Supplies (Paper):

Indicate which actions your PSO took in 2015:

Have put in place an operations policy/program to facilitate a systematic reduction in paper-related emissions:

(e.g., policy to purchase 100% Recycled Content; default to double-sided printing)

Yes

If yes, please describe:

Practice regarding use of recycled paper as well as ongoing work towards electronic storage of data previously printed and stored

Have put in place an operations policy/program to facilitate behavioural changes from paper use:

(e.g. awareness campaign to reduce paper use):

Yes

If yes, please describe:

Defaults on all copiers set to double sided as well ongoing move to electronic storage of data

Used only 100% recycled paper:

No

Used some recycled paper:

Yes

Used alternate source paper:

(e.g., bamboo, hemp, wheat etc.)

No

Please list any other actions, programs or initiatives that your organization has introduced that support emissions reductions from paper supplies:

(No response)

4) Other Sustainability Actions:

Please note that this section is optional

Business Travel

Created a low-carbon travel policy or travel reduction goal:

(low-carbon = lowest emission of greenhouse gas per kilometer per passenger)

Yes

Encouraged alternative travel for business:

(e.g. bicycles, public transit, walking)

No

Encouraged or allow telework/working from home:

Yes

Other:

(No response)

Education Awareness

Have a Green/Sustainability/Climate Action Team:

Yes

Supported green professional development:

(e.g. workshops, conferences, training)

Yes

Supported or provided education to staff about the science of climate change, conservation of water, energy and/or raw materials:

Yes

Other:

(No response)

Adaptation Planning for Climate Risks

Have assessed whether increased frequency of extreme weather events and/or long term changes in climate will affect your organization's infrastructure, its employees and/or its clients:

No

Have incorporated these anticipated changes in climate into your organization's planning and decision making:

No

Other:

(No response)

Other Sustainability Actions

Established a water conservation strategy which includes a plan or policy for replacing water fixtures with efficient models:

Yes

Have put in place an operations policy/program to facilitate the reduction and diversion of building occupant waste stream from landfills or incineration facilities:

(e.g., composting, collection of plastics, batteries)

No

Established green standards for goods that are replaced infrequently and/or may require capital funds to purchase:

(e.g., office furniture, carpeting, etc.)

Yes

Incorporated lifecycle costing into new construction or renovations:

Yes

Please list any other sustainability actions your organization has taken not listed above:

(No response)