



# School District No.59 (Peace River South)

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## **2014 Carbon Neutral Action Report**

### **School District No.59 (Peace River South)**

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 30<sup>th</sup> School District No.59's final Carbon Neutral Action Report will be posted to our website at [www.sd59.bc.ca](http://www.sd59.bc.ca)

### **Overview**

School District No.59 is committed to adopting innovative practices and facility upgrades that reduce our emissions and ecological footprint. We have implemented a Strategic Energy Management Plan to target emission reductions.

We believe that teaching and modeling sustainable practices is a critical component in educating future generations. In addition to many facility upgrades, our district has a strong focus on education and culture change to reduce our collective impact. Through many school and class-based initiatives we are fostering an awareness of the need to protect our natural environment and sustainably use our natural resources.

### **2014 Sustainability Initiatives**

School District 59 is committed to protecting the natural environment by reducing waste, and reducing energy consumption. Working with our Strategic Energy Management Plan (SEMP) we have set aggressive targets for energy conservation. We have completed energy upgrades for eight schools. These upgrades include lighting, heating and controls for the entire building.

We have completed roofing projects at Canalta Elementary and South Peace Campus which include insulation upgrades to reduce heating costs.




## School District No.59 (Peace River South)

Our schools are role models for our communities. We make an effort to display positive environmental actions within our communities. To encourage waste reduction and diversion, three schools host recycling depots. These depots have several bins that allow for residents and schools to properly dispose of recyclables in a convenient location.

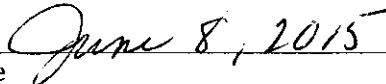
Education is key to encourage the adoption of sustainable living practices and to generate buy-in for district conservation initiatives. School District No.59 knows the importance of connecting young people with the natural world. Our students regularly participate in conservation efforts.

### Emissions and Offsets Summary Table:

<b>School District No.59 GHG Emissions and Offsets for 2014 (TCO2E)</b>	
<b>GHG Emissions created in Calendar Year 2014</b>	
Total Emissions (TCO2E)	3646
Total Offsets (TCO2E)	2707
<b>Adjustments to GHG Emissions Reported in Prior Years</b>	
Total Emissions (TCO2E)	-6
Total Offsets (TCO2E)	0
<b>Total Emissions for Offset for the 2014 Reporting Year4</b>	
Total Offsets (TCO2E)	2707

  
Signature

Leslie Lambie  
Name (please print)

  
Date

Superintendent  
Title

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

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## Organization Name

School District No.59 (Peace River South)

## 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.

Yes

Please list any other actions taken to reduce emissions from Buildings:

Lighting and lighting control upgrade to Chetwynd Sen. Sec. and Windrem Elementary.

Building envelope upgrade at Dawson Creek Senior Sec.: Heavy Duty and Light Duty Mechanic Shop and Cosmetology and Esthetics buildings. Upgraded to high efficiency hot water tanks at Chetwynd High School.

**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

No

Took steps to drive less than last year

Yes

Please list any other actions taken to reduce emission from fleet:

Replacement maintenance vehicles have smaller more fuel efficient engines.

Four ten hour shifts for out of town work, eliminating one day of travel.

Using conference calling and desk top sharing to reduce travel for staff.

Continue to encourage car pooling when ever possible

**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:

For locations with multiple printers, we have removed the extra printers and use the existing photo copier's printing capabilities.

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## Actions Taken to Reduce Emissions - continued

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

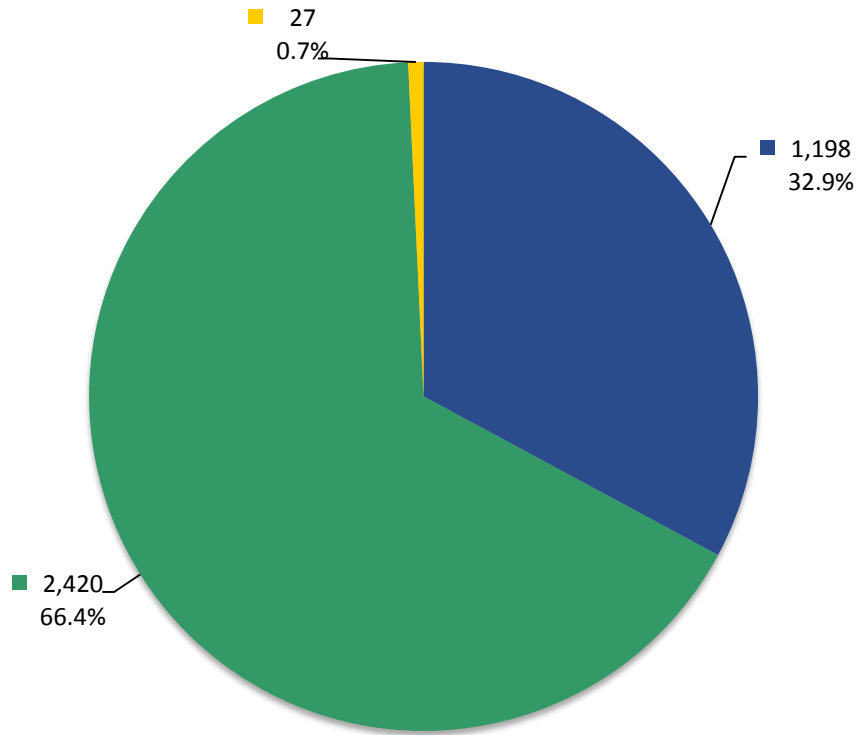
Working with our Strategic Energy Management Plan (SEMP). The SEMP plan includes energy upgrades for all School District No. 59 buildings and sets aggressive targets for energy conservation.

Using our involvement with Destination Conservation and our own staff to educate students on energy reduction strategies. Upgrading to high efficiency HVAC equipment when funding is available.

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 59 - Peace River South (Dawson Creek)  
Greenhouse Gas Emissions by Source  
for the 2014 Calendar Year (tCO<sub>2</sub>e\*)**



**Total Emissions: 3,646**

- 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 3:03 PM)**

Total offsets required: **2,707**. Total offset investment: **\$67,675**. Emissions which do not require offsets: **938** \*\*

\*Tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e) 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.