



## 2014 Carbon Neutral Action Report

### School District #53 Okanagan Similkameen

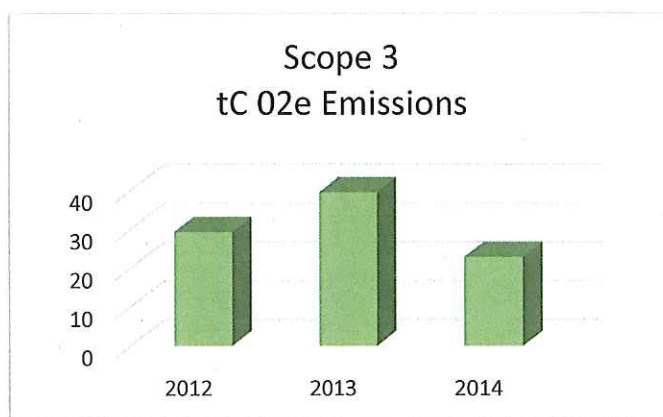
**Declaration statement:** This *Carbon Neutral Action Report* for the period January 1<sup>st</sup> to December 31<sup>st</sup>, 2014 summarizes our emissions profile, the amount of offsets purchased to reach net zero emissions, the actions we have taken in 2014 to reduce our greenhouse gas emissions and our plans to continue reducing emissions in 2015 and beyond.

By June 30 School District #53 final *Carbon Neutral Action Report* will be posted to our website at [www.sd53.bc.ca](http://www.sd53.bc.ca)

#### Overview:

This has been a year of review for our District. It is the first full year of operation for our new LEED Gold School South Okanagan Secondary. This school has included wind power, geo-thermal and solar energy to reduce its' carbon footprint and that of our District. While the school has achieved many awards, there are still systems in place that require fine tuning. As our baseline year, we look forward to improving our system schedules to enhance this already efficient environment.

Our School District knows that in order to become carbon neutral, it is vital that we monitor our systems and how they are assisting us in achieving our goals. In review of the installation of new copiers last year, we are able to better control how and what copying and printing is done. The chart below shows how well we have done in emission reduction in just one year.



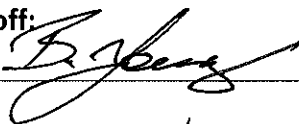
Our attention is also drawn to our other sites which have systems that are at the end of their useful life. This provides us with opportunities to not only replace but enhance the systems in an effort to reduce emissions. Although financially limited, we are still making progress in our environmental impact.

**Emissions and Offsets Summary Table:**

<b>School District #53 GHG Emissions and Offsets for 2014 (TCO2E)</b>	
<b>GHG Emissions created in Calendar Year 2014</b>	
Total Emissions (TCO2E)	908
Total Offsets (TCO2E)	694
<b>Adjustments to GHG Emissions Reported in Prior Years (from SMARTTool Homepage):</b>	
Total Emissions (TCO2E)	73
Total Offsets (TCO2E)	74
<b>Total Emissions for Offset for the 2014 Reporting Year (from SMARTTool Homepage)</b>	
Total Offsets (TCO2E)	768

**Executive sign-off:**

Signature



Date

MAY 20, 2015

Name (please print)

BEVERLY YOUNG

Title

SUPERINTENDENT



# 2014 Carbon Neutral Action Report (CNAR)

## - Part 2 ACTIONS

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### Organization Name

School District #53

### 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:

The replacement of district copiers with new, energy efficient models has helped in reducing the overall electrical consumption for the year.

#### **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:

As in past years we do have a no idling program in place to minimize the impact from our bus fleet. We will continue to replace our older less efficient buses as they meet the requirements as set out by the Ministry.

### **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:

With the introduction of a new lease agreement throughout the district, in 2014 90% of all paper utilized was 100% recycled and the ability to scan has diminished the overall amount of paper being utilized by 12%.

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## Actions Taken to Reduce Emissions - continued

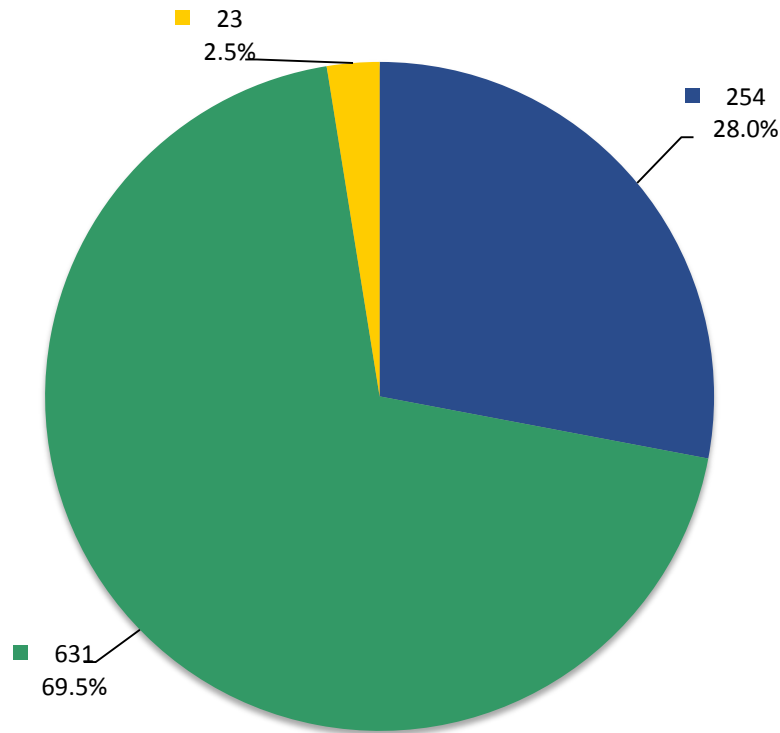
Explain how you plan to continue minimizing emissions in 2015 and future years:

Looking forward to improving access to schedules to create opportunities to increase efficiencies within our schools.

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 53 - Okanagan Similkameen  
Greenhouse Gas Emissions by Source  
for the 2014 Calendar Year (tCO<sub>2</sub>e\*)**



**Total Emissions: 908**

- 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 25, 2015 10:56 AM)**

Total offsets required: **694**. Total offset investment: **\$17,350**. Emissions which do not require offsets: **214** \*\*

\*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.