## 2015 Carbon Neutral Action Report

## School District No. 74 (Gold Trail)
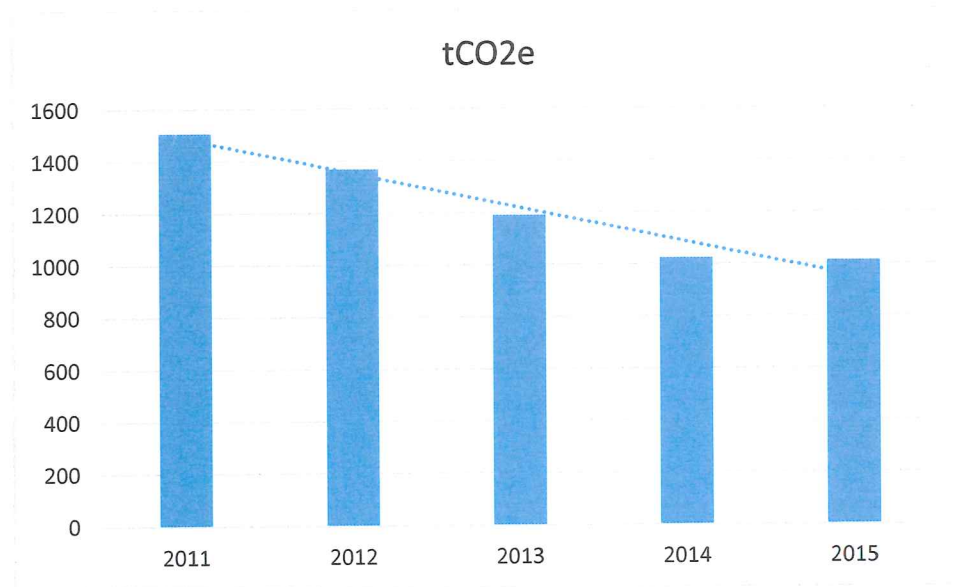
### Declaration Statement:

The Carbon Neutral Action Report for the period of January 1$^{st}$ to December 31$^{st}$, 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 our plans to continue reducing emissions in 2016 and beyond.
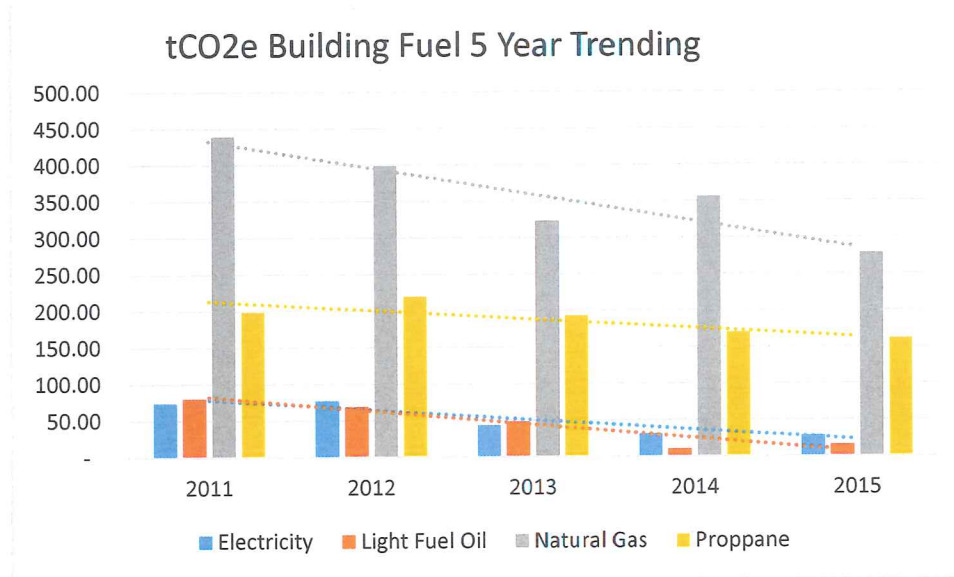
By June 30$^{th}$ 2016, School District #74's final Carbon Neutral Action Report will be posted to our website at www.sd74.bc.ca.

### Overview:

School District No. 74 (Gold Trail) is consistently reaching for emission reductions through efficiencies within the organization. The district shows an overall reduction of 32% of tCO2 emissions for the period 2011 to 2015. While it does not show an overall increased savings, it is encouraging to see the improvement is in building operations.



tCO2e

In all fuel types consumed, the district shows a consistent reduction in consumption. Some of the reduction has been through consolidation of schools to increase efficient use of the facility, while other reductions are due to upgrades in technology.



tCO2e Building Fuel 5 Year Trending

Looking forward and based on the past five (5) years, it is anticipated the school district will encounter continued success in emission reductions.
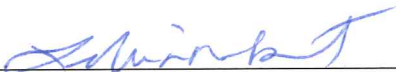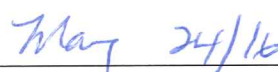
**Emissions and Offsets Summary Table:**

| School District #74 GHG Emissions and Offsets for 2014 (TCO2E) | |
| --- | --- |
| **GHG Emissions created in Calendar Year 2014** | |
| Total Emissions (TCO2E) | 1013 |
| Total Offsets (TCO2E) | 608 |
| **Adjustments to GHG Emissions Reported in Prior Years** | |
| Total Emissions (TCO2E) | 40 |
| Total Offsets (TCO2E) | 40 |
| **Total Emissions for Offset for the 2014 Reporting Year** | |
| Total Offsets (TCO2E) | 648 |

**Retirement of Offsets:**

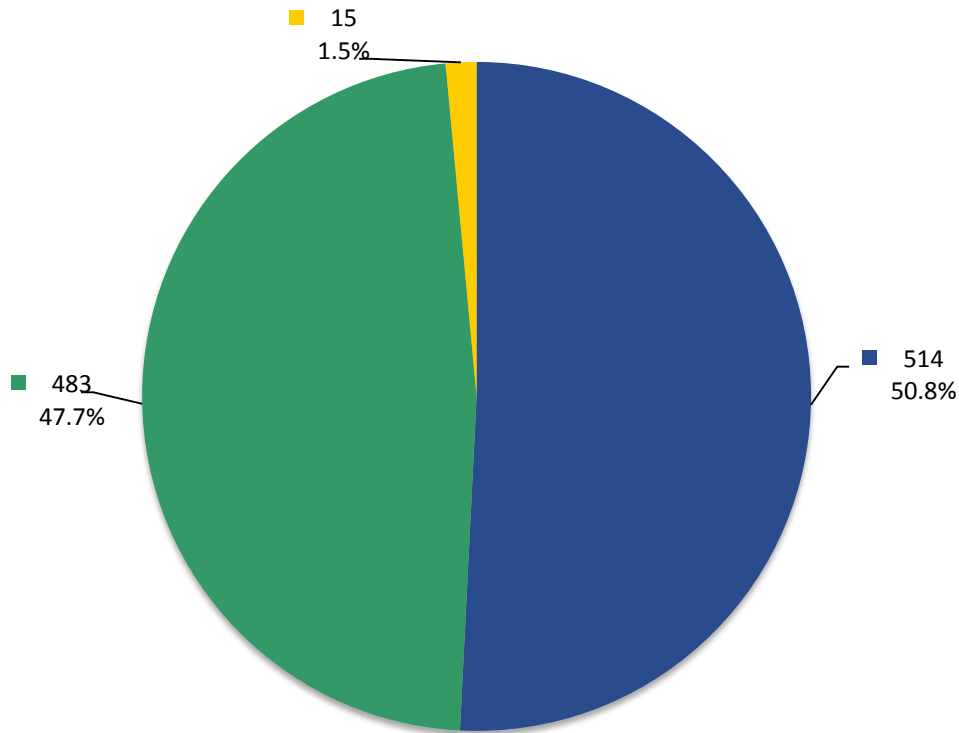In accordance with the requirements of the *Greenhouse Gas Reduction Targets Act* and *Carbon Neutral Government Regulation*, School District #74 (Gold Trail) is responsible for arranging for the retirement of the offsets obligation reported above for the 2015 calendar year, together with any adjustments reported for past calendar years. School District No. 74 (Gold Trail) hereby agrees that, in exchange for the Ministry of Environment ensuring these offsets are retired on the school district's behalf, the school district will pay the associated invoice to be issued by the Ministry in an amount equal to $25 per tonne of offsets retired on its behalf plus GST.

**Executive sign-off:**

_____          May 24/16
Signature                                                Date

L. Minnabarrict                                 Secretary Treasurer
_____          _____
Name (please print)                                Title

# School District 74 - Gold Trail
## Greenhouse Gas Emissions by Source
## for the 2015 Calendar Year (tCO$_2$e*)

15
1.5%

514
50.8%

483
47.7%

**Total Emissions: 1,013**

■ 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 10:22 AM)**
Total offsets required: **608**. Total offset investment: $**15,200**. Emissions which do not require offsets: **404** **

*Tonnes of carbon dioxide equivalent (tCO$_2$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.

# 2015 Carbon Neutral Action Report Survey

Organization Name:

*SD#74 Gold Trail*

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:

*We have been working towards efficiencies and have put the following in place:*
*T12 to T8 lighting*
*Upgrade DDC for better controls on energy systems*
*Working on mechanical upgrades as funding allows*
*Replacing exterior lighting with LED*

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)

*Yes*

If Yes, please describe:

*No idling policy for fleet vehicles/buses*

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

*Yes*

Replaced existing vehicles with hybrid or electric vehicles:

*Yes*

Took steps to drive less than previous years:

*No*

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:

*Environmental Practices Procedures in place*
*Default all printers to double sided printing*

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:

*Where practicable recycled paper introduced into system*

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:

*Encouraging less printing of all correspondence sent by Outlook email*
*Paperless software for Board agenda and meeting*
*Dispatch system paperless*
*Moving to online absence system*

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)

*No*

Encouraged alternative travel for business:

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

*No*

Encouraged or allow telework/working from home:

*No*

Other:

*(No response)*

Education Awareness

Have a Green/Sustainability/Climate Action Team:

*No*

Supported green professional development:

(e.g. workshops, conferences, training)

*No*

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

*No*

Other:

*Encouraged teleconferences to reduce travel where possible.*
*Environmental Practices procedures in place*

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:

*No*

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)

*Yes*

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

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

*No*

Incorporated lifecycle costing into new construction or renovations:

*No*

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

*(No response)*