

**School District No 75 (Mission)**  
**2014 Carbon Neutral Action Report**

May 19, 2015

This is the 2014 Carbon Neutral Action Report (CNAR) for School District No 75 (Mission). This report contains our 2014 emissions profile, offsets purchased, the actions we have taken in 2014 to reduce our GHG emissions, and our plans to continue reducing emissions in 2015 and beyond.

By June 30, 2015, School District No 75's final CNAR will be posted to our website at [www.mpsd.ca](http://www.mpsd.ca).

School District No 75 promotes GHG emission reductions and environmental sustainability through both specific initiatives and guiding policies and procedures. The district's *Environmental Sustainability* policy promotes learning and leadership opportunities related to sustainability, energy and resource conservation, support for continuous monitoring of key environmental metrics, and support for environmental stewardship for both students and staff. The district also has an administrative procedure which previously established baseline energy consumption metrics, and stipulates the establishment of quarterly energy metrics, an annual review of targets, a target of 5% annual reduction of energy consumption, and remaining compliant with District of Mission GHG emission reduction targets (20% reduction between 2008 and 2020). While these policies, procedures, and goals remain in place, the loss of senior district positions in this area, including a dedicated Energy Manager, along with other funding constraints, has had a significant impact on the ability of the district to continue with the monitoring, reporting, and implementation of initiatives necessary to meet district goals.

Despite fiscal pressures, there were several initiatives taken in 2014 to reduce GHG emissions, including:

- High efficiency boilers installed at Hillside Traditional Academy and Fraserview Learning Centre
- Envelope repair at Silverdale Elementary, including an upgrade to more energy efficient windows
- Wattage reduction continues across all district facilities, helping to reduce annual kilowatt hours of electrical energy


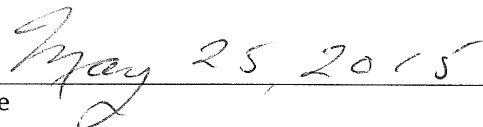
Going forward into 2015 and beyond, there are plans for further reduction of GHG emissions, including:

- Upgrade to more efficient boiler plant at Mission Secondary School
- Increase in the duration of spring break from one week to two weeks, which will reduce energy consumption in district facilities over that additional time frame (originally planned for Spring 2015 but deferred to Spring 2016)
- More efficient lighting at Cherry Hill Elementary and Hatzic Middle School (T8 to T5 bulbs)
- Significant DDC controls upgrade at Fraserview Learning Centre
- LED wall-pack lighting at several elementary schools

All proposed initiatives are contingent on adequate operational and capital funding.

**Emissions and Offsets Summary:**

<b>School District No 75 (Mission) GHG Emissions and Offsets for 2014 (TCO2E)</b>	
<b>GHG Emissions created in calendar year 2014 (from SMARTTool Homepage)</b>	
Total Emissions	2,034
Total Emissions for Offsets	1,725
<b>Adjustments to GHG Emissions Reported in Previous Years (from SMARTTool Homepage)</b>	
Total Emissions	-3
Total Emissions for Offsets	0
<b>Credit owing from PCT at end of 2013 reporting year (if applicable – from May 15 Invoice):</b>	
Credit Owing	0
Total Emissions for Offsets for the 2014 Reporting Year (from Offset Invoice):	1,725

	
Signature	Date
<b>BILL FLETCHER</b>	<b>SUPERINTENDENT</b>
Name (please print)	Title

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

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## Organization Name

School District No 75 (Mission)

## 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:

(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)

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:

(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:

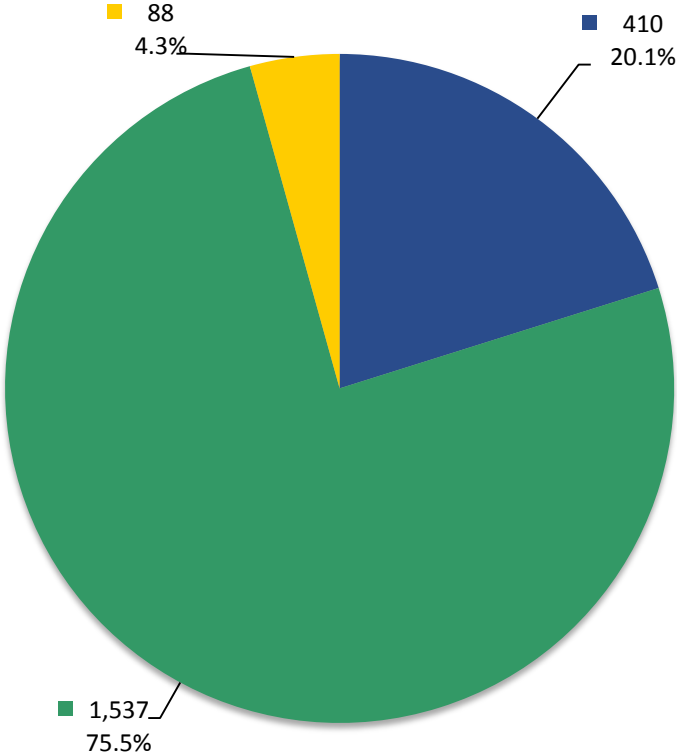
The following activities are planned in 2015 and beyond to continue reducing emissions:

- Upgrade to a more efficient boiler plant at Mission Secondary School
- Increase the duration of spring break from one week to two weeks, which will reduce energy consumption in district facilities over that additional time frame ☑
- More efficient lighting at Cherry Hill Elementary and Hatzic Middle School (T8 to T5 bulbs)
- Significant DDC controls upgrade at Fraserview Learning Centre
- LED wall-pack lighting at several elementary 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 75 - Mission  
Greenhouse Gas Emissions by Source  
for the 2014 Calendar Year (tCO<sub>2</sub>e\*)**



**Total Emissions: 2,034**

- 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 3:30 PM)**

Total offsets required: **1,725**. Total offset investment: **\$43,125**. Emissions which do not require offsets: **310** \*\*

\*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.