

## 2016 Carbon Neutral Action Report School District No 75 (Mission)

May 19, 2017

This 2016 Carbon Neutral Action Report for the period January 1<sup>st</sup>, 2016 to December 31<sup>st</sup>, 2016 summarizes our emissions profile, the total offsets to reach net-zero emissions, the actions we have taken in 2016 to reduce our greenhouse gas emissions and our plans to continue reducing emissions in 2017 and beyond.

By June 30, 2017, School District No 75's final Carbon Neutral Action Report 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 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 2016 to reduce GHG emissions, including:

- New high efficiency boiler plants at Hatzic Middle School and Silverdale Elementary
- High efficiency chiller upgrade at Hatzic Middle School
- Mechanical cooling system upgrade at Heritage Park Middle School
- Wattage reduction continues across all district facilities, helping to reduce annual kilowatt hours of electrical energy

Going forward into 2017 and beyond, there are plans for further reduction of GHG emissions, including:

- LED lighting system upgrades at West Heights Elementary, Albert McMahon Elementary, and Hatzic Middle School
- Replacement of old and inefficient boilers at Windebank Elementary, Mission Central Elementary, ESR Elementary, and Heritage Park Middle School

All proposed initiatives are contingent upon adequate capital funding.

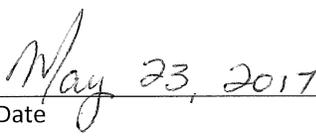
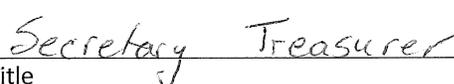
**Emissions and Offsets Summary:**

<b>School District No 75 GHG Emissions and Offsets for 2016 (TCO2E)</b>	
<b>GHG Emissions Created in Calendar Year 2016:</b>	
Total Emissions	1,832
Total Emissions for Offsets	1,475
<b>Adjustments to GHG Emissions Reported in Previous Years:</b>	
Total Emissions	3
Total Emissions for Offsets	3
<b>Grand Total Offsets for the 2016 Reporting Year:</b>	
Total Emissions for Offsets for the 2016 Reporting Year (from Offset Invoice):	1,478

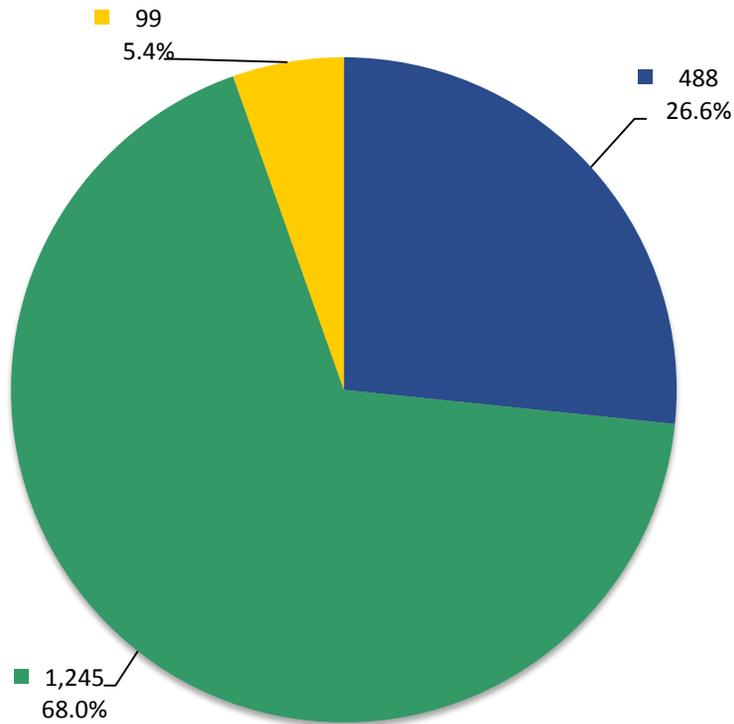
**Retirement of Offsets:**

In accordance with the requirements of the Greenhouse Gas Reduction Targets Act and Carbon Neutral Government Regulation, School District No 75 (**the Organization**) is responsible for arranging for the retirement of the offsets obligation reported above for the 2016 calendar year, together with any adjustments reported for past calendar years. The Organization hereby agrees that, in exchange for the Ministry of Environment ensuring that these offsets are retired on the Organization's behalf, the Organization 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:**

 <hr/> Signature	 <hr/> Date
 <hr/> Name (please print)	 <hr/> Title

**School District 75 - Mission  
Greenhouse Gas Emissions by Source  
for the 2016 Calendar Year (tCO<sub>2</sub>e\*)**



**Total Emissions: 1,832**

- 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 2016 (Generated May 15, 2017 3:45 PM)**

Total offsets required: **1,475**. Total offset investment: **\$36,875**. Emissions which do not require offsets: **357** \*\*

\*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.

# 2016 Carbon Neutral Action Report Survey

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Page 2

Part One (external)

Contact Name(s):

*Derek Welsh*

Organization Name:

*School District No 75 (Mission)*

Please select your sector:

- School District

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

During 2016, did your organization take any of the following actions to support emissions reductions from buildings?

Select all that apply

- Conducted an energy audit/study of building(s) in the organization's portfolio
- Performed energy retrofits of the organization's buildings.: Hatzic Middle, Heritage Park Middle, Silverdale Elementary

Briefly describe your organization's plans to continue reducing emissions from its stationary sources in future years.

*Replacement of older heating and electrical systems and components with more efficient systems, as funding permits.*

During 2016, did your organization participate in utility-sponsored energy demand management program(s) (e.g. BC Hydro's Energy Management (Manager))?

*No*

If yes, please describe briefly:

*(No response)*

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

During 2016, did your organization take any of the following actions to support emission reductions from its mobile sources?

## Select all that apply

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- Replaced existing vehicles with more fuel efficient vehicles (gas/diesel).: 3
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Briefly describe your organization's plans to continue reducing emissions from its mobile sources in future years.

*Replacement of older facilities department vehicles with more fuel efficient models, as funding permits.*

3) Supplies (Paper):

During 2016, did your organization take any of the following actions to support emissions reductions from paper supplies?

Select all that apply

- 
- Other actions? Please describe briefly.: Use of recycled paper where possible
- 

Briefly describe your organization's plans to continue reducing emissions associated with its office paper use in future years.

*Increasing use of electronic programs and records where feasible to reduce paper usage*

4) Other Sustainability Actions:

Business Travel:

During 2016, did your organization take any of the following actions to support emissions reductions from business travel?

Select all that apply

*(No response)*

Education Awareness:

During 2016, did your organization have any of the following programs or initiatives to support sustainability education and awareness?

Select all that apply

- 
- Support for professional development on sustainability (e.g. workshops, conferences, training)
- 

Other Sustainability Actions:

During 2016, did your organization have any of the following programs or initiatives to support sustainability?

Select all that apply

- 
- A water conservation strategy which may include a plan or policy for replacing water fixtures with efficient models
  - An operations policy or program to facilitate the reduction and diversion of building occupant waste (e.g., composting, collection of plastics, batteries) from landfills or incineration facilities
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