

2015 Carbon Neutral Action Report School District No 75 (Mission)

May 19, 2016

This 2015 Carbon Neutral Action Report for the period January 1st, 2015 to December 31st, 2015 summarizes our emissions profile, the total offsets 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, 2016, School District No 75's final Carbon Neutral Action Report will be posted to our website at 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 2015 to reduce GHG emissions, including:

- High efficiency boiler plant installed at Mission Secondary School.
- Air handling unit and controls upgrades at Fraserview Learning Centre.
- Wattage reduction continues across all district facilities, helping to reduce annual kilowatt hours of electrical energy.

Going forward into 2016 and beyond, there are plans for further reduction of GHG emissions, including:

- New high efficiency boiler plants at Hatzic Middle School, Heritage Park Middle School, and Silverdale Elementary
- HVAC system upgrades at Hatzic Middle School and Heritage Park Middle School

All proposed initiatives are contingent upon adequate capital funding.

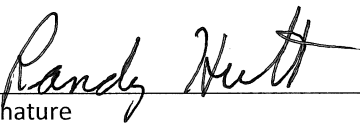
Emissions and Offsets Summary:

<i>School District No 75 GHG Emissions and Offsets for 2015 (TCO2E)</i>	
GHG Emissions Created in Calendar Year 2015:	
Total Emissions	1,837
Total Emissions for Offsets	1,523
Adjustments to GHG Emissions Reported in Previous Years:	
Total Emissions	0
Total Emissions for Offsets	0
Grand Total Offsets for the 2015 Reporting Year:	
Total Emissions for Offsets for the 2015 Reporting Year (from Offset Invoice):	1,523

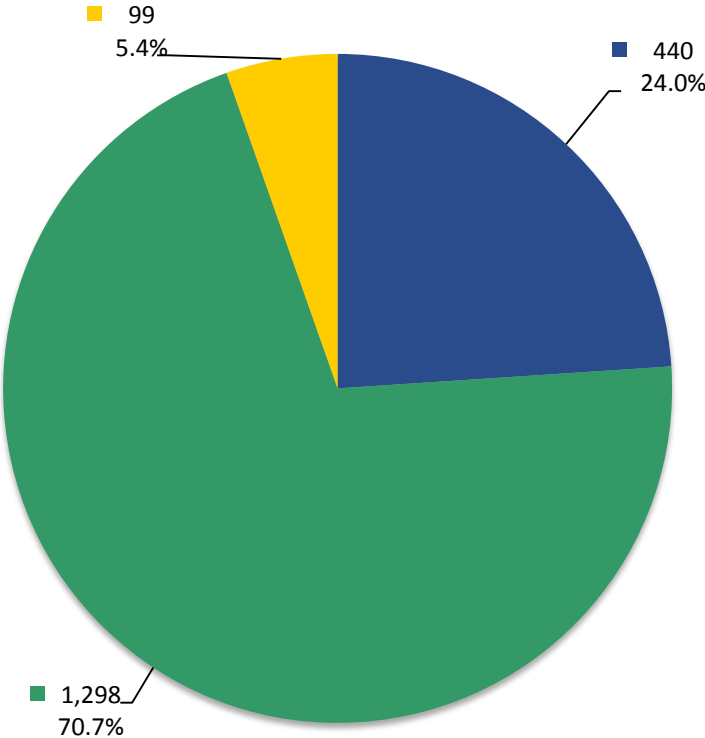
Retirement of Offsets:

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 2015 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:

	May 19, 2016
Signature	Date
Randy Huth	Assistant Superintendent
Name (please print)	Title

**School District 75 - Mission
Greenhouse Gas Emissions by Source
for the 2015 Calendar Year (tCO₂e*)**



Total Emissions: 1,837

- 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 10:33 AM)
Total offsets required: **1,523**. Total offset investment: **\$38,075**. Emissions which do not require offsets: **314** **

*Tonnes of carbon dioxide equivalent (tCO₂e) 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:

School District No 75 (Mission)

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:

No

If Yes, please describe:

(No response)

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:

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

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)

No

If Yes, please describe:

(No response)

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

No

Replaced existing vehicles with hybrid or electric vehicles:

No

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)

No

If yes, please describe:

(No response)

Have put in place an operations policy/program to facilitate behavioural changes from paper use:

(e.g. awareness campaign to reduce paper use):

No

If yes, please describe:

(No response)

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:

(No response)

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:

(No response)

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:

Yes

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)