

2017 Carbon Neutral Action Report School District No 75 (Mission)

May 18, 2018

This 2017 Carbon Neutral Action Report for the period January 1, 2017 to December 31, 2017 summarizes our emissions profile, the total offsets to reach net-zero emissions, the actions we have taken in 2017 to reduce our greenhouse gas emissions and our plans to continue reducing emissions in 2018 and beyond.

By June 30, 2018, the final Carbon Neutral Action Report for School District No 75 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 2017 to reduce GHG emissions, including:

- Mechanical upgrade at Windebank Elementary School, including new boilers, variable speed pumps and associated piping, condensing coils, high efficiency instantaneous water heaters and a new DCC control system
- Wattage reduction continues across all district facilities, helping to reduce annual kilowatt hours of electrical energy

Going forward into 2018 and beyond, there are plans for further reduction of GHG emissions, including:

- Upgrade to high efficiency boiler and domestic hot water system at Dewdney Elementary School
- Upgrade of HVAC system at Mission Secondary School
- LED lighting system upgrades at Hatzic Middle School and West Heights Elementary School

All proposed initiatives are contingent upon adequate capital funding.

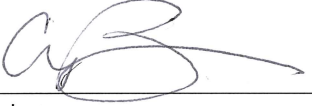
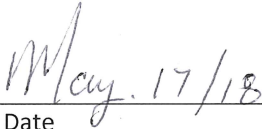
Emissions and Offsets Summary:

School District No 75 GHG Emissions and Offsets for 2017 (TCO2E)	
GHG Emissions Created in Calendar Year 2017:	
Total Emissions	2,051
Total Emissions for Offsets	1,689
Adjustments to GHG Emissions Reported in Previous Years:	
Total Emissions	0
Total Emissions for Offsets	0
Grand Total Offsets for the 2017 Reporting Year:	
Total Emissions for Offsets for the 2017 Reporting Year (from Offset Invoice):	1,689

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 2017 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:

 _____ Signature	 _____ Date
Corien Becker. _____ Name (please print)	Secretary-Treasurer _____ Title

Part 1: CNAR Survey

1. General Information

Name: Derek Welsh

Contact Email: derek.welsh@mpsd.ca

Organization Name: Mission Public Schools

Sector: School District

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

During 2017, did your organization take any of the following actions to support emissions reductions from buildings? (please select all that apply)

Performed energy retrofits of the organization's building(s)

If you selected "*Performed energy retrofits of the organization's building(s)*":

How many buildings were retrofitted?: 3

If you selected "*Built, or are building new LEED Gold or other "Green" buildings*":

How many new "Green" buildings?:

Did your Organization perform any retrofits during 2017? Please describe briefly:

Heritage Park Middle School - replaced old, inefficient main heating plant.

Edwin S. Richards Elementary School - replaced old, inefficient boiler and sanitary sewer lift station.

Mission Central Elementary - replaced old, inefficient boiler and domestic hot water.

2a. Stationary Sources (eg. Buildings, Power Generators): Fuel Combustion, Electricity use, Fugitive Emissions.

Please briefly describe your organization's plans to continue reducing emissions from its stationary sources:

a) Over the next 1-5 years

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

b) Over the following 6-10 years

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

3. Mobile Sources (Vehicles, Off-road/portable Equipment): Fuel Combustion:

During 2017, did your organization take any of the following actions to support emission reductions from its mobile sources? (please select all that apply)

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

If you selected "*Replaced existing vehicles with more fuel efficient vehicles (gas/diesel)*":

How many vehicles?: 3

If you selected "*Replaced existing vehicles with hybrid or electric vehicles*":

How many vehicles?:

3a. Mobile Sources (Vehicles, Off-road/portable Equipment): Fuel Combustion:

Please briefly describe your organization's plans to continue reducing emissions from its mobile sources:

a) Over the next 1-5 years

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

b) Over the following 6-10 years

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

4. Supplies (Paper): Indicate which actions your PSO took in 2017:

During 2017, did your organization take any of the following actions to support emissions reductions from paper supplies? (please select all the apply)

None of the above

If you selected "*Had a policy requiring the purchase of recycled content paper*":

State the required recycled content here (30%, 50%, 100%):

If you selected "*Had a policy requiring the purchase of alternate source paper (bamboo, hemp, wheat, etc)*", which type of alternate source paper did you use?

Please 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. Regular purchase of recycled content paper.

5. Other Sustainability Actions

a) Business Travel

During 2017, did your organization take any of the following actions to support emissions reductions from business travel? (please select all that apply)

None of the above

b) Education/Awareness

During 2017, did your organization have any of the following programs or initiatives to support sustainability education and awareness? (please select all that apply)

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

c) Other Sustainability Actions

During 2017, did your organization have any of the following programs or initiatives to support sustainability? (please 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