

# School District #73 (Kamloops-Thompson) - 2017 Carbon Neutral Action Report Overview

## Executive Summary

- School District #73 (Kamloops/Thompson) has been working to reduce greenhouse gas emissions and to reduce utility consumption in general. Average annual savings of over 5,500,000kwhr of electricity and 20,000GJ of natural gas have been achieved, with resulting utility cost savings of over \$900,000+ per year and greenhouse gas reductions of over 1,500,000kg of CO2 per year.
- This Carbon Neutral Action Report for the period January 1<sup>st</sup>, 2017 to December 31<sup>st</sup>, 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.

Alison Sidow  
Superintendent



## 2017 Greenhouse Gas Emissions

- Greenhouse Gas Emissions for the 2017 Calendar Year (tCO2e)
  - 6285

## Offsets Applied to Become Carbon Neutral in 2017

- Total offsets purchased: 5212(4670 for 2017 and 542 for 2016)
- Total offset investment: \$130,300 + GST
- Emissions which do not require offsets: 1615

## 2017 Greenhouse Gas Emissions Reductions Activities

- Replaced 2 vehicles and 5 school buses with newer models
- Completed a boiler upgrade at 1 elementary school
- Replaced gym lighting in 1 school with LED lighting

## Plans to Continue Reducing Greenhouse Gas Emissions 2017

- School District #73 (Kamloops/Thompson) will continue with its long term plan for energy reduction. We will continue with upgrades to the following systems to further reduce our energy consumption:
  - controls for mechanical systems, as well as upgrades to the mechanical systems including boilers
  - interior lights and exterior lights to LED

## Changes to Greenhouse Gas Emissions & Offsets Reporting from Previous Years

- School District #73 (Kamloops/Thompson) has paid for 542 tonnes of emissions that were not paid for in 2016.

# Part 1: CNAR Survey

## 1. General Information

Name: Art McDonald

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Organization Name: School District No. 73(Kamloops/Thompson)

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?: 1

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:

## 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

We will continue to do lighting and mechanical upgrades as funding allows.

b) Over the following 6-10 years

We will continue to do lighting and mechanical upgrades as funding allows.

## 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?: 7

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

We will continue to replace existing vehicles and buses with more fuel efficient vehicles as funding allows.

**b) Over the following 6-10 years**

We will continue to replace existing vehicles and buses with more fuel efficient vehicles as funding allows.

## 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.

## 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)

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

## 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)

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