

School District #73 (Kamloops-Thompson) - 2016 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.

Alison Sidow
Superintendent



2016 Greenhouse Gas Emissions

- Greenhouse Gas Emissions for the 2016 Calendar Year (tCO2e)
 - 5352

Offsets Applied to Become Carbon Neutral in 2016

- Total offsets purchased: 4121(3714 for 2016 and 407 for 2015)
- Total offset investment: \$103,025.00 + GST
- Emissions which do not require offsets: 1638

2016 Greenhouse Gas Emissions Reductions Activities

- Replaced 6 vehicles and 2 school buses with newer models
- Replaced the old boiler systems in 2 schools
- Replaced gym lighting in 4 schools with LED lighting

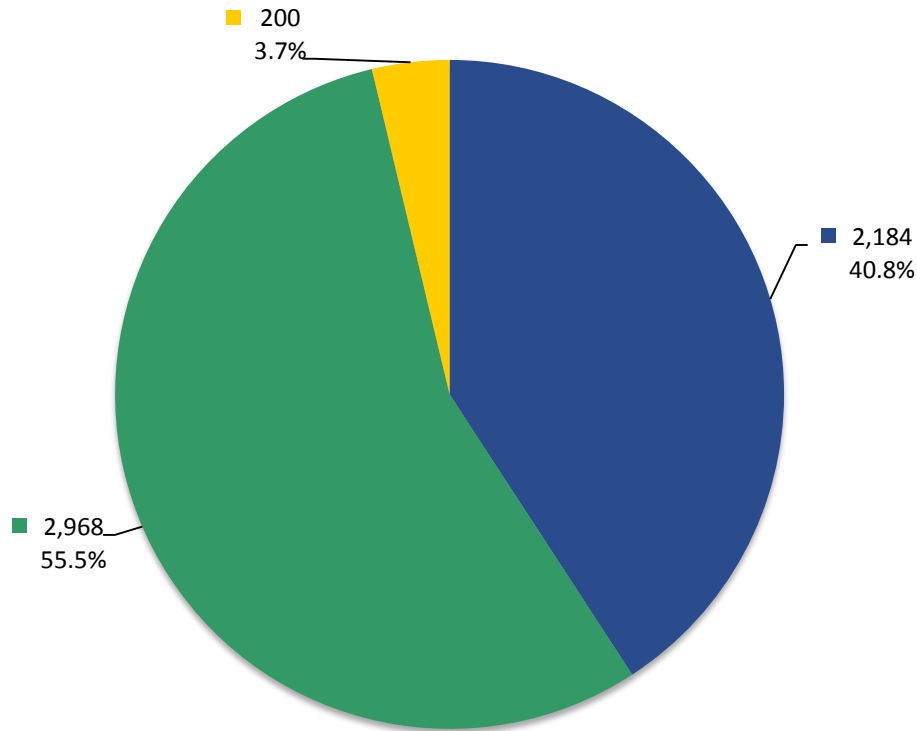
Plans to Continue Reducing Greenhouse Gas Emissions 2016

- 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 407 tonnes of emissions that were not paid for in 2015.

**School District 73 - Kamloops / Thompson
Greenhouse Gas Emissions by Source
for the 2016 Calendar Year (tCO₂e*)**



Total Emissions: 5,352

- 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 3:46 PM)

Total offsets required: **3,714**. Total offset investment: **\$92,850**. Emissions which do not require offsets: **1,638** **

*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.

2016 Carbon Neutral Action Report Survey

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Part One (external)

Contact Name(s):

Art McDonald, P. Eng.

Organization Name:

School District No. 73 (Kamloops/Thompson)

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

- Performed energy retrofits of the organization's buildings.: 2

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

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

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

- Replaced existing vehicles with more fuel efficient vehicles (gas/diesel).: 6
-

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

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

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.: Where possible, recycled content paper is purchased.
-

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

(No response)

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

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

Other Sustainability Actions:

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

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
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