

SCHOOL DISTRICT NO. 69 (Qualicum)
2017 Carbon Neutral Action Report

This is the 2017 Carbon Neutral Action Report for School District No. 69 (Qualicum). This report contains our 2017 emissions profile, offsets purchased, the actions we have taken in 2017 to reduce our GHG emissions and our plan to continue reducing emissions in 2018 and beyond.

By June 30 School District No. 69 (Qualicum)'s final CNAR will be posted to our website at www.sd69.bc.ca

Executive Summary:

The district concluded the creation of a Board wide Strategic Plan in 2013. This plan included the following items which are applicable to emission reduction:

- Under values: "Social responsibility and environmental sustainability" and "Innovation as a means of ensuring that we respond and adapt to a changing world and new understandings".
- As a Guiding Principle: "Stewardship of the public investment in education in our community is crucial – this requires an unwavering commitment to fiscal responsibility and allocation of resources based on identified needs and strategic priorities." We see this guiding principle as including environmental stewardship as part of fiscal responsibility.

In 2014 the district concluded with a Framework for Action which included specific items the district embarked upon to meet the goals of the strategic plan.

Energy conservation is part of our ongoing work. Efforts to conserve energy are included throughout our 5 year capital plan and our Annual Facility Grant projects. In 2017, the district completed the following projects which will directly reduce carbon emissions:

- The district plans to continue evaluating every bus replacement and consider whether to purchase propane over diesel buses. We also continue to review the size of buses required in order to conserve energy.
- Engineering studies for a boiler replacement was performed on one site, with the plan of replacing the unit in the summer of 2018.
- During summer 2017 the District constructed a Photovoltaic (PV) array placement on the roof of Kwalikum Secondary. This is another of several solar power initiatives that will help reduce our use of diesel and natural gas and take advantage of this alternate energy source.
- The district is continuing to make significant improvements to False Bay Elementary, one of our isolated sites, by finding ways to use less energy and alternate energy. We continue to work with local groups to investigate alternative energy solutions which may further reduce or eliminate the use of a diesel generator in the future.

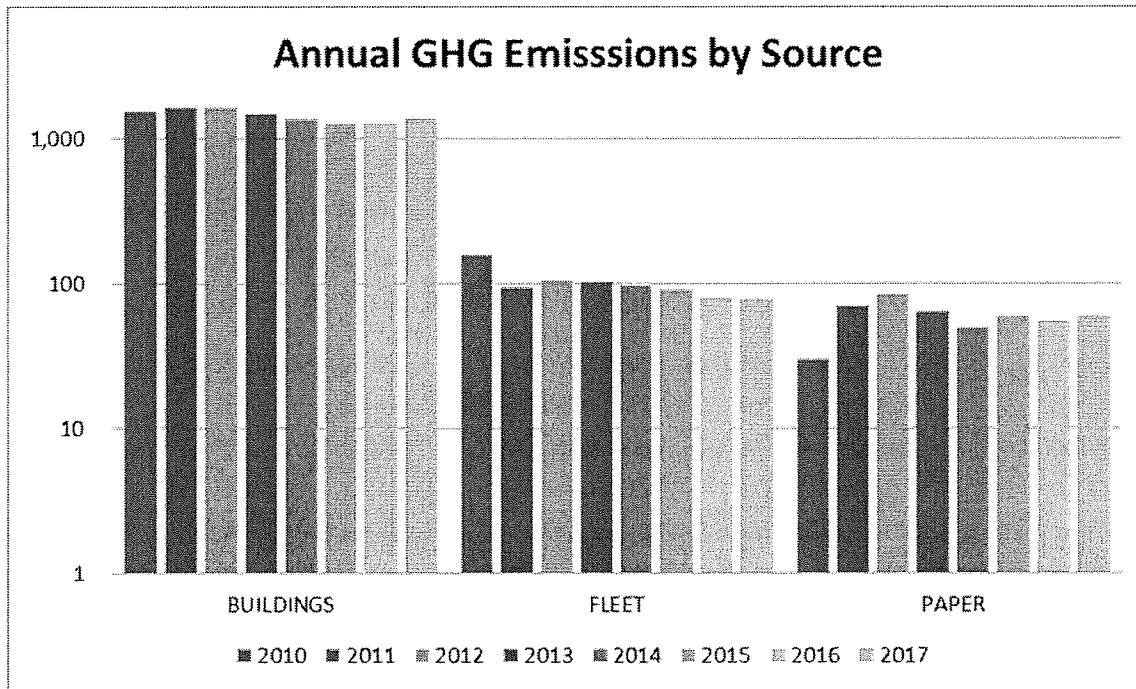
Energy conservation continues to be a goal for the district. Our Operations and Maintenance department has completed several projects that have implemented controls for heat and lights, retrofits for lighting and replacing plumbing fixtures with low flow units. These are all part of the day to day operations as well as project based when Ministry funding permits.

**SCHOOL DISTRICT NO. 69 (Qualicum)
2017 Carbon Neutral Action Report**

Emissions and Offsets Summary:

School District No. 69 (Qualicum) Emissions and Offsets (tCO ₂ e)				
GHG Emissions created in calendar year:	2017	2016	2015	2014
Total Emissions	2,000	1,850	1,876	1,953
Total Offsets for the Reporting Year	1,502	1,376	1,403	1,487
Prior Year Adjustments (tCO ₂ e)	-			
Net 2017 Offset Requirements (tCO ₂ e)	1,502			

In 2017, School District No.69 (Qualicum) paid \$34,950 to purchase offset credits. The District maintains a bus fleet for which offsets were not purchased. As required by section 5 of the Carbon Neutral Government Regulation, 574.92 tCO₂e of emissions resulting from the operation of school buses were reported as part of our greenhouse gas emissions for 2017. However, they were not offset as they are out of scope under section 4(2)(c) of the Carbon Neutral Government Regulation.



MAY 15, 2018

Signature

Date

ROLLIE KOOP

SUPERINTENDENT OF SCHOOLS

Name (please print)

Title

Attached: Charts of GHG Emissions by Source

Part 1: CNAR Survey

1. General Information

Name: Ron Amos

Contact Email: ramos@sd69.bc.ca

Organization Name: School District No. 69 (Qualicum)

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)

Conducted an energy audit/study of building(s) in the organization's portfolio.

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

How many buildings were retrofitted?:

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

Continue to review and replace boilers as needed and look at solar array placements

b) Over the following 6-10 years

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?: 4

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

Continue to look into opportunities to replace with propane over diesel

b) Over the following 6-10 years

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)

Had an awareness campaign focused on reducing office paper use

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.

manage copier/printer fleet to reduce use

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); 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)

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