



## School District 70 (Alberni)

**Title:** 2018 Carbon Neutral Action Report

**Organization name:** School District 70 (Alberni)

**Declaration statement:** This Carbon Neutral Action Report for the period January 1<sup>st</sup>, 2018 to December 31<sup>st</sup>, 2018 summarizes our emissions profile, the total offsets to reach net-zero emissions, the actions we have taken in 2018 to reduce our greenhouse gas emissions and our plans to continue reducing emissions in 2019 and beyond.

**Overview:** In 2018 School District 70 experienced its best performance since the inception of this program decreasing total GHG's by 16.5% in 2018 over 2017. Year over year School District 70 has made strides in reducing greenhouse gas emissions. From the CNCP's launch in 2011, School District 70 has reduced its Total Emissions by almost 50% (from 1832.95 tonnes in 2011 to 927 tonnes in 2018). While facilities closures and reductions in student transportation have driven some of this improvement, over the past 4 years School District 70 has upgraded HVAC systems and building envelopes in 3 facilities and moved 2 facilities from heating oil to propane driving even further reductions in emissions.

We continue to embrace energy conservation measures and constantly maintain environmental consciousness as buildings are renovated, retrofitted and decommissioned as well as continuing to complete as many upgrades to lighting, mechanical and control systems as we can, within our budget constraints. We continue to pursue projects designed to reduce emissions through the Carbon Neutral Capital Program and continuously review our practices with an eye to reducing emissions at every opportunity.

We are committed to improving learning for all students. This includes raising awareness around environmental issues and educating staff and students to be good "Global Citizens". District wide students and staff have engaged in many initiatives:

- reducing waste output
- car-pooling programs
- actively recycling
- composting
- purchasing green products
- undertaking energy challenges
- turning off / unplugging unneeded equipment and lights
- promoting sustainability through Project Based Learning

As always, environmental effects and benefits continue to be considered in all of our decisions and practices.


**Emissions and Offset Summary Table:**

<i>[Organization X]</i> GHG Emissions and Offset for 2018 (tCO <sub>2</sub> e)	
<b>GHG Emissions created in Calendar Year 2016:</b>	
Total Emissions (tCO <sub>2</sub> e)	927
Total Offsets (tCO <sub>2</sub> e)	123
<b>Adjustments to GHG Emissions Reported in Prior Years:</b>	
Total Emissions (tCO <sub>2</sub> e)	-
Total Offsets (tCO <sub>2</sub> e)	-
<b>Grand Total Offsets for the 2016 Reporting Year</b>	
Grand Total Offsets (tCO <sub>2</sub> e)	808

**Retirement of Offsets:**

In accordance with the requirements of the Greenhouse Gas Reduction Targets Act and Carbon Neutral Government Regulation, School District 70 (**the Organization**) is responsible for arranging for the retirement of the offsets obligation reported above for the 2016 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 within 30 days, 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 31, 2018
Signature	Date

Greg Smyth	Superintendent of Schools
Name (please print)	Title

# Part 1: CNAR Survey

## 1. General Information

**Name:** Greg Roe

**Contact Email:** groe@sd70.bc.ca

**Organization Name:** hool District 70 (Alberni)

**Sector:** School District

**Role** - Please select your role(s) below.

*If more than one individual completed the survey, multiple categories may be selected:*

Energy Manager: No

Sustainability Coordinator: No

Administrative Assistant: No

Facilities/Operations Manager/Coordinator: Yes

CEO/President/Exec Director: No

Treasurer/Accounting: No

Superintendent: No

### A. Stationary Sources (e.g. Buildings, Power Generators): Fuel Combustion, Electricity use, Fugitive Emissions.

#### 1. Actions taken by your organization in 2018 to support emissions reductions from buildings.

a) Do you have a strategy to reduce emissions from stationary sources?

No

b) Whether you have a strategy or not (1.a), briefly describe your organization's plans to continue reducing emissions from stationary sources:

I. Over the medium-term term (1-5 years)

Adding occupancy sensors to all HVAC systems as budget permits

Continue to reinforce "No Idling" policy for all fleet vehicles

Consider emissions in new vehicle purchases

Update facilities building envelopes to reduce heat loss

Consider alternate energy sources in new and existing facilities such as geothermal and solar

LEED standard for all new construction

II. Over the long term (6-10 years)

Adding occupancy sensors to all HVAC systems as budget permits

Continue to reinforce "No Idling" policy for all fleet vehicles

Consider emissions in new vehicle purchases

Update facilities building envelopes to reduce heat loss

Consider alternate energy sources in new and existing facilities such as geothermal and solar

LEED standard for all new construction

I. What % on average of your building portfolio has an energy audit completed each year (if any)? : 0

I. What % on average of your building portfolio is retrofitted each year in the following categories (if any) - click [here](#) for further information:

Minor retrofits (e.g., low cost, easy to implement measures including caulking, lighting, adding roof insulation, etc.) (%): 10

Major retrofits (e.g., replacing windows and doors, equipment replacement such as boilers, etc.) (%): 10

Deep retrofits (e.g., replacing roof, replacing the heating, ventilation and air-conditioning system with a renewable technology like a ground-source heat pump, etc.) (%): 5

I. What % on average of your building portfolio do you recommission each year?: 0

**f) Do you keep records of Refrigerant gases category and refilling volumes?**

No

II. Please explain why LEED Gold certification was not obtained.

No new construction in 2018

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

**3. Actions taken by your organization in 2018 to support emissions reductions from mobile sources.**

**a) Do you have a strategy to reduce emissions from mobile sources?**

No

**b) Whether you have a strategy or not (3.a), briefly describe your organization's plans to continue reducing emissions from mobile sources:**

I. Over the medium-term term (1-5 years)

Continued reinforcement of "No Idle" policy

Consider emissions in all new vehicle purchases

II. Over the long term (6-10 years)

Consider hybrid or electric vehicles where appropriate

**c) How many fleet vehicles did you purchase from the following categories:**

Electric Vehicle – EV - (e.g., Nissan Leaf, Chevy Bolt): 0

"Plug In" Electric Vehicle – PHEV (e.g., plug-in Prius, Chevy Volt): 0

Hybrid vehicle – HEV – non "Plug In"- (e.g., Toyota Highlander Hybrid): 0

Hydrogen fuel cell vehicle : 0

Natural gas/propane: 0

Gas/diesel vehicle: 0

**d) How many existing EV charging stations does your organization have in each category:**

level 2: 4

level 3: 0

How many level 2 stations (if any) are specifically for your fleet vehicles: 0

How many level 3 stations (if any) are specifically for your fleet vehicles: 0

**e) How many EV charging station(s) did you install in 2018 in each category:**

level 2: 0

level 3: 0

How many level 2 stations (if any) were installed specifically for your fleet vehicles: 0

How many level 3 stations (if any) were installed specifically for your fleet vehicles: 0

**4. Please indicate the number of the vehicles in the following vehicle classes that are in your current fleet (including any purchased in 2018):**

Definitions:

- Light duty vehicles (LDVs) are designated primarily for transport of passengers <13 and GVWR<3900kg
- Light duty trucks (LDTs) are designated primarily for transport of light-weight cargo or that are equipped with special features such as four-wheel drive for off-road operation (include SUVs, vans, trucks with a GVWR<3,900kg )
- Heavy duty vehicles (HDV) includes vehicles with a GVWR>3,900 kg (e.g. ¾ tonne pick-up truck, transport trucks)

**a) Light duty vehicles (LDVs)**

Electric Vehicles – EV - (e.g., Nissan Leaf, Chevy Bolt): 0

"Plug In" Electric Vehicle – PHEV -- (e.g., plug-in Prius, Chevy Volt) : 0

Hybrid vehicles – HEV – (e.g., non "Plug In"- older Toyota Prius, Toyota Camry hybrid): 0

Hydrogen fuel cell vehicles: 0

Natural gas/propane: 0

Gas/diesel: 5

**b) Light duty trucks (LDTs)**

Electric Vehicles – EV : 0

"Plug In" Electric Vehicle – PHEV: 0

Hybrid vehicles – HEV – (e.g., non "Plug In"- older Ford Escape Hybrid, older Chevrolet Silverado pickup hybrid etc): 0

Hydrogen fuel cell vehicles: 0

Natural Gas/propane: 0

Gas/diesel: 7

**c) Heavy duty vehicles (HDV)**

Electric Vehicles – EV : 0

"Plug In" Electric Vehicle – PHEV : 0

Hybrid vehicles – HEV – (e.g., non "Plug In"): 0

Hydrogen fuel cell vehicles: 0

Natural Gas/propane: 0

Gas/diesel: 1

**5. Please indicate the number of the vehicles you plan to replace in your fleet:**

How much do you budget per LDV?: 40000

How many LDVs do you plan to procure annually over the next 5 years?: 1

How much do you budget per LDT?: 0

How many LDTs do you plan to replace annually over the next 5 years?: 0

How much do you plan to spend per HDV?: 0

How many HDVs do you plan to replace annually over the next 5 years?: 0

**C. Office Paper: Indicate which actions your PSO took in 2018:****6. Actions taken by your organization in 2018 to support emissions reductions from paper supplies.****a) Do you have an Office Paper strategy?**

No

**b) Whether you have a strategy or not (6.a), briefly describe your organization's plans to continue reducing emissions from paper use:****I. Over the medium-term (1-5 years)**

Reinforce the use of paperless means of communication

Double sided printing whenever possible

Buy recycled paper when practical

**II. Over the long term (6-10 years)**

Reinforce the use of paperless means of communication

Double sided printing whenever possible

Buy recycled paper when practical

**c) Have an awareness campaign focused on reducing office paper use**

No

**d) Purchased alternate source paper (bamboo, hemp, wheat, etc.)**

No