

## CNAR OVERVIEW

**Title:** 2018 Carbon Neutral Action Report

**Organization name:** School District 72 (Campbell River)

**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.

By June 30, 2019 final *Carbon Neutral Action Report* will be posted to our website at [www.sd72.bc.ca](http://www.sd72.bc.ca)

**Overview:**

In 2018, School District 72 (Campbell River) continued its program of seeking opportunities to reduce Greenhouse Gas Emissions. Compared to 2017, notwithstanding a decrease of 374 Heating Degree Days, this contributed to a decrease of 410 (tCO<sub>2</sub>e), or 14.5%, in 2018. As detailed in our Strategic Energy Management Plan (available on the school district web site), specific actions included life-cycle boiler replacements, mechanical system upgrades, and life-cycle roof replacements.

Looking forward to 2019, additional boiler and mechanical system upgrades are planned. Additionally, utility accounts of the Heritage Lands facility (shared with North Island College) have been separated using sub-metering and reorganization of existing accounts. This is expected to significantly reduce Timberline High school utility consumption and carbon footprint.


**Emissions and Offset Summary Table:**

School District 72 (Campbell River) GHG Emissions and Offset for 2018 (tCO <sub>2</sub> e)	
<b>GHG Emissions created in Calendar Year 2018</b>	
Total Emissions (tCO <sub>2</sub> e)	2409
Total BioCO <sub>2</sub>	18.5
Total Offsets (tCO <sub>2</sub> e)	2025
<b>Adjustments to GHG Emissions Reported in Prior Years</b>	
Total Emissions (tCO <sub>2</sub> e)	0
Total Offsets (tCO <sub>2</sub> e)	0
<b>Grand Total Offsets for the 2018 Reporting Year</b>	
Grand Total Offsets Required (tCO <sub>2</sub> e)	2025
Total Offset Investment (Grand Total Offsets Required X \$25/tCO <sub>2</sub> e)	\$50,625

**Retirement of Offsets:**

In accordance with the requirements of the Greenhouse Gas Reduction Targets Act and Carbon Neutral Government Regulation, School District 72 (Campbell River) (**the Organization**) is responsible for arranging for the retirement of the offsets obligation reported above for the 2018 calendar year, together with any adjustments reported for past calendar years. The Organization hereby agrees that, in exchange for the Ministry of Environment and Climate Change Strategy 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:**

	<i>April 1, 2019</i>
Signature	Date
Dr. Jeremy Morrow	Superintendent/CEO
Name (please print)	Title

# Part 1: CNAR Survey

## 1. General Information

**Name:** Steve Woods

**Contact Email:** steve.woods@sd72.bc.ca

**Organization Name:** School District 72 (Campbell River)

**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?

Yes

If yes above, what are the main goals?: Strive for an ongoing 2% reduction in energy consumption per year

##### 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)

Incorporate high efficiency technologies into life-cycle capital replacement projects.

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

Include consideration of energy conservation opportunities when prioritizing capital project proposals submitted to the Ministry of Education

##### c) Please describe your strategy's goals (if any) related to [energy audits](#).

Based on evidence from ongoing monitoring of energy consumption trends, conduct building energy audits to gain deeper understanding of underlying energy usage and identify high impact conservation opportunities

I. What % on average of your building portfolio has an energy audit completed each year (if any)?: 10

**d) Please describe your strategy's goals (if any) related to building retrofits.**

Implement energy conservation opportunities whenever feasible and consistent with primary project deliverables

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.) (%): 10

**e) Please describe your strategy's [re/retro-commissioning](#) goals (if any)?**

NA

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

**g) How many newly constructed buildings received at least LEED Gold certification in 2018 : 0**

I. How many newly constructed buildings did not receive LEED Gold certification?: 0

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

No new construction

**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?**

Yes

I. If yes, what are its goals?

Life-cycle replacement of older, less fuel efficient vehicles

**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)

Life-cycle replacement of older, less fuel efficient vehicles

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

Life-cycle replacement of older, less fuel efficient vehicles

**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: 3

I. If you purchased new gas/diesel vehicles, can you briefly explain why vehicles from the other categories were not chosen?

Lack of fueling facilities, concerns with operating costs for unique vehicles.

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

level 2: 0

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

**f) Other actions, please describe briefly (e.g. charging station feasibility studies, electrical panel upgrades, etc.)**

none

**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: 8

**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: 1

Gas/diesel: 14

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

How much do you budget per LDV?: 0

How many LDVs do you plan to procure annually over the next 5 years?: 0

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?: 35000

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

## **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)**

Double-sided printing as default setting on multifunction devices

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

Double-sided printing as default setting on multifunction devices

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

Yes

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

No

#### **e) Other actions, please specify.**

NA