



School District 93 2018 Carbon Neutral Action Report

Organization name: Conseil Scolaire Francophone de la Colombie-Britannique

Declaration statement

This Carbon Neutral Action Report for the period January 1st, 2018 to December 31st, 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, CSF's final Carbon Neutral Action Report will be posted on our website at www.csf.bc.ca.

Overview

As part of its overall long-term Strategic Plan, the Conseil scolaire francophone recognizes the importance that all environmental learning aims to integrate environmental thinking and ideas into students' everyday lives. In this way, it is hoped that students will begin to realize how they can take personal responsibility and leadership in creating a more environmentally sustainable way of life. We must also turn to ourselves, as an educational institution and as individuals, to make changes and develop a new ethic



– a responsible attitude toward caring for the Earth. Working to integrate environmental learning within all subject areas promotes this change in attitude by providing students with opportunities to experience and investigate the relationships linking individuals, societies, and natural surroundings. Schools continue to expand environmental learning into the curriculum. Recycling, composting and waste reduction programs continue to expand in the schools with increased student and teacher participation.

Through its Capital Program, the CSF practices environmental sustainability by requiring LEED certification that is demonstrated by construction of the new École des Pionniers in Port Coquitlam, finished in March 2018, that was done pursuing the Leed Gold certification. Although



the CSF has difficulties in meeting Energy Retrofit minimum funding criteria, it continues to focus on energy efficient renovations as part of its Annual Facilities Grant Program, Seismic Upgrade Program, CNCP and SEP Programs. Removal of single pane glazing for the windows, installation of energy efficient lighting systems, installation of modern and energy efficient HVAC systems in our schools, re-commissioning, re-balancing and installing modern controls for the HVAC systems, are examples of existing short and long-term retrofit programs that form part of the CSF

AFG Plan. In 2018 our School District installed new energy efficient windows at École des Voyageurs in Langley and École la Vèrendrye in Chilliwack. We partially upgraded lighting at École Côte du soleil in Powell River and completely upgraded with LED lighting École Océane in Nanaimo. We replaced the Gymnasium HVAC system with a high efficiency one at École Franco Nord in Prince George and at École du Bois Joli in Delta.

Emissions and offset summary table


| CSF's GHG Emissions and Offset for 2018 (TCO2E) | |
|---|--------------|
| GHG Emissions created in Calendar Year 2018 | 1,345 |
| Total Emissions (tCO₂e) | 1,345 |

| | |
|---|--------|
| Total Offsets (tCO ₂ e) | 1,345 |
| Adjustments to GHG Emissions Reported in Prior Years : -1,963 | |
| Total Emissions (tCO ₂ e) | -1,963 |
| Total Offsets (tCO ₂ e) | -1,963 |
| Grand Total Offsets for the 2017 Reporting Year : -618 | |
| Grand Total Offsets (tCO ₂ e) | -618 |

Retirement of Offsets

In accordance with the requirements of the Greenhouse Gas Reduction Targets Act and Carbon Neutral Government Regulation, Conseil Scolaire Francophone de la C.B. 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 ensuring that these offsets are retired on the Organization's behalf, the Organization will pay 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, 2019 |
| _____ Signature | _____ Date |
| Sylvain Allison | Secretary Treasurer |
| _____ Name | _____ Title |

Part 1: CNAR Survey

1. General Information

Name: Claudiu Chifan

Contact Email: claudiu_chifan@csf.bc.ca

Organization Name: SD93

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

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)

We're implementing DDC automatization to all our HVAC systems in our buildings.

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

All the new schools to be Leed Gold.

All the obsolete HVAC systems in the old schools to be replaced.

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

The goal is to have modern HVAC systems, LED lighting systems controlled by computer, high efficiency windows, proper building envelope.

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.) (%): 30

Major retrofits (e.g., replacing windows and doors, equipment replacement such as boilers, etc.) (%): 5

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

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 : 1

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

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

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)

Our fleet will remain hybrid.

The school buses we use are fairly new.

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

Hybrid vehicle – HEV – non "Plug In"- (e.g., Toyota Highlander Hybrid): 3

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

level 2: 2

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

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

level 2: 2

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

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)

Hybrid vehicles – HEV – (e.g., non “Plug In”- older Toyota Prius, Toyota Camry hybrid): 2

b) Light duty trucks (LDTs)

Hybrid vehicles – HEV – (e.g., non “Plug In”- older Ford Escape Hybrid, older Chevrolet Silverado pickup hybrid etc): 1

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?

Yes

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)

We implemented a photocopier program that counts and limits the number of copies per employee.

We implemented a scanning procedure used in our accounting that reduces the number of paper copies needed for the Archive.

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

Yes

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

No