

School District No. 51 (Boundary)



2023 PSO Climate Change Accountability Report

Part 1. Legislative Reporting Requirements

Declaration Statement

- This Carbon Neutral Action Report for the period January 1st, 2023 to December 31st, 2023 summarizes our emissions profile, the total offsets to reach net-zero emissions, the actions we have taken in 2023 to reduce our greenhouse gas emissions and our plans to continue reducing emissions in 2024 and beyond.
- By June 30, 2024, School District 51's final *Carbon Neutral Action Report* will be posted to our website at www.sd51.bc.ca.
- SD51 Board of Education continues to believe that we should all be lifelong learners, and as a District we try to cultivate as well as teach a respect for our environment that will follow our students into adulthood. We believe that the District and its schools have a unique opportunity to reinforce positive environmental concepts, that will enhance the relationship between living things and their natural and built surroundings.

Emission Reductions: Actions & Plans

A. Stationary Sources (e.g. buildings, power generation)

- The School District 51 is replacing older tube lighting with LED lighting as per the energy audit report done across the district.
- Upgraded the building management software at one of our sites and will use that as a flagship project for energy conservation.
- Is working on re-commissioning the HVAC system in one of our school due to upgrades that have been performed over the years to ensure that the school is efficient as possible.

B. Mobile Sources (e.g. fleet vehicles, off-road/portable equipment)

- Following the School District's fleet replacement plan completed with the lens of reducing carbon emissions over the next 15 years.
- The District has purchased another electric vehicle to join the fleet.
- School District 51 has also purchased a more efficient light duty truck to replace a work van in an effort to reduce fuel consumption.

C. Paper Consumption

- School District 51 continues to use key fobs on all photocopier machines in order to track paper usage across the District
- Over the past two years School District 51 has used Grand & Toy as our paper supplier. Grand & Toy promises to limit waste, conserve energy, and promote recycling as stated in their sustainability commitment: [Grand & Toy](#)

2023 GHG Emissions and Offsets Summary Table

School District No. 51 (Boundary) 2023 GHG Emissions and Offsets Summary	
GHG emissions for the period January 1 - December 31, 2023	
Total BioCO ₂	7.28
Total Emissions (tCO ₂ e)	1201
Total Offsets (tCO ₂ e)	1131
Adjustments to Offset Required GHG Emissions Reported in Prior Years	
Total Offsets Adjustment (tCO ₂ e)	0.472081
Grand Total Offsets for the 2023 Reporting Year	
Grand Total Offsets to be Retired for 2022 Reporting Year (tCO ₂ e)	1131.47208
Offset Investment (\$)	\$28,286.80

Retirement of Offsets

In accordance with the requirements of the *Climate Change Accountability Act* and Carbon Neutral Government Regulation, School District No. 51 (Boundary) (**the Organization**) is responsible for arranging for the retirement of the offsets obligation reported above for the 2023 calendar year, together with any adjustments reported for past calendar years (if applicable). The Organization hereby agrees that, in exchange for the Ministry of Environment and Climate Change Strategy (**the Ministry**) 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.

Part 2. Public Sector Climate Leadership

2A. Climate Risk Management

- Installed irrigation system to allow for tree watering zones in order to keep trees watered during droughts in compliance with provincial regulations for water reduction.
- Also included a central irrigation control system to allow for the automatic shut off when there are water breaks detected by the system.

2C. Success Stories

In 2023 School District No. 51 continued to strive to improve our efficiencies and help reduce our footprint. The actions we took in 2023 that had the most impact increasing our efficiencies were:

- Completed the sealing of West Boundary Elementary building envelope
- Have two electric school buses in service and an additional electric vehicle joined the fleet
- Working toward the most efficient use of energy in our buildings with the building management software that was installed this year at John A. Hutton Elementary School

Executive Sign-off



May 31, 2024

Signature

Date

Anna Lautard

Superintendent

Name

Title