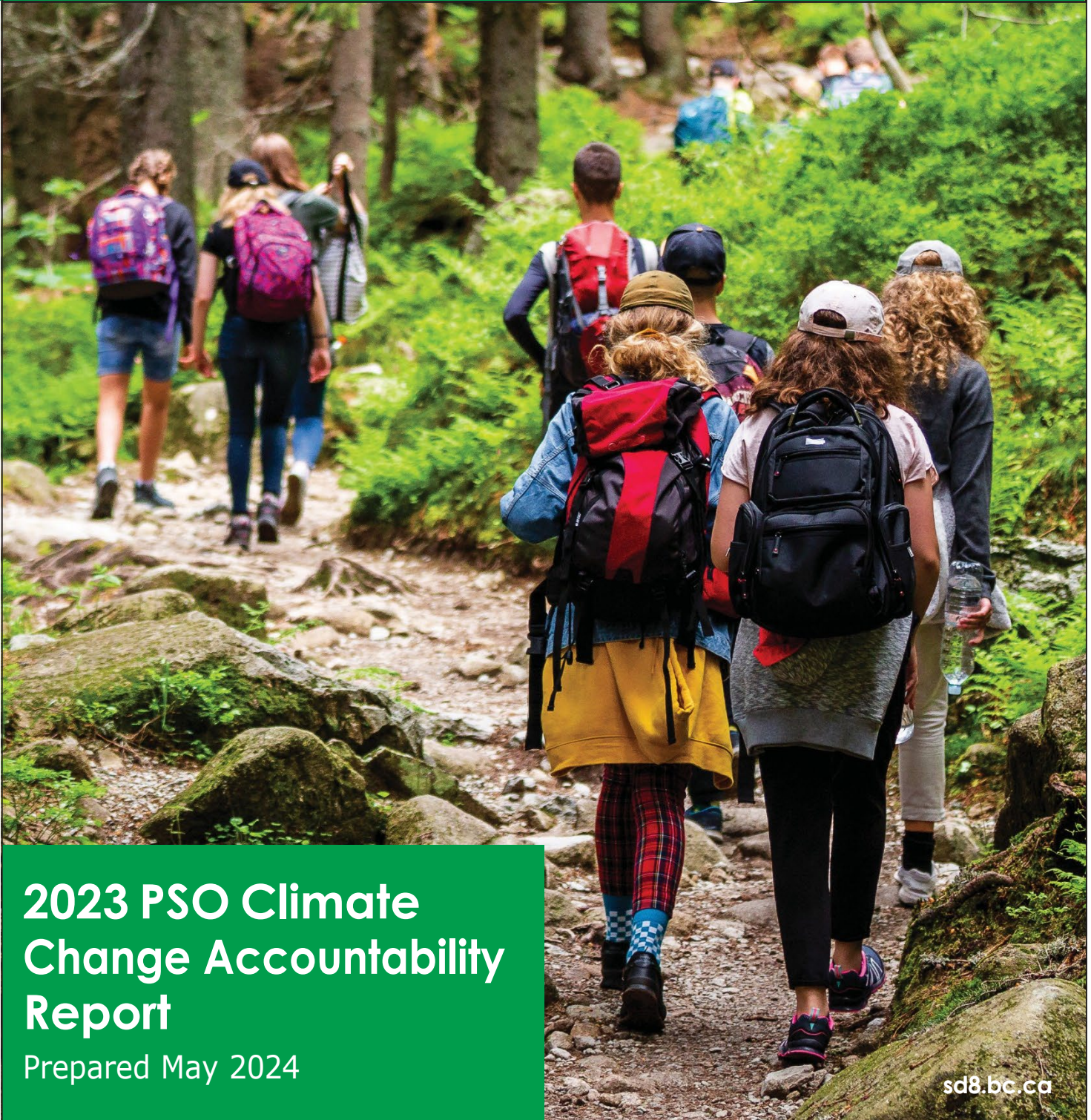




School District 8
Kootenay Lake



2023 PSO Climate Change Accountability Report

Prepared May 2024

sd8.bc.ca

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Prepared: May 27, 2024

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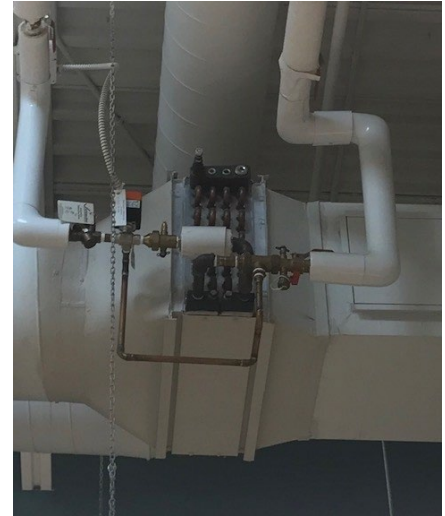
Declaration Statement

Title: 2023 PSO Climate Change Accountability Report

Organization: The Board of Education, School District No. 8 Kootenay Lake

Declaration Statement: This Climate Change Accountability Report for the period January 1, 2023 to December 31, 2023 summarizes our emissions profile, the total offsets to reach net-zero emissions, the actions we have taken in 2023 and 2024 to reduce our greenhouse gas emissions, and our plans to continue reducing emissions in 2024 and beyond.

By June 30, 2024, the School District No. 8 Kootenay Lake's final 2023 Climate Change Accountability Report will be posted to our website at www.sd8.bc.ca



New coil and controls (Trafalgar)

Overview

Each year, the Board updates its Capital Plan that outlines various facilities and transportation initiatives to reduce the district's carbon footprint. We install LED lighting, upgrade building envelopes, replace or improve mechanical systems, all to reduce emissions. Building retrofits aim to reduce the district's carbon footprint, increase efficiencies, and reduce operating costs. The following building designs and retrofits were completed in 2023-2024:



New coil and controls (Mount Sentinel)

Brent Kennedy Elementary School: Completed HVAC system upgrade for the Daycares primary building.

Central School: Completed the Air Handling upgrade and HVAC system improvements.

Kootenay River Secondary School: Began the DDC (Direct Digital Controls) upgrade.

L V Rogers Daycare: Completed the entire HVAC system upgrade.

L V Rogers Secondary School: Completed design for the new DDC (Direct Digital Controls) system. Installation will begin summer 2024.

Mount Sentinel Secondary School: Completed Phase 2 of the HVAC system upgrade.

Redfish Elementary School: Completed DDC (Direct Digital Control) upgrade.

Trafalgar Middle School: Various HVAC system upgrades, including replacement of old gas fired equipment with modern hydronic equipment, replacement of Supply Fan 1 which serves the central part of the facility with a new fan, and addition of heating coils for increased efficiency.

District: Additional new Direct Digital Control (DCC) components were upgraded in various buildings. Nearly all DDC's in district facilities are modernized.

The following building retrofits are planned for 2024-2025:

- Kootenay River Secondary School: Complete the DDC (Direct Digital Controls) upgrade.
- Kootenay River Secondary School: Geothermal project application re-submitted for the Federal Low Carbon Economy Fund.
- LV Rogers Secondary School: Complete Phase I DDC (Direct Digital Controls) upgrade.
- Mount Sentinel Secondary School: Complete final phase of mechanical upgrade.
- Trafalgar Middle School: Life safety sprinkler system installation (phase 3) and mechanical upgrades as required.
- DDC (Direct Digital Control): Continue district upgrades as applicable.
- Window replacement at Rosemont or Central Elementary budget depending.



New charging kiosk (Nelson bus yard)



New charger (Nelson bus yard)

As fleet vehicles are replaced, the district plans to acquire EV, PHEV, or hybrid vehicles. The district is awaiting delivery of three new electric buses bringing our electric bus fleet to five.

Capital purchases of this nature will be dependent on bylaw capital funding that is provided. The district plans to replace its bus fleet with full EV buses in the future. As mentioned above such purchases are to commence in 2024-2025. All new non-service fleet vehicles are planned to be electric or hybrid.

Bus charging stations are under construction and the district purchased an additional bus charger for Creston.

The district’s “Go Green” Initiative includes low carbon initiatives in all elements of the district’s operations, including school-based waste reduction and recycling programs in collaboration with the schools and Green Teams.

The district’s paper reduction initiative uses software to count and reduce usage of paper District wide in all employee categories. An employee E-Bike purchase program is ongoing.

Emissions and Offset Summary Table

School District No. 8 - Kootenay Lake’s 2023 GHG Emissions	
GHG Emissions created in Calendar Year 2023	
Total Emissions (tCO ₂ e)	3,023
Total BioCO ₂	39
Offsets	
GHG Emissions created in Calendar Year 2023	
Total Offsets (tCO ₂ e)	2,306
Adjustments to Offset Required GHG Emissions Reported in Prior Years	
Total Offsets Adjustment (tCO ₂ e)	(0)
Grand Total Offsets for the 2023 Reporting Year	2,306
Grand Total Offsets (tCO ₂ e) to be Retired for 2023 Reporting Year	x \$25 per tCO ₂ e
Offset Investment	\$57,650

Retirement of Offsets Statement

In accordance with the requirements of the Climate Change Accountability Act and Carbon Neutral Government Regulation, School District No. 8 (Kootenay Lake) (**the Organization**) is responsible for arranging for the retirement of the offset 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.

Executive sign-off

Signature

Trish Smillie

Name

May 27, 2023

Date

Superintendent & Chief Executive Officer

Title