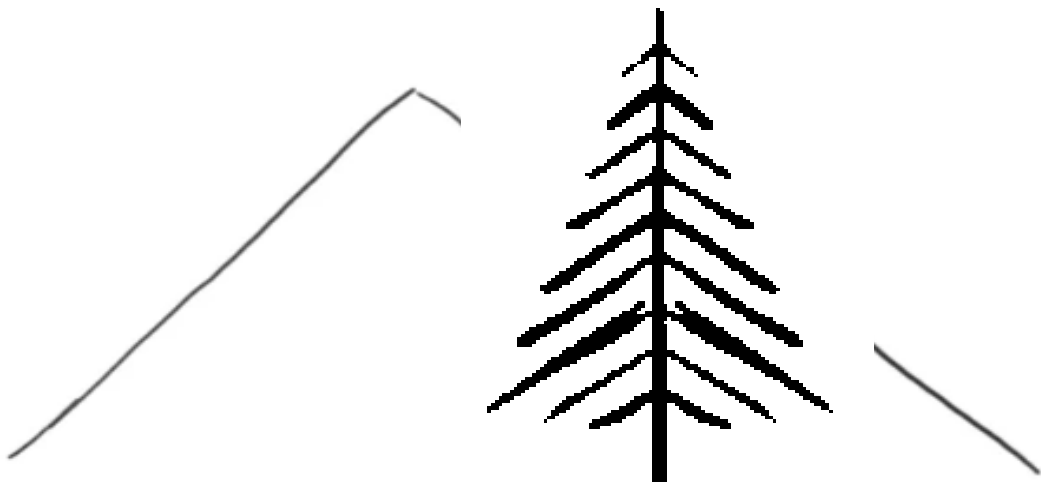


Climate

C H A N G E

Accountability Report 2022



Carbon Neutral

Declaration statement:

This PSO Climate Change Accountability Report for the period January 1, 2022 to December 31, 2022 summarizes our greenhouse gas (GHG) emissions profile, the total offsets to reach net-zero emissions, the actions we have taken in 2022 to minimize our GHG emissions, and our plans to continue reducing emissions in 2023 and beyond.

2022 Action Highlights

Upgrade to LED lighting and install occupational sensors.

Highlights: 20 classrooms upgrade and 8 corridors

Upgrade Houston Secondary foyer R-value

Highlights: Increased R-value from R2 to R30. New wiring, insulated exterior walls and vented exterior ridged insulation to reduce thermal bridging and trapped moisture. New triple pane windows were installed.

Energy reduction audit for Telkwa Elementary

Highlights : Secured an engineering firm to audit the mechanical system at Telkwa elementary to help reduce the buildings energy consumption. Telkwa currently takes advantage of the villages BioMass for heating.

Ventilation upgrade for Smithers Secondary Kitchen

Highlights: Reconfiguration of stove locations which allowed the kitchen to be upgraded to a single extraction hood. The hood is digitally controlled and increased ventilation and temperature control.

Variable Air Volume (VAV) Ventilation upgrade upgrade for Smithers Secondary Classrooms

Highlights: 12 classrooms had a VAV box installed to the ventilation system. The VAV will reduce the air volume in unoccupied spaces and is digitally controlled. VAV reacts to heating and CO2 extracting needs reducing energy consumption by 20-30% from previous set up.

HVAC upgrade for Silverthorne Elementary.

Highlights: Phase 2 HVAC and heating upgrade was completed at Silverthorne Elementary. The project included the installation of Heat Recovery Ventilators which strips heat from exhaust air and uses the energy to pre-heat the incoming cold fresh air used for ventilation.

Telkwa Elementary School Upgrades



Emissions and Offset Summary Table:

<i>School District 54 (Bulkley Valley) 2022 GHG Emissions and Offsets Summary</i>	
GHG emissions for the period January 1 - December 31, 2022	
Total BioCO ₂	18.2
Total Emissions (tCO ₂ e)	1159
Total Offsets (tCO ₂ e)	1141
Adjustments to Offset Required GHG Emissions Reported in Prior Years	
Total Offsets Adjustment (tCO ₂ e)	-224
Grand Total Offsets for the 2022 Reporting Year	
Grand Total Offsets to be Retired for 2022 Reporting Year (tCO ₂ e)	917
Offset Investment (\$)	\$22925.00

Retirement of Offsets:

In accordance with the requirements of the *Climate Change Accountability Act* and Carbon Neutral Government Regulation, School District No.54 (Bulkley Valley) is responsible for arranging for the retirement of the offsets obligation reported above for the 2022 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 Signoff:

Michael McDiarmid, Superintendent

Date

