

2021



Change Accountability  
Report

School District No.54 (Bulkley Valley)

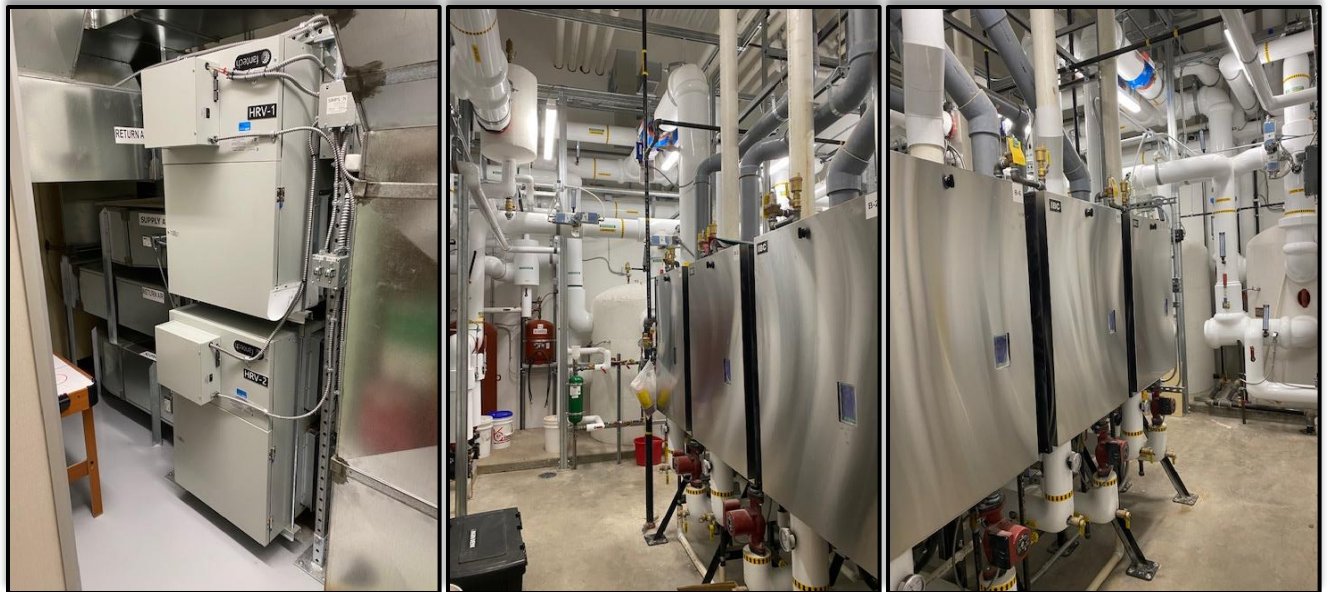
**Declaration statement:**

This PSO Climate Change Accountability Report for the period January 1,2021 to December 31,2021 summarizes our greenhouse gas (GHG) emissions profile, the total offsets to reach net-zero emissions, the action we have taken in 2021 to reduce the GHG emissions, and our plans to continue reducing emissions in 2022 and beyond.

**2021 Key Projects:**

i.	Retain an Engineering firm to audit the mechanical system at Smithers Senior Secondary to help with energy reduction.
ii.	Continuing to utilize and review solar wall energy to pre heat the outside air before the heating coil from our heating system used for ventilation.
iii.	Continue to change lighting control from lit security (every fifth light on at night) to black out security all lights off and controlled by occupancy sensors in all spaces.
iv.	2 phase HVAC and heating system upgrade at Silverthorne Elementary School. Phase 1 completed in 2021.
v.	Envelope upgrade at Silverthorne Elementary West wing with new insulated exterior walls with vented exterior ridged insulation to reduce thermal bridging and potential trapped moisture. This upgrade also includes triple pane windows.
vi.	Envelope upgrade continuing at Smithers Senior Secondary in the 400 Science wing with spray foam exterior insulation.
vii.	Installation of Heat Recovery Ventilators at the Silverthorne Elementary. Heating /HVAC upgrade and the Walnut Park Elementary project. The HRV units strips the heat from the exhaust air and uses the energy to pre heat the incoming fresh air used for ventilation.

## HRV System



## Completion of New Walnut Park School



**Emissions and Offset Summary Table:**

<b>School District 54 (Bulkley Valley) 2021 GHG Emissions and Offsets</b>	
<b>GHG Emissions created in Calendar Year 2021</b>	
Total Emissions (tCO <sub>2</sub> e)	1430
Total BioCO <sub>2</sub>	18.7
Total Offsets (tCO <sub>2</sub> e)	1411
<b>Adjustments to Offset Required GHG Emissions Reported in Prior Years</b>	
Total Offsets Adjustment (tCO <sub>2</sub> e)	0
<b>Grand Total Offsets for the 2021 Reporting Year</b>	
Grand Total Offsets (tCO <sub>2</sub> e) to be Retired for 2021 Reporting Year	1411
Offset Investment (\$25 per tCO <sub>2</sub> e)	\$35275.00

**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 2021 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:**

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**Signature** Michael McDiarmid, Superintendent

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**Date**



