

2024 PSO CLIMATE CHANGE ACCOUNTABILITY REPORT

School District No. 27 Cariboo Chilcotin

Declaration

This Climate Change Accountability Report for the period January 1st, 2024 to December 31st, 2024, summarizes our emissions profile, the total offsets to reach net-zero emissions, the actions we took in 2024 to reduce our greenhouse gas emissions, and our plans to continue reducing emissions in 2025 and beyond.

By June 30th, 2025, School District No. 27's final Climate Change Accountability Report will be posted to our website at <https://www.sd27.bc.ca/>.

EMISSION REDUCTIONS: ACTIONS & PLANS

In 2014, SD27 created an Energy and Sustainability Plan. The plan describes strategies, goals, roadmaps, and recommendations to achieve future energy savings and greenhouse gas emission reductions. GHG reduction targets for BC's education sector are summarized below, along with SD27's 2010 Baseline and 2024 current performance.

Table 1: SD27 sectoral GHG targets. 2030 milestone with respect to 2010 baseline. ¹

Milestone	Facilities	Fleet (Mobile)	Paper	Fugitive	Total
Target Reduction by 2030	59 - 64%	27 - 32%	59 - 64%		
Target GHGs by 2030, tCO ₂ e	1123 – 1,279	1036 – 1113	32 - 36		2191 – 2428
SD27 2010 Baseline, tCO ₂ e	3525	1608	86	Not measured until 2024	5,219
SD27 2024, tCO ₂ e	1860	1611	61.6	346	3878.60
2024, % change from base year	47%	-.0019%	28%		26%

Figure 1 shows SD27's historic annual GHG emission trends including the 2030 climate action goal. Overall reductions for 2024 with respect to the 2010 baseline are 32.7%. This reduction spans the categories by 47%, -.0019%, and 28% for buildings, mobile (fleet), and paper respectively.

¹ <https://news.gov.bc.ca/releases/2021ENV0022-000561>

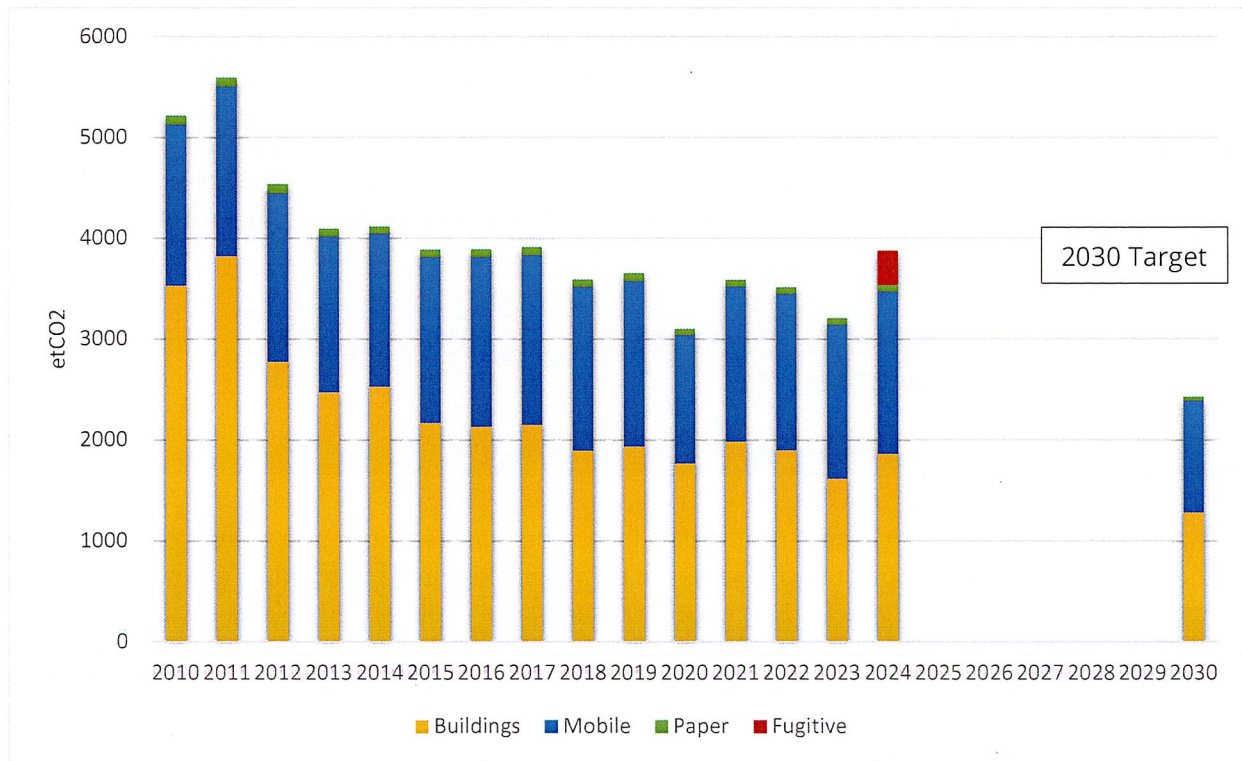


Figure 1 1: Historic GHG emissions including 2030 target.

2024 Actions

In 2024, School District 27 took action to reduce GHG emissions through the following initiatives:

Location	Project
Peter Skeene Ogden Secondary	Boiler Replacement - Replace the original boiler with a new high efficient gas boiler. Completed Fall 2024.
Likely Elem/Junior Secondary	Furnace Upgrade - Upgrading heating oil furnace with a new high efficient furnace. Completed Fall 2024
Columneetza Junior Secondary	Furnace Upgrade - Upgrade 2 furnaces in gym section to 2 new high efficient furnaces. Completed May 2024.
Forest Grove Elementary	Full Building Envelope Upgrade completed: Building envelope replacement including windows and doors. Completed Fall 2024.

2025 Planning

The following projects are approved/in consideration for 2025 and beyond:

Location	Project
Tatla Lake Elem/Junior Sec.	Boiler Replacement – Replace the original boiler with a new high efficient gas boiler. To be completed in 2025.
District-wide	District-wide building automation upgrade (DDC) – This will greatly add to the HVAC system efficiently and will enable better access to school user group scheduling. To be completed in 2025.
100 Mile Elementary	Full Building Envelope Upgrade completed: Building envelope replacement including windows and doors. To be completed in 2025.
Columneetza Junior Secondary – Gym HVAC update	Replace two end of life air handlers. To be completed in 2025.

Emissions and Offset Summary

SD27 uses the provincial Clean Government Reporting Tool (CGRT) to track and report its emissions as required by legislation for all public sector entities in BC. Reportable sources of GHG emissions within SD27 are:

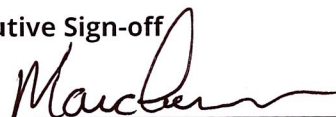
- Natural gas and propane consumption to run heating and hot water systems
- Electricity consumption within facilities
- Vehicle fuel consumption of the SD27 fleet and school buses
- Paper consumption

SD27 2024 GHG Emissions and Offsets Summary	
GHG emissions for the period January 1 - December 31, 2024	
Total BioCO ₂	70.1
Total Emissions (tCO ₂ e)	3879
Total Offsets (tCO ₂ e)	2587
Adjustments to Offset Required GHG Emissions Reported in Prior Years	
Total Offsets Adjustment (tCO ₂ e)	0
Grand Total Offsets for the 2024 Reporting Year	
Grand Total Offsets to be Retired for 2024 Reporting Year (tCO ₂ e)	2587
Offset Investment (\$25 per tCO ₂ e)	\$ 64,675

Retirement of Offsets

In accordance with the requirements of the Greenhouse Gas Reduction Targets Act and Carbon Neutral Government Regulation, **School District No. 27 Cariboo-Chilcotin** is responsible for arranging for the retirement of the offsets obligation reported above for the 2024 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 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

Marcus Loewen

 Name (Please print)

May 28/2025

 Date

Director of Operations

 Title