



CHILLIWACK FRASER VALLEY

Chilliwack School District 33 - Partners in learning!

Located in the Fraser Valley of British Columbia, we are a learning community of approximately 15,000 k - 12 students and approximately 1,100 pre-k students served by approximately 2,400 permanent and casual teachers and support staff. Our diverse programs include elementary, middle, and secondary neighbourhood schools, French Immersion, Integrated Arts & Technology programs, and more.

We are privileged to work and learn on the unceded traditional territory of Pilalt, Sema:th and Ts'elxwéyeqw.

2025 PSO Climate Change Accountability Report



Carbon Neutral

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EXECUTIVE SUMMARY

The Chilliwack School District continues to prioritize environmental sustainability by advancing initiatives that lower greenhouse gas (GHG) emissions and support responsible resource management.

Efforts across the district reflect a growing culture of environmental awareness, with schools actively engaging staff, students, and community partners in waste reduction, composting, and energy conservation practices. Student-led “*Green Teams*” remain an important driver of these efforts, helping to build environmental leadership and reinforce the principles outlined in **Board Policy 291**.

This commitment is further supported through **Administrative Procedure 260**, which guides the district’s approach to sustainable operations. Key actions include improving building efficiency, implementing GHG reduction strategies, and maintaining consistent annual reporting on environmental performance. Through these measures, sustainability continues to be integrated into both day-to-day operations and the broader educational experience.

As the District moves forward, it remains focused on strengthening its approach through continuous improvement, collaboration, and innovation working toward long-term environmental resilience and a reduced overall impact. While challenges remain, we are dedicated to reducing our environmental impact through collaboration, innovation, and education contributing to a healthier future for our community.



NEW EAST CHILLIWACK SCHOOL - UNDER CONSTRUCTION



DECLARATION STATEMENT: This PSO Climate Change Accountability Report for the period January 1, 2025, to December 31, 2025, summarizes our greenhouse gas (GHG) emissions profile, the total offsets to reach net-zero emissions, the actions we have taken in 2025 to minimize our GHG emissions, and our plans to continue reducing emissions in 2025 and beyond.

PART 1. EMISSION REDUCTIONS: ACTIONS & PLANS

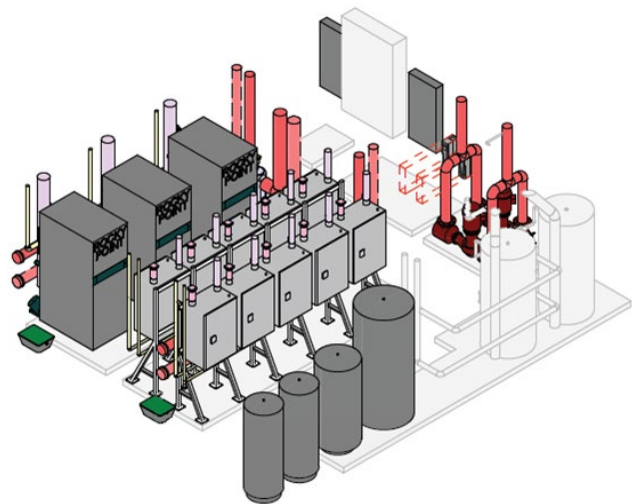
A. Stationary Sources

The Chilliwack school district is committed to reduce GHG emissions through a variety of building upgrades. The upgrades not only reduce harmful emissions but also reduce energy costs and replace aging infrastructures. Through Energy tracking software we can prioritize our building assets and target the ill performers. All New construction has utilized the latest in energy reduction technologies to lower Carbon emissions.

Mechanical - Boiler and HVAC Upgrades



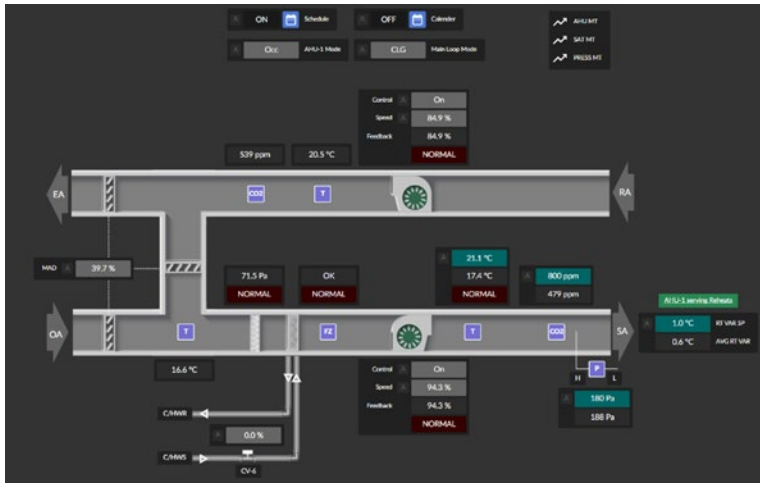
SARDIS SECONDARY BOILER PLANT



SARDIS SECONDARY HEATING AND COOLING PLANT DESIGN RENDERING

High efficiency condensing boilers retrofitted at Sardis Secondary School through dedicated Ministry School Enhancement program funding. Replace end of serviceable life mechanical equipment lowering energy and operational maintenance costs.

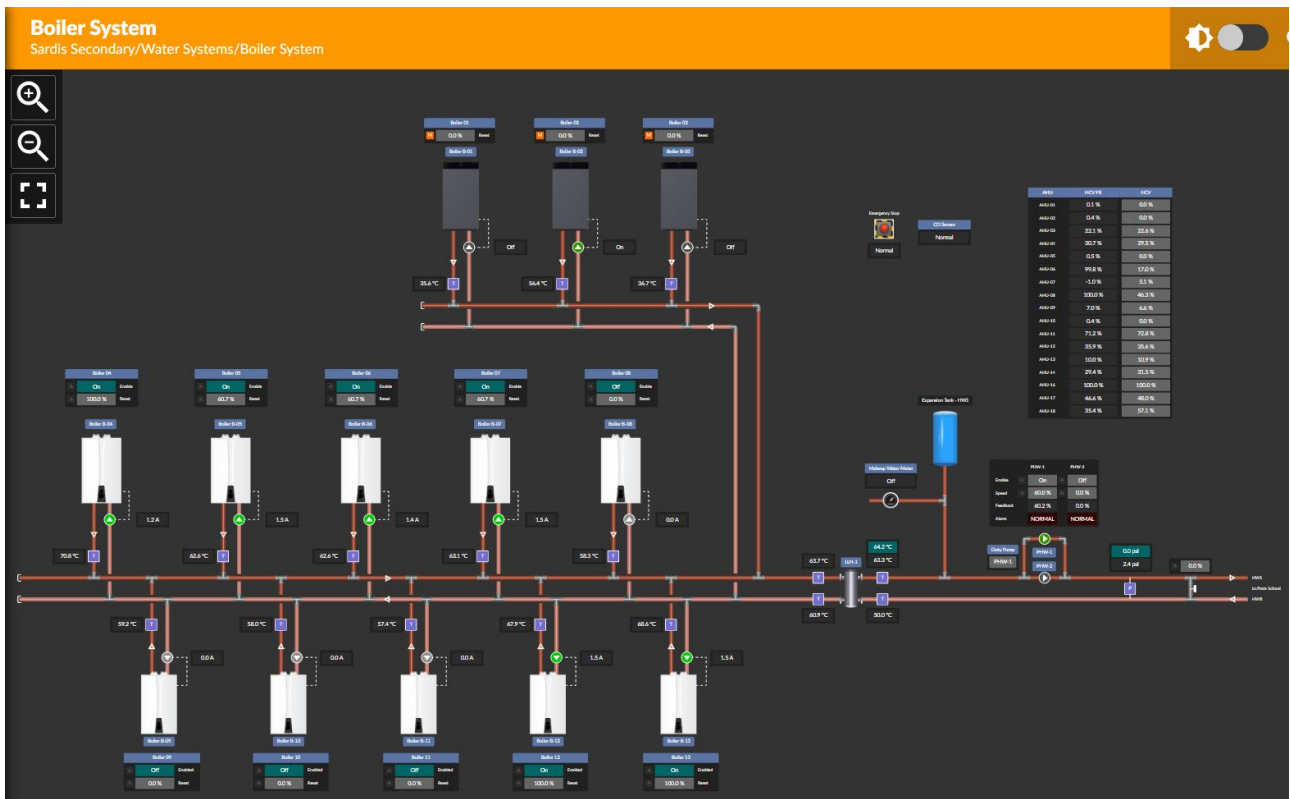
HVAC Control Upgrades



AIR HANDLING UNIT DDC GRAPHIC

Continued upgrades to our DDC (Direct Digital Controls) systems to enable precise control and monitoring of the various components of our HVAC systems resulting in improved energy efficiency, comfort, and indoor air quality.

Continuously optimizing our DDC HVAC systems, controls, and building schedules to prioritize the identification and implementation of control adjustments to enhance building efficiency and conserve energy.



SARDIS SECONDARY BOILER PLANT DDC GRAPHIC

HVAC Mechanical – HVAC Upgrades



A new boiler system was installed at Rosedale Traditional School, replacing an older system that had been experiencing ongoing operational issues and was no longer performing reliably. The upgraded heating system now operates at a significantly higher level of efficiency, improving overall performance, reliability, and energy use within the facility.

The heating plants variable speed pumps and DDC system monitoring and controls provide optimized building loop temperatures and real time feedback.



LED Lighting Upgrades



Sardis Secondary has upgraded its portables, corridors, common areas and classroom lighting with dimmable LED fixtures, providing improved comfort and flexibility through adjustable brightness levels. This shift to LED technology supports the school's energy-saving goals and promotes sustainability.

SARDIS SECONDARY LIGHTING



SARDIS SECONDARY LIGHTING

Building Envelope



Ministry-funded building envelope retrofits have significantly improved the energy performance of facilities by enhancing insulation throughout the structures. These upgrades help to minimize heat loss, particularly during colder months, contributing to more stable indoor temperatures and reducing the demand on heating systems.

SARDIS SECONDARY NEW ADDITON BUILDING ENVELOPE DETAILS

In addition to improved insulation, the retrofits have included the installation of energy-efficient windows. These window replacements further reduce heat transfer, enhance occupant comfort, and support overall energy savings. Together, these building envelope improvements play a crucial role in reducing energy consumption and supporting long-term sustainability goals.



Roofing Upgrades have incorporated additional insulation packages for improved energy efficiency and savings.

LERAY INTEGRATED ARTS ROOFING PROJECT

B. Mobile Sources

- Video conferencing is being used to minimize the need for travel.
- Staff are encouraged to carpool to all district-related events.
- Facility fleet moving to smaller, more fuel-efficient vehicles.
- A 10-year capital plan guides vehicle replacement, considering factors such as vehicle age, fuel efficiency, and maintenance costs.
- The district is exploring the feasibility of a Clean Fleet Plan.
- Planning is underway for the adoption of electric vehicles (EVs), including associated infrastructure needs.
- A comprehensive study and planning process is in progress for electric vehicle charging infrastructure to support the school bus fleet.



BUS DEPOT TRANSPORTATION YARD

C. Paper Consumption

- Power management settings have been implemented across all computers, copiers, and printers.
- Trials are underway using cold-pressed bamboo paper.
- A minimum recycled content policy is being explored.
- Paper consumption has been reduced through the implementation of *PaperCut* software, along with default settings such as double-sided printing and print release features.
- All paper sourced from environmentally and socially responsible suppliers, certified by the Forest Stewardship Council (FSC).



Unreleased jobs, environmental impact -
summary

Jan 1, 2025 to Dec 31, 2025.

	Trees Saved	<i>By not printing these jobs, the number of trees saved.</i>
	CO2 Saved	<i>By not printing these jobs, the amount of greenhouse gases not emitted due to reduced paper production.</i>
	Equivalent Bulb Hours	<i>The manufacturing energy saved from not producing paper, represented as the energy consumed by a standard light bulb in hours.</i>

Sheets:	354,384
Total Printed Pages:	529,155
Color Pages:	147,535
Grayscale Pages:	381,620
Value Saved:	\$18,970.58
Jobs:	37,597
Trees Saved:	4,40 trees
CO2 Saved:	1,594.7 kg
Equivalent Bulb Hours:	100,408.8 hours

D. Fugitive Sources (e.g., heat pumps, refrigerators, air conditioners)

The district is currently in the early stages of addressing fugitive emissions from refrigeration and HVAC equipment. In 2025, initial efforts have focused on developing a comprehensive inventory of equipment across all facilities, including system types, refrigerants used, and overall condition.

This work will establish a baseline understanding of potential emission sources and support future decision-making. As the inventory is completed, the district will begin determining next steps, including identifying opportunities for improved maintenance practices, leak detection, and the gradual transition to equipment using lower global warming potential (GWP) refrigerants.

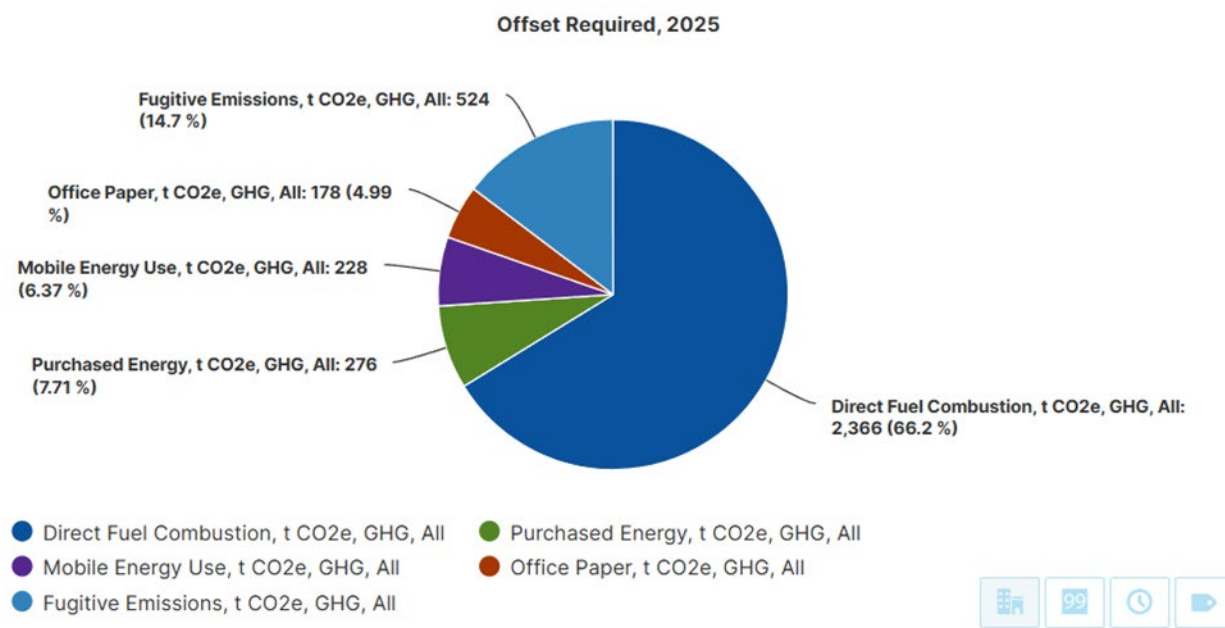
Planning and implementation of these measures will continue into 2026 and beyond as part of the district's broader emissions reduction strategy.

2025 GHG EMISSIONS AND OFFSETS SUMMARY TABLE:

Chilliwack School District 2025 GHG Emissions and Offsets Summary	
GHG Emissions for the period January 1 – December 31, 2025	
Total BioCO ₂	150
Total Emissions (tCO ₂ e)	4,733
Total Offsets (tCO ₂ e)	3,571
Adjustments to Offset Required GHG Emissions Reported in Prior Years	
Total Offsets Adjustment (tCO ₂ e)	112
Grand Total Offsets for the 2025 Reporting Year	
Grand Total Offsets to be Retired for 2025 Reporting Year (tCO ₂ e)	3,459
Offset Investment (\$25 per tCO ₂ e)	\$86,475

Retirement of Offsets:

In accordance with the requirements of the *Climate Change Accountability Act* and Carbon Neutral Government Regulation, The Chilliwack School District (**the Organization**) is responsible for arranging for the retirement of the offset’s obligation reported above for the 2025 calendar year, together with any adjustments reported for past calendar years (if applicable). The Organization hereby agrees that, in exchange for the Ministry of Energy and Climate Solutions (**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.



Emissions Overview:

Most of our emissions (**66.2 % + 7.71% + 14.7% = 88.61%**) come from our buildings through the burning of natural gas and electrical consumption with the remainder coming from our paper supplies (**4.99%**) and fleet vehicles (**6.37%**).

PART 2. PUBLIC SECTOR LEADERSHIP

2A. Climate Risk Management

Addressing climate change is essential to safeguarding the long-term health, safety, and operational resilience of the School District. A clear understanding of climate-related risks enables informed decision making, proactive planning, and the protection of critical infrastructure, while also helping to manage and reduce future costs. Through strategic planning and targeted investments, the Chilliwack School District has implemented a range of measures to mitigate environmental impacts and enhance climate resilience, including Incorporating flood mitigation strategies into all new construction and expansion projects, in coordination with local authorities. Procuring specialized equipment and developing response strategies to support flood prevention and mitigation efforts. Upgrading ventilation systems with MERV-13 filtration to improve indoor air quality and reduce airborne particulates, particularly during wildfire smoke events. Implementing building management system controls to automatically adjust ventilation during wildfire smoke events, including closing outdoor air dampers and optimizing system operation to limit smoke infiltration while maintaining safe indoor conditions. Implementing water conservation practices, including selective irrigation and the use of drought-tolerant landscaping, to reduce water consumption and strengthen resilience to heat and drought conditions. Designing and constructing buildings with enhanced cooling capacity and climate-adaptive features to address rising temperatures associated with climate change.



2B. Additional Sustainability Initiatives

The district has implemented "Bin be gone" recycling stations that are easily recognizable and accessible to provide convenient locations for recycling. These recycling centers have significantly reduced our overall waste and have played a vital role in minimizing our impact on the environment.



IONIZED FLOOR SCRUBBER AT IMAGINE HIGH

Our custodial operations have adopted ionized water technology to minimize our environmental impact and support eco-friendly cleaning practices across seven critical areas: energy, carbon dioxide emissions, ozone levels, smog, acidification, eutrophication, and particulate matter.

As part of our ongoing commitment to provide clean drinking water while reducing plastic bottle waste, we have been increasing the number of water bottle filling stations throughout the district. These new filtered stations not only offer cleaner and healthier water but also help to minimize the presence of harmful contaminants like lead. By implementing this strategy, we strive to make clean and healthy drinking water accessible to all, while also promoting a more sustainable environment.



BIN BE GONE RECYCLING SYSTEM



2C. Success Stories



In collaboration with Clean B.C., B.C. Hydro, Fortis, and the Ministry, we have successfully implemented numerous projects to reduce Green House Gas emissions. One of our most significant accomplishments is the SEP-funded mechanical boiler upgrade at Sardis Secondary School. With Ministry support and SEP (School Enhancement Program) funding, we replaced an aging boiler plant with a modular high-efficiency boiler system equipped with full DDC additional controls. Through this project we were able to Reduce GHG emissions by 39.5 Tons of CO₂e. Moreover, our heating plants will be controlled by building management software (DDC) that not only optimizes building efficiency but also helps to reduce the district's overall carbon emissions.



Navien Modular Boilers

Executive sign-off:

	May 28, 2026
Signature	Date
Rohan Arul-Pragasam	Superintendent
Name (please print)	Title