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2025 PSO Climate Change Accountability Report

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 2026 and beyond.

Executive Summary

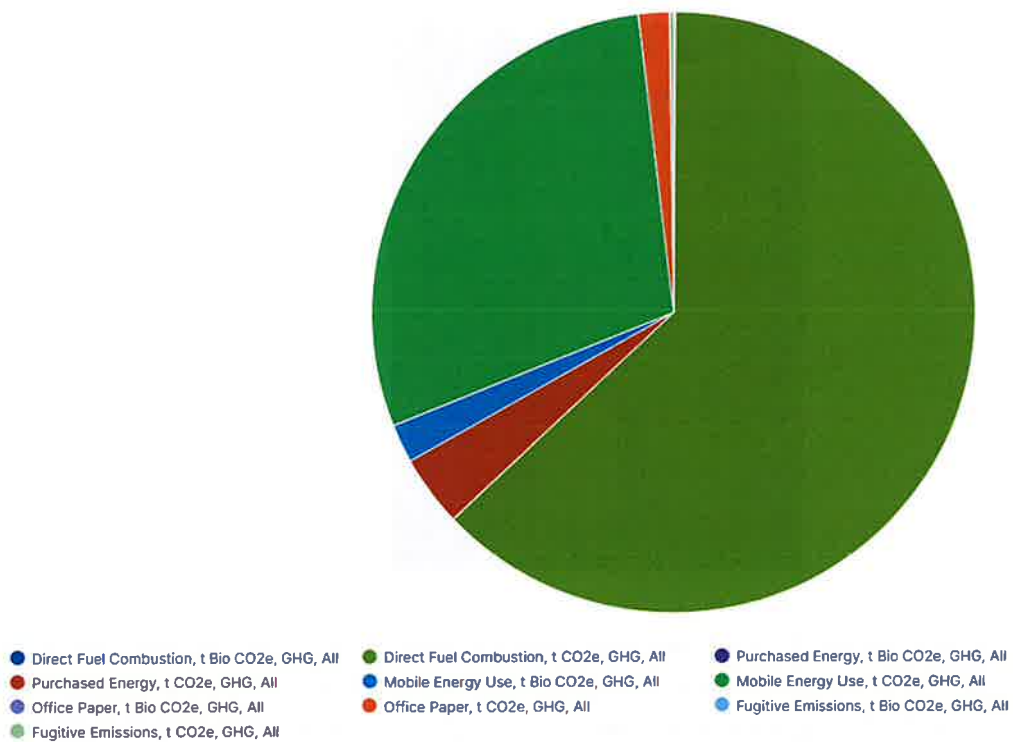
We have continued our efforts in 2025 to reduce our carbon footprint with several impactful projects that positively affect emission levels going forward. Some of the highlights achieved in the past year were:

- LED Lighting and upgrades for Taylor and CM Finch Elementary Schools.
- Upgrading inefficient atmospheric type gas fired boiler systems with highly efficient condensing units in Duncan Cran Elementary.
- Replacement of domestic hot water tanks with on demand units to Anne Roberts Young Elementary.
- Approximately 40% of the windows at Bert Bowes were replaced with energy efficient windows.
- New school build at Wonowon implementing siding and windows (high efficiency) and new condensing boilers
- Solarium retirement at NPSS
- DDC control replacement at the Energetic Learning Center to better control temperatures and reduce our carbon footprint

2025 Greenhouse Gas Emissions

Distribution:

School District 60 - Peace River North (Fort St. John), 2025



Direct Fuel Combustion and Mobile Energy Use account for the majority of GHG emissions in our district.

Actions taken in 2025 to Reduce Emissions

A. Stationary Sources

Heating our buildings is necessary for the majority of the year due to our cold northern climate. We have implemented the following updates to our schools:

- LED lighting upgrades at Taylor and CM Finch schools. This change has saved the District electricity usage and costs.
- Upgraded the HVAC system and DDC at Duncan Cran school. The new condensing boiler plants replaced less efficient boilers. The system controls operating the boilers were changed over.



- Retiring an aging solarium at NPSS has improved energy efficiency. The old structure was a source of heat loss in winter and heat gain in summer, increasing demand on heating and cooling systems. Removing it and restoring the building envelope has reduced energy waste, improved temperature stability, and lowered overall greenhouse gas emissions.
- At Bert Bowes, approximately 40% of the building's windows have been replaced with energy-efficient units, significantly improving insulation and reducing heat loss. This upgrade lowers the demand on heating systems, which reduces overall energy consumption and greenhouse gas emissions. By improving building performance in this way, the school takes another meaningful step toward reducing its carbon footprint and supporting its long-term carbon neutral goals.



Carbon Neutral

School District 60 Peace River North

- The addition at Dr. Kearney School incorporated double-paned energy-efficient windows and heat pumps in the new classrooms. These upgrades improve heating efficiency, reduce fuel consumption and energy costs.
- At Anne Roberts Young School, on-demand water heating was implemented, reducing energy use by heating water only when needed. This eliminates standby losses from storage tanks, lowering overall energy consumption and supporting a reduced carbon footprint.
- The new school build at Wonowon incorporated high-efficiency siding and windows, along with new condensing boilers to improve energy performance.



B. Fleet

This section outlines the composition and status of School District 60's vehicle fleet in the context of carbon neutrality reporting. The fleet consists of 13 light-duty vehicles (LDVs), 28 light-duty trucks (LDTs), and 75 heavy-duty vehicles (HDVs). There were no zero-emission vehicle acquisitions during the 2025 reporting period.



Five New Purchase Thomas Buses for 2025

The new buses we are introducing support our goal of achieving carbon neutrality through several important factors. Although they are powered by diesel, advancements in engine and transmission technology have significantly improved fuel efficiency, resulting in lower CO₂ emissions. The use of lightweight materials in their construction further reduces vehicle weight, enhancing fuel economy. Additionally, manufacturers are adopting more sustainable practices in their production processes by incorporating recycled materials and maintaining greener supply chains, which help minimize the overall carbon footprint of each vehicle. These new buses are also designed with recyclability and long-term efficiency in mind, leading to less environmental impact upon disposal and featuring durable components that decrease the need for frequent replacements.

Current emission mitigation efforts include the implementation of a no-idling policy and adherence to a rigorous scheduled maintenance program as mandated by our DIF Operating Licence. These measures are designed to optimize operational efficiency and minimize emissions from the existing fleet.

We are looking at fleet technology that will support monitoring and taking corrective action around idling, as well as fuel consumption.

The feasibility of a Clean Fleet Plan is significantly impacted by the prevailing infrastructure constraints within the North Peace Region. The decentralized housing of over fifty percent of the bus fleet at rural driver residences, coupled with the logistical challenges and costs associated with establishing and relocating charging infrastructure in response to driver turnover, renders the widespread deployment of zero-emission vehicles impractical at this time.

C. Paper Consumption & Data centers, infrastructure, and Life Cycle procurement.

To support the District's commitment to carbon neutrality and environmental sustainability, several initiatives have been implemented to reduce energy consumption, minimize waste, and improve operational efficiency.

A virtualization strategy continues to be utilized to consolidate physical servers and reduce infrastructure energy demands. In addition, selected workloads have been migrated to cloud-based platforms, leveraging the energy efficiency and optimized resource management provided by large-scale providers such as [Microsoft](#) and [Google](#).

To further reduce energy consumption within district technology systems, traditional hard drives have been replaced with solid-state drives (SSDs), which operate with lower power requirements and improved efficiency. The District is also extending the lifecycle of laptops and desktop computers from four to six years, reducing electronic waste and lowering the environmental impact associated with manufacturing and equipment replacement.

Outdated electronic equipment is responsibly managed and disposed of through certified recycling facilities to ensure proper environmental stewardship and diversion from landfills.

The District has also focused on reducing paper consumption through the adoption of digital systems and sustainable practices. Communication methods have increasingly transitioned to electronic platforms, including online report cards and reports, allowing families to access information digitally. Teachers communicate directly with parents through email, and the accounting department distributes invoices electronically, significantly reducing paper use.

Technology integration within classrooms has further supported these sustainability goals. The use of iPads and digital learning platforms enables students to complete assignments, access learning resources, read digital materials, and submit work electronically, reducing the need for printed worksheets and photocopies. Teachers can distribute educational content and provide feedback through digital applications, creating both environmental and educational benefits.

Across all district facilities, additional initiatives have been implemented to reduce waste, including recycling programs in classrooms and other operational areas. Collectively, these efforts contribute to the District's broader objective of reducing its environmental footprint and advancing toward a more sustainable and carbon-neutral future.

Plans to Continue Reducing Emissions

We will continue our commitment to reducing emissions for the following year by upgrading HVAC systems, LED retrofit and controls various at schools. Insulation in schools will be increased, and we will be identifying and replacing any leaks in buildings.

To support the District's commitment to carbon neutrality and long-term environmental sustainability, schools will continue implementing daily practices and comprehensive programs designed to educate and engage both staff and students in reducing greenhouse gas emissions and minimizing environmental impacts.

These initiatives include a range of activities that promote environmental awareness and sustainable behaviors, such as recycling programs, outdoor gardening projects, schoolyard clean-up activities, and walking field trips where feasible as an alternative to bus transportation. These efforts encourage active participation in sustainability practices while helping reduce our overall carbon footprint.

The District has also implemented several energy conservation measures across school facilities to reduce energy consumption and improve operational efficiency. These initiatives include the establishment of idle-free zones, installation of motion-sensor lighting systems, use of air dryers to reduce paper product consumption, and the adoption of additional energy-efficient practices throughout district sites. We are in the process of reviewing software to track vehicle mileage and fuel consumption to decrease unnecessary fuel usage.

We continue to monitor and evaluate the performance and impact of solar rooftop panels installed at North Peace Secondary School. Future plans include implementing real-time monitoring capabilities to enhance educational opportunities and further promote awareness of energy conservation and responsible energy use.

2025 GHG Emissions and Offsets Summary Table

School District 60 2025 GHG Emissions and Offsets Summary	
GHG emissions for the period January 1 - December 31, 2025	
Total BioCO ₂	93.4
Total Emissions (tCO ₂ e)	4362
Total Offsets (tCO ₂ e)	3244
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)	3244
Offset Investment (\$)	
[Grand Total Offsets to be Retired for 2024 Reporting Year x \$25 per tCO ₂ e]	3244 x \$25 = \$81,100

Retirement of Offsets:

In accordance with the requirements of the *Climate Change Accountability Act* and the Carbon Neutral Government Regulation, School District 60 (**the Organization**) is responsible for arranging for the retirement of the offsets 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.

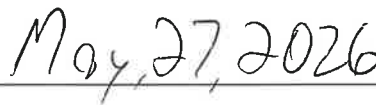
Executive Sign-off:

[All PSOs, including Small Emitters, must have their final report signed by a senior official, such as CEO, COO or Superintendent]



Signature

Angela Telford



Date

Secretary Treasurer

Name (please print)

Title

[Please email your signed report to Carbon.Neutral@gov.bc.ca]