



2021 PSO Climate Change Accountability Report

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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 actions we have taken in 2021 to reduce our GHG emissions, and our plans to continue reducing emissions in 2022 and beyond.

Overview

On behalf of School District No. 35 (Langley), we are pleased to submit our CCAR for 2021. The purpose of the CCAR is to demonstrate our District's ongoing commitment to the reduction of our GHGs. Our Board continues to work diligently to improve the learning environment for students and staff while reducing our carbon footprint.

In 2021, the new Donna Gabriel Robins Elementary school was opened and was designed to operate with low carbon emissions and high efficiency by utilizing heat pump technology. We also retrofitted all interior lights at Langley Fine Arts, HD Stafford Middle and Maintenance Facilities to LED lights. With instructional schedules and facility rentals returning closer to pre-pandemic levels our electrical and natural gas consumption has decreased by 6% and 7% respectively compared to 2019 consumption even while maintaining increased demands in ventilation. Our Sustainable Digital Transformation plan has been very successful and has reduced paper consumption by 40% compared to 2019.

In 2022, we will continue with our Strategic Energy Management Plan to upgrade interior lighting at 14 elementary schools and continue to strive towards reducing our carbon emissions. We plan to purchase 4 electric vehicles and replace 2 roof top units with heat pump technology. We expect the supply chain challenges experienced in 2021 to continue into 2022 but we are hopeful these projects can be completed on time and within budget.

Looking at the years ahead we will continue to assess options for implementing electric vehicles to reduce our carbon emissions. In addition, we will continue to explore replacing old inefficient boilers with new low carbon technologies to meet our goal of 50% GHG emissions reductions by 2030.



Mal Gill
Superintendent of Schools

May 26, 2022

Emissions and Offsets Summary Table

School District No.35 (Langley) 2020 GHG Emissions and Offsets	
GHG Emissions created in Calendar Year 2021	
Total Emissions (tCO ₂ e)	5,498
Total BioCO ₂	20.1
Total Offsets (tCO ₂ e)	5,231
Adjustments to Offset Required GHG Emissions Reported in Prior Years	
Total Offsets Adjustment (tCO ₂ e)	0
Grand Total Offsets for the 2020 Reporting Year	
Grand Total Offsets (tCO ₂ e) to be Retired for 2020 Reporting Year	5,231
Offset Investment (\$25 per tCO ₂ e)	\$130,775

- i. *[Note, BioCO₂ is included in Total Emissions but not Total Offsets. For K-12 and Post-Secondary organizations, and BC Transit, Total Offsets will not equal Total Emissions minus Total BioCO₂ because offset exempt emissions for buses are included within Total Emissions.]*
- ii. *Emissions and offset investment amounts will be validated by CAS prior to distributing invoices.*

Retirement of Offsets

In accordance with the requirements of the *Climate Change Accountability Act* and Carbon Neutral Government Regulation, School District No.35 (Langley) (**the Organization**) 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.