



2020 PSO Climate Change Accountability Report School District No. 51 (Boundary)

DECLARATION STATEMENT

Title: 2020 PSO Climate Change Accountability Report

Organization: Board of Education of School District No. 51 (Boundary)

Declaration Statement: This Climate Change Accountability Report for the period January 1, 2020 to December 31, 2020 summarizes our emissions profile, the total offsets to reach net-zero emissions, the actions we have taken in 2020 to reduce our greenhouse gas emissions and our plans to continue reducing emissions in 2021 and beyond.

The Board of Education of School District No. 51 (Boundary) continues to believe that we should all be lifelong learners and, as a District, we try to cultivate a respect for our environment that will follow our students into adulthood. We believe that the District and its schools have a unique opportunity to reinforce positive environmental concepts that will enhance the relationship between living things and their natural and built surroundings.

By June 30, 2021 School District No. 51 (Boundary) final 2020 Climate Change Accountability Report will be posted to our website at www.sd51.bc.ca.



OVERVIEW OF ACTIONS TAKEN IN 2020

The actions School District No. 51 (Boundary) took in 2020 to improve our efficiencies and help reduce our footprint were:

- Upgraded an air handling unit at Boundary Central Secondary;
- Improved air leakage at West Boundary Elementary in wall systems;
- Added high efficiency ductless HVAC units at Perley Elementary and Grand Forks Secondary;
- Rebuilt a chiller at Perley;
- Added heat recovery ventilators at Perley and Hutton Elementary schools;
- Replaced some interior lighting with LED at Christina Lake Elementary;
- Replaced some exterior lighting with LED at Perley;
- Installed touch free faucets in all washrooms across the District; and
- Replaced a 3/4 ton gas truck with a fully electric car.

PLANS FOR REDUCING EMISSIONS IN 2021

In 2021, School District No. 51 (Boundary) plans to continue to find ways to move forward with energy saving upgrades. We are currently undergoing energy audits at our three largest energy using facilities and an electrical audit at another site. The outcome of these audits, along with the recommendations, will help form our 5-year energy reduction plan.

Additional plans to help reduce emissions include: LED lighting upgrades, adding lighting dimming and occupancy controls, increasing water efficiency through plumbing upgrades, installing variable refrigerant flow equipment and on-demand ventilation controls, and upgrading pumps to variable frequency drives, heating lock outs, variable hot water supply temperature set points, direct digital controls and irrigation controls.

Over the long term, our plans include: adding insulation to exterior of buildings, upgrading windows and exterior doors, replacing roofing with 2-ply SBS when up for replacement, HVAC low temperature boiler upgrades, and HVAC room unit upgrades to match the upgraded low temperature boilers.

Actions to reduce emissions from mobile sources includes replacing older less efficient vehicles with newer hybrid or electric vehicles. We also aim plan to reduce the fleet size, as well as reduce travel time with a more efficient maintenance schedule.

The District is also looking into the use of solar and batteries to get as close to zero emissions as possible as a long term goal.

SUCCESS STORIES IN 2020

We are continuing to see consistent trends within our school communities to promote a lifelong habit of recycling and assign importance to a proactive lifestyle. We see schools continuing to teach and promote recycling, in particular of paper and plastics, as well as creating jobs in the “classroom economy” such as “paying “ a student to be the light flicker (turn off the lights of rooms not occupied). We also continue to offer an Environmental Science class as part of the high school curriculum.

School District No. 51 (Boundary) also continues to promote an active lifestyle and we continue to see staff members choosing to walk, ride their bikes or commute together to work. This trend is seeing uptake within the student community as well.

2020 has challenged school communities to find alternate ways to hold meetings, interviews, professional development events and more. As such, we have seen reduced travel as well as a reduction in paper consumption in 2020.

2020 GREENHOUSE GAS EMISSIONS AND OFFSETS APPLIED TO BECOME CARBON NEUTRAL

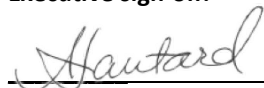
<i>School District No. 51 (Boundary) 2020 GHG Emissions and Offsets</i>	
GHG Emissions created in Calendar Year 2020	
<i>[See Appendix 1 for instructions on how to access your 2020 emissions data from the Clean Government Reporting Tool (CGRT). Cells A through E below are identified in Appendix 1.]</i>	
Total Emissions (tCO ₂ e)	863
Total BioCO ₂	8.2
Total Offsets (tCO ₂ e)	697
Adjustments to Offset Required GHG Emissions Reported in Prior Years	
Total Offsets Adjustment (tCO ₂ e)	24
Grand Total Offsets for the 2020 Reporting Year	
Grand Total Offsets (tCO ₂ e) to be Retired for 2020 Reporting Year	721
Offset Investment (\$25 per tCO ₂ e) <i>[Grand Total Offsets to be Retired x \$25/ tCO₂e]</i>	\$18,025

[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. Emissions and offset investment amounts will be validated by CAS prior to distributing invoices. You must round "Grand Total Offsets to be Retired" (Cell D + Cell E) to a whole number (no decimal places be before multiplying by \$25 .

Retirement of Offsets:

In accordance with the requirements of the *Climate Change Accountability Act* and Carbon Neutral Government Regulation, *School District No. 51 (Boundary)* is responsible for arranging for the retirement of the offsets obligation reported above for the 2020 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:



Signature

May 15, 2021

Date

Anna Lautard

Name (please print)

Acting Superintendent

Title