



SD28 Quesnel
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SCHOOL DISTRICT NO. 28 (QUESNEL) 2022 PSO CLIMATE CHANGE ACCOUNTABILITY REPORT

Title: 2022 PSO Climate Change Accountability Report

Organization: School District No. 28 (Quesnel)

PART 1. Legislative Reporting Requirements

*[Information provided in this section will complete PSOs' legislative reporting requirements under the [Climate Change Accountability Act \(section 8.1\)](#) and the [Carbon Neutral Government \(CNG\) Regulation](#). **Part 1 must be completed in full by all PSOs, including Small Emitters.**]*

Declaration statement: This PSO Climate Change Accountability Report for the period January 1, 2022 to December 31, 2022 summarizes our greenhouse gas (GHG) emissions profile, the total offsets to reach net-zero emissions, the actions we have taken in 2022 to minimize our GHG emissions, and our plans to continue reducing emissions in 2023 and beyond.

Emission Reductions: Actions & Plans

We have replaced LED lighting at Riverview, Voyageur and Lakeview Elementary. We completed an exterior envelope upgrade at Lakeview Elementary and will be completing Nazko Elementary next year.

A. Stationary Sources (e.g. buildings, power generation)

We will continue to apply every year for grants that are targeted at reducing our Carbon footprint. Each year we will apply for new buildings to replace high energy consumption buildings.

We have Direct Digital Control System in place now for all buildings.

We have an elementary school that is being monitored by a Geotechnical company due to unstable soils. As we begin steps towards a replacement, we have asked all proposals be submitted with a GHG reductions strategy and climate risk factors such as wildfires, heatwaves and floods are addressed as part of building innovative and resilient schools. Any RFPs would also include making sure Goldstar LEEDs equivalent.

Upgrading of HVAC continues through Carbon Neutral Capital Program Grants.

B. Mobile Sources (e.g. fleet vehicles, off-road/portable equipment)

Our district has not acquired any zero emission vehicles in 2022. A new backhoe/loader and skidsteer have been acquired in 2022/23 with emission reduction options and controls, which will continue to be monitored as older equipment is replaced.

Our district has a 'no idle' policy, #850, which is also included in the Bus Drivers' Handbook. The policy is to establish guidelines for unnecessary idling of School District vehicles and equipment. Posters are also up at the District Office and school sites to reflect "no-idling".

We have started to look at infrastructure upgrades including electrical panel upgrades, however the District at this time is not looking at electric fleet vehicles as they have not been tested in the North. It would not be feasible at this time due to a number of factors like battery cost and life, services available and even if they were under warranty what would the costs be to have the busses taken in for service and how long would they be out of service for. Further costs such as training for staff/mechanics etc. Charging stations and Hydro costs are also a concern in the North

We do not have a Clean Fleet Plan at this time.

C. Paper Consumption

Our District has been using Papercut and we now have the ability to review usage and look at ways to reduce paper at our sites. Our paper continues to be purchased locally with the best percentage of recycled content.

Once a report has been prepared and reviewed by site we will be better able to develop policies for further reduction of paper usage and moving towards more files being archived digitally.

Students continue to be encouraged to follow lessons and save work digitally.

2022 GHG Emissions and Offsets Summary Table

[Please see [Appendix 1](#) for instructions on populating this table with the “CCAR 2022” CGRT Report. The table separates biogenic emissions (BioCO₂) from total emissions, as per international emissions reporting protocols.

Tip: Print pages 9 to 11 of this document, or view in a split or new window (if you have more than one screen); these pages contain the instructions on how to acquire the data to complete the following table.]

[Organization Name] 2022 GHG Emissions and Offsets Summary	
GHG emissions for the period January 1 - December 31, 2022 [See Appendix 1 for instructions on how to access your 2022 emissions data from CGRT. Cells A and B below are identified in Figure 1 ; cells C and D are identified in Figure 2 .]	
Total BioCO ₂	47.1
Total Emissions (tCO ₂ e)	2157
Total Offsets (tCO ₂ e)	1034
Adjustments to Offset Required GHG Emissions Reported in Prior Years	
Total Offsets Adjustment (tCO ₂ e)	0
Grand Total Offsets for the 2022 Reporting Year	
Grand Total Offsets to be Retired for 2022 Reporting Year (tCO ₂ e) [must round to a whole number (no decimal places)]	1034
Offset Investment (\$) [Grand Total Offsets to be Retired for 2022 Reporting Year x \$25 per tCO ₂ e]	1034 x \$25

- [Note, BioCO₂ is included in Total Emissions but not Total Offsets. For K-12 and Post-Secondary organizations, and BC Transit, Total Offsets might 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” to a whole number (no decimal places) before multiplying by \$25 (e.g., 43.2 is rounded to 43, while 43.5 is rounded 44).]

Retirement of Offsets:

In accordance with the requirements of the *Climate Change Accountability Act* and Carbon Neutral Government Regulation, School District No. 28 Quesnel (**the Organization**) is responsible for arranging for the retirement of the offsets obligation reported above for the 2022 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.

PART 2. Public Sector Climate Leadership

2A. Climate Risk Management

The district has not conducted a climate risk assessment, however, we have received a project definition report for the replacement of an Elementary School that has been identified as needing to be relocated due to unstable soils.

We continue to meet with the Ministry of Transportation and Infrastructure and the City of Quesnel to prepare for future climate impacts and address greenhouse gas emission reduction strategies in the community and have had Geotechnical assessments down where school sites have been identified as at risk.

Some operational procedures such as fire resistant roofing, filter checks and digital direct control of heating/cooling for buildings are in place that have been driven by climate change and continue to be monitored.

The District did incur extra expense last year for costs to have the Geotechnical company monitor the slide area at Carson Elementary.

2B. Other Sustainability Initiatives

Our district does not have a low-carbon business travel policy, however carpooling etc is encouraged. We have an environmental policy whereby the Board expects that purchasing decisions shall consider environmentally friendly materials wherever feasible and the use of ecologically damaging materials shall be avoided, if possible new purchases are made ie; office furniture, fleet etc. Purchases are being monitored for what is available in the North.

We continue to have programs in place to reduce building occupant waste from landfills including battery recycling, industrial plastic collection, computer recycling etc and each site has composting and recycling that best suits their school needs. Students and staff are made cognizant of their energy use and material consumption.

2C. Success Stories

The new middle school, QJS, continues to be the biggest emission reduction project undertaken by our District in 2022. The building has 2 water to water air source heat pumps which has lowered the amount of natural gas consumed to heat the building. QJS is now equipped with water metering, but it has not been enforced yet. Solar electric panes are in place with the maximum amount allowed by BC Hydro, which offsets hydro consumption in the building and allows to sell back to the grid in off times.

Executive Sign-off:

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

J. Woollends
Signature

May 31. 2023
Date

Jennifer Woollends
Name (please print)

Secretary-Treasurer SD #28
Title

[Please email your signed report to Carbon.Neutral@gov.bc.ca by no later than May 31, 2023.]