



[Below is the 2023 PSO CCAR template. All text in grey italics is provided for the information/guidance of PSOs and should be deleted or replaced with information specific to your organization.]

PSOs have full ownership over the look and formatting of the PSO CCAR; you may adjust the template below to meet your organization's specific needs, so long as your PSO CCAR includes the Minimum Report Requirements noted above.]

SCHOOL DISTRICT NO. 28 (QUESNEL) 2023 PSO Climate Change Accountability Report

Title: 2023 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, 2023 to December 31, 2023 summarizes our greenhouse gas (GHG) emissions profile, the total offsets to reach net-zero emissions, the actions we have taken in 2023 to minimize our GHG emissions, and our plans to continue reducing emissions in 2024 and beyond.

Emission Reductions: Actions & Plans

We have replaced LED Lighting at Nazko and Barlow Creek Elementary. We installed new rooftop heating at Dragon Lake Elementary.

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

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We continue to apply for grants that are targeted at reducing our Carbon footprint every year. We also apply for new buildings to replace high energy consumption buildings. Upgrading of HVAC continues through Carbon Neutral Capital Program Grants.

Monitoring continues by a Geotechnical company at Carson Elementary and a new build is scheduled for 2024. We will also be completing and exterior envelope at Bouchie Lake Elementary in 2024 and have a boiler upgrade plan.

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

Our district has not acquired any zero emission vehicles in 2023.

We have conducted some feasibility studies around electrical panel upgrades and charging stations but at this time have no Clean Fleet Plan.

We have completed optimization of bus routes, which has resulted in 1/26 less fuel consumption and continue to follow our district policy #850 for unnecessary idling of School District vehicles and equipment.

We are looking at grants available through 2024 Clean BC to assist with site surveys and electrical panel upgrades.

C. Paper Consumption

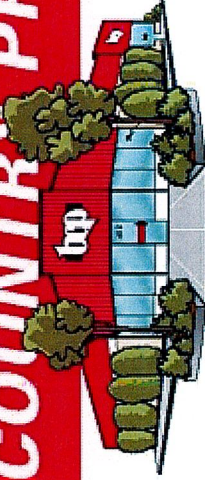
We continue to encourage ways to reduce paper at all sites and are developing practices to encourage digital archiving of files. Students are always encouraged to save work electronically.

We continue to purchase our paper locally with the best percentage of recycled content and inquired about other fiber sources for paper (ie: hemp, sugar cane) etc. and have attached a letter from our current supplier, which outlines the quality of the paper we currently receive. (See below).

Carbon Neutral



BIG COUNTRY PRINTERS LTD.



ph: 250-992-7313
fx: 250-992-5226
tf: 1-888-228-9917

402 St. Laurent Avenue,
Quesnel, BC V2J 5S8

www.bigcountryprinters.com

May 27, 2024

Denice Bardua
School District 28 Quesnel
401 North Star Road
Quesnel BC V2J 5K2

Re: Multi Use Paper

Dear Denice,

Thank you for your inquiry regarding the sustainability and carbon footprint of the quality paper we supply. At Big Country Printers we strive for excellence in all aspects of the products we produce and supply, this includes both environmental and social responsibility in addition to usability, quality, value and practices.

The multi-use paper we have been supplying School District 28; EarthChoice30 (30% recycled by Domtar) and Rolland Enviro Copy (100% recycled by Sustana) both meet these high standards. Domtar and Sustana both operate plants within Canada, using North American sourced fibers harvested and transported using the highest sustainable practices. This ensures a low carbon footprint and responsible use of energy and minimal impact to the environment. Further information on their practices and be found at sustanasolutions.com and www.domtar.com. Attached is an info sheet from Domtar outlining the full use of a harvested tree.

Though there are other fiber sources for paper production, such as sugar cane, they are produced in far away countries such as Columbia and India which do not necessarily adhere to the same environmental, labour and social standards of Canada and North America. Furthermore, their far away locations require significant transportation further increasing their carbon footprint.

In summary, in our opinion both the Rolland Enviro Copy and EarthChoice30 papers are the most environmentally and socially responsible products available at this time.

Sincerely,

PAPER AND OTHER PRODUCTS COME FROM THE HIGHLY EFFICIENT USE OF A TREE.

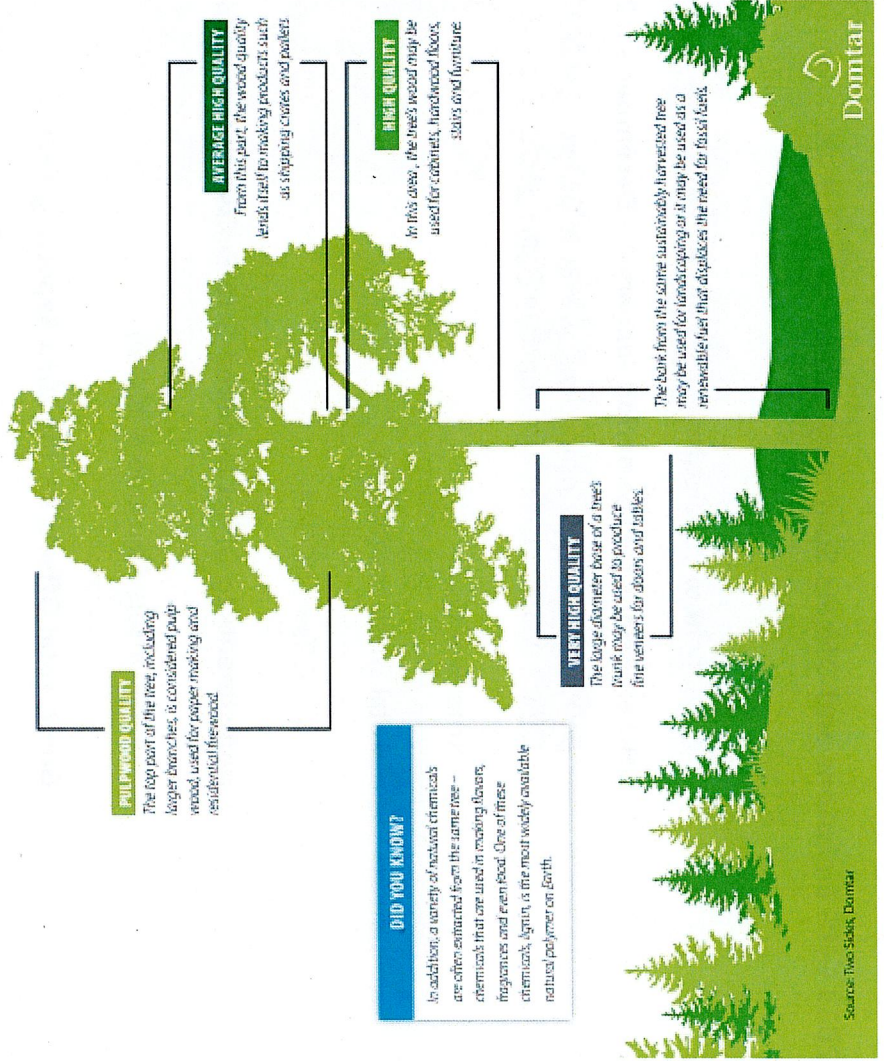
Sustainably harvesting trees to make paper products doesn't cause deforestation, defined as the permanent conversion of forests to other land uses. Trees will grow back. According to the UN, Food and Agriculture Organization, net U.S. forest area increased by 18 million acres over the past 30 years despite deforestation from urban development.

Forests are the source of the everyday paper and pulp products that Domtar provides consumers.

It may be surprising, but the vast majority of wood used in our production line is residue from the tree trunk (sawdust and wood chips) after it has been used by other industries in producing construction lumber, fine veneer flooring, doors and tables and production of stairs, furniture, cabinets, shipping crates and pallets.

Tree bark, branches and the tree canopy are also used in Domtar's processes.

BREAKDOWN OF A TYPICAL HARVESTED TREE



2023 GHG Emissions and Offsets Summary Table

School District No. 28 (Quesnel) 2023 GHG Emissions and Offsets Summary	
GHG emissions for the period January 1 - December 31, 2023	
<i>[See Appendix 1 for instructions on how to access your 2023 emissions data from CGRT. Cells A and B below are identified in Figure 1; cells C and D are identified in Figure 2.]</i>	
Total BioCO ₂	26.6
Total Emissions (tCO ₂ e)	1526
Total Offsets (tCO ₂ e)	913
Adjustments to Offset Required GHG Emissions Reported in Prior Years	
Total Offsets Adjustment (tCO ₂ e)	0
Grand Total Offsets for the 2023 Reporting Year	
Grand Total Offsets to be Retired for 2023 Reporting Year (tCO ₂ e) <i>[must round to a whole number (no decimal places)]</i>	913
Offset Investment (\$) <i>[Grand Total Offsets to be Retired for 2023 Reporting Year x \$25 per tCO₂e]</i>	913 x \$25

- i. *[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.]*
- ii. *Emissions and offset investment amounts will be validated by CAS prior to distributing invoices.*
- iii. *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).]*

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Retirement of Offsets:

In accordance with the requirements of the *Climate Change Accountability Act* and the 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 2023 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, a committee has been formed to review the organization's risk related to climate, particularly wildfire that will continue to meet in 2024.

The District continues to meet with the Ministry of Transportation and Infrastructure and the City of Quesnel to prepare for future climate impacts. Geotechnical assessments continue where school sites have been identified as at risk.

Operational procedures continue for fire resistant roofing and siding, filter checks and digital direct control of heating/cooling for buildings. The District did not incur any extra expenses in 2023 to adapt to climate change.

2B. Other Sustainability Initiatives

The District does not have any business travel policies in place, but carpooling is still encouraged.

Programs are in place to reduce building occupant waste from landfills including battery recycling, industrial plastic collection, computer recycling and each school/site has composting and recycling that best suits them. Staff and students are made cognizant of their energy use, ie turning off lights, paper usage reduction etc and material consumption.

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Water meters have been installed at 2 elementary schools, Bouchie Lake and Parkland and are being monitored. Both sites have water hauled for usage. At Quesnel Junior School, the water meters are installed and monitored but nothing has been enforced by the City to pay for usage as we are just billed at flat rate at this time.

2C. Success Stories

The District has 2 notable success stories for 2023. Lakeview Elementary, pictured on the cover page, underwent an exterior envelope upgrade, which has extremely reduced gas consumption at this site. Fire resistant materials were used for siding and roofing.

In October, 2023, the solar panels that were installed at the newly built Junior School started operation and are being monitored. There is not enough data collected yet to get any final dollar figures for the savings in time for this reporting period.

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

May 31/24
Date

Suzanne Bolin
Name (please print)

Director of Instruction
Title

[Please email your signed report to Carbon.Neutral@gov.bc.ca by no later than May 31, 2024.]