

2023

Public Sector Organization

Climate Change Accountability Report



DECLARATION

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 reduce our GHG emissions, and our plans to continue reducing emissions in 2024 and beyond.

OVERVIEW

SD62 emitted 2,113 tCO₂e in 2023, across buildings, mobile (fleet), and paper consumption. Figure 1 shows the breakdown per type for the 2023 year. To achieve carbon neutrality, SD62 paid \$42,000 + GST in carbon offsets.

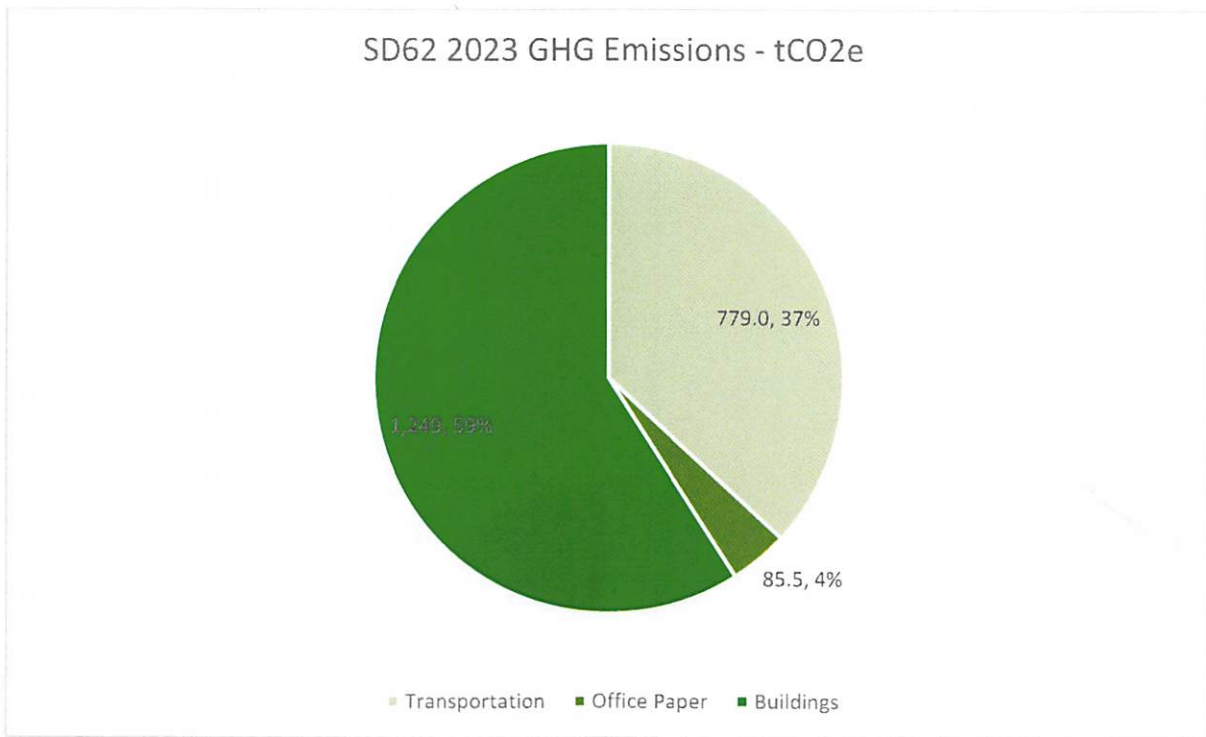


Figure 1 2023 GHG emissions by type.

EMISSION REDUCTIONS: ACTIONS & PLANS

In 2021, SD62 created an Energy and Sustainability Plan. The plan describes strategies, goals, roadmaps, and recommendations to achieve future energy savings and greenhouse gas emission reductions. GHG reduction targets for BC's education sector are summarized below, along with SD62's 2010 Baseline and 2023 current performance.

Table 1: SD62 sectoral GHG targets. 2030 milestone with respect to 2010 baseline. ¹

Milestone	Facilities	Fleet (Mobile)	Paper	Total
Target Reduction by 2030	59 - 64%	27 - 32%	59 - 64%	
Target GHGs by 2030, tCO2e	863 - 757	513 - 478	43 - 38	1,419 - 1,274
SD62 2010 Baseline, tCO2e	2043	703	106	2852
SD62 2023, tCO2e	1249	779	85	2113
2023, % change from base year	39%	-10%	19%	26%

Error! Reference source not found. shows SD62's historic annual GHG emission trends including the 2030 climate action goal. Overall reductions for 2023 with respect to the 2010 baseline are 26%. This reduction spans the categories by 39%, -10%, and 19% for buildings, mobile (fleet), and paper respectively. The illustration shows that despite the increase in student population and facilities, SD62 continues to reduce their carbon footprint.

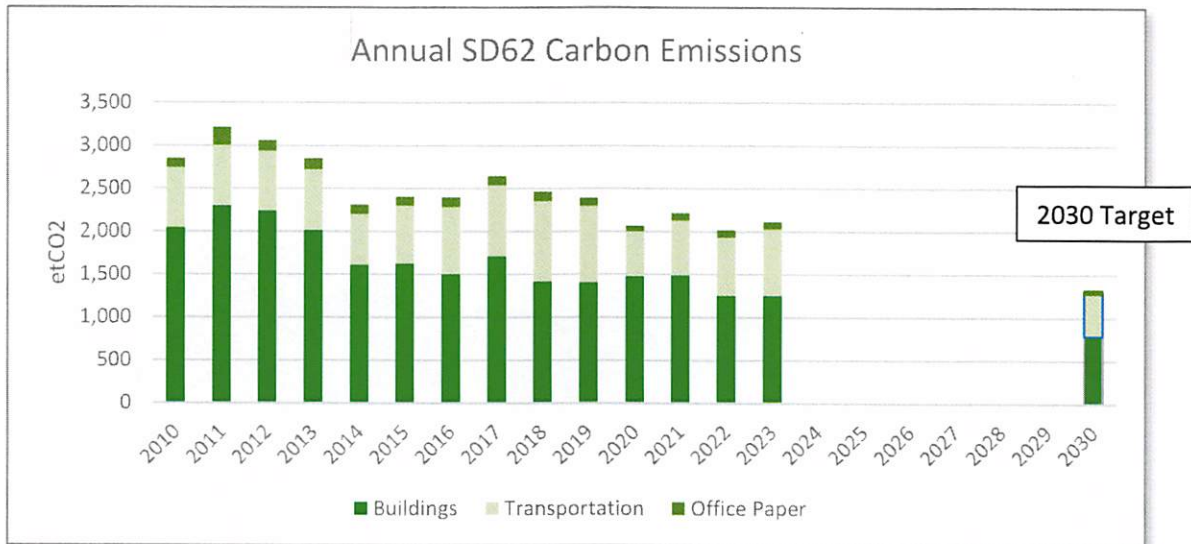


Figure 2: SD62 Historic GHG emissions including 2030 target.

¹ <https://news.gov.bc.ca/releases/2021ENV0022-000561>

BUILDINGS

Buildings constitute SD62's largest GHG emissions, and therefore require the largest capital investment to achieve desired reductions. SD62 continues its success in securing ministry funding through the School Enhancement Program and Carbon Neutral Capital Program. Figure 3 summarizes 2023 completed projects.

Site	Upgrade
Spencer Middle	Electrification of heating system with an Air Source Heat Pump. Phase 3 of 3 completed.
John Muir Elementary	Electrification of heating system by upgrading natural gas furnaces to ASHP/electric unit ventilators, including envelope upgrade. Phase 1 of 3 completed.
Savory Elementary	LED Upgrade

Figure 3: SD62 2023 completed projects.

Figure 4 shows the projects planned for construction in 2024.

Site	Upgrade
Willway Elementary	Electrification of heating system with an Air Source Heat Pump. Phase 1 of 3.
John Muir Elementary	Electrification of heating system by upgrading natural gas furnaces to ASHP/electric unit ventilators, including envelope upgrade. Phase 2 of 3.
John Muir Elementary	LED Upgrade

Figure 4: SD62 2024 Planned projects.

Projects being planned for 2025 and beyond are summarized below.

Upgrade	Sites
Heating plant retrofits	Willway Elementary School Savory Elementary School Wishart Elementary Crystal View Elementary Happy Valley Elementary Ruth King Elementary
Unit ventilator replacement Electrification Natural gas furnace to air source heat pump	Millstream Elementary Sangster Elementary Saseenos Elementary Edward Milne Secondary

FLEET

2023 saw an expansion of SD62's yellow fleet with the addition of seven electric buses. Five further EV buses have been approved for 2024. Planning for a white fleet EV transition is also underway.

PAPER

A reduction in paper consumption will be advocated by an ongoing "digital" vs printing campaign. The purchase of 30%-100% recycled content paper is also continuing to increase.

SUMMARY TABLE

SD62 2023 GHG Emissions and Offsets Summary

GHG emissions for the period January 1 - December 31, 2023

Total BioCO2	33
Total Emissions (tCO2e)	2,113
Total Offsets (tCO2e)	1,680

Adjustments to Offset Required GHG Emissions Reported in Prior Years

Total Offsets Adjustment (tCO2e)	0
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Grand Total Offsets for the 2023 Reporting Year

Grand Total Offsets to be Retired for 2023 Reporting Year (tCO2e)	1,680
Offset Investment (\$25 per tCO2e)	\$ 42,000

RETIREMENT OF OFFSETS

In accordance with the requirements of the *Climate Change Accountability Act* and Carbon Neutral Government Regulation, School District #62 (Sooke) (**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.

EXECUTIVE SIGN-OFF



Signature

Harold Cull

Name (Please print)

June 3/24

Date

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Title