



**2023 PSO CLIMATE CHANGE
ACCOUNTABILITY REPORT
SCHOOL DISTRICT NO. 67
(OKANAGAN SKAHA)**





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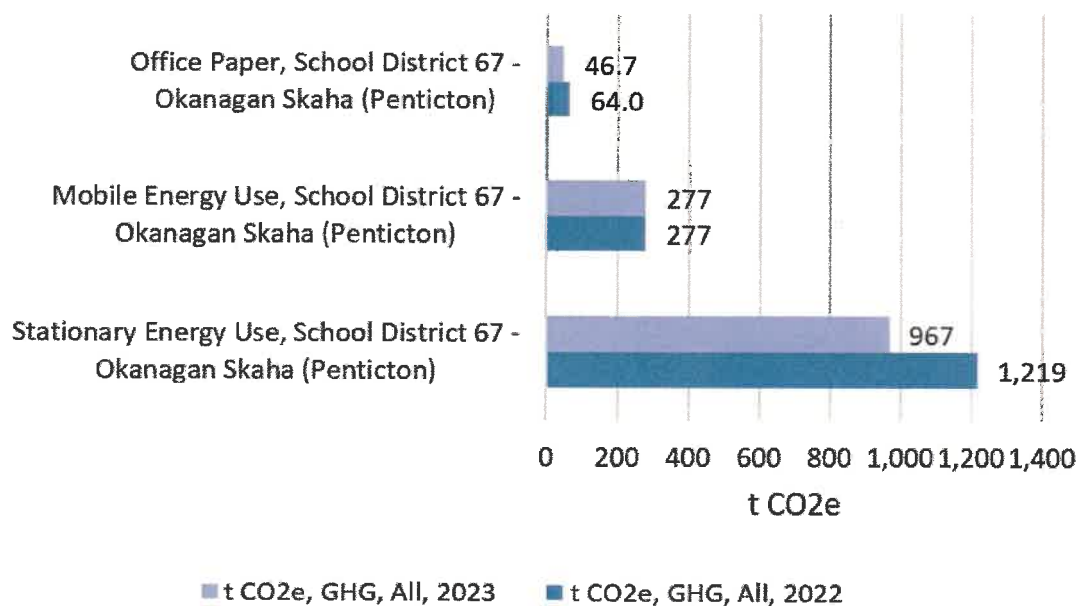
PART 1. LEGISLATIVE REPORTING REQUIREMENTS

Declaration Statement

This PSO Climate Change Accountability Report for the period January 1, 2023 to December 31, 2023 summarizes School District No. 67’s greenhouse gas (GHG) emissions profile, the total offsets to reach net-zero emissions, the actions School District No. 67 has taken in 2023 to minimize our GHG emissions, and the District’s plans to continue reducing emissions in 2024 and beyond.

Emission Reductions: Actions & Plans

From January 1, 2023 to December 31, 2023, School District No. 67 (“the District”) produced a total of 1,300 tonnes of carbon dioxide equivalent (tCO_{2e}) of emissions. 967 tCO_{2e}, came from stationary energy, such as heating, air conditioning, and lighting. 277 tCO_{2e} were derived from mobile energy, such as maintenance vehicles, grounds equipment, and school buses. 46.7 tCO_{2e} came from paper supplies.





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

The District continues to reduce its carbon emissions. Over the last year, capital funds have been allocated to enhance GHG reducing projects and the District will continue to target upgrades to mechanical and electrical systems.

KVR new pump



KVR new fan coil



Lighting upgrade in gym

The Maintenance Department will continue to work on the lighting upgrade for the school gyms.

2023-24 Projects

- KVR Middle – Phase 2- mechanical system upgrade (complete flush of the existing piping, new ePIV valves throughout, and removal of the chiller).
- Queen’s Park Elementary – Phase 1 – mechanical system upgrade - 11 new RTU’s added with DDC controls.
- Skaha Lake Middle – Gym lighting upgrade with LED fixtures.
- Summerland Middle – Gym lighting upgrade with LED fixtures.
- Penticton Secondary – Gym lighting upgrade with LED fixtures.

2024-25 Projects

- KVR Middle – Phase 3 – mechanical system upgrade (new air source heat pump will be installed).
- Queen’s Park Elementary – Phase 2 - mechanical system upgrade - 11 new RTU’s added, with DDC controls.
- Naramata Elementary – HVAC DDC controls have been upgraded.
- West Bench Elementary – re-roof with addition of polyiso insulation.
- Princess Margaret Secondary – A section of the roof re-done with addition of polyiso insulation.

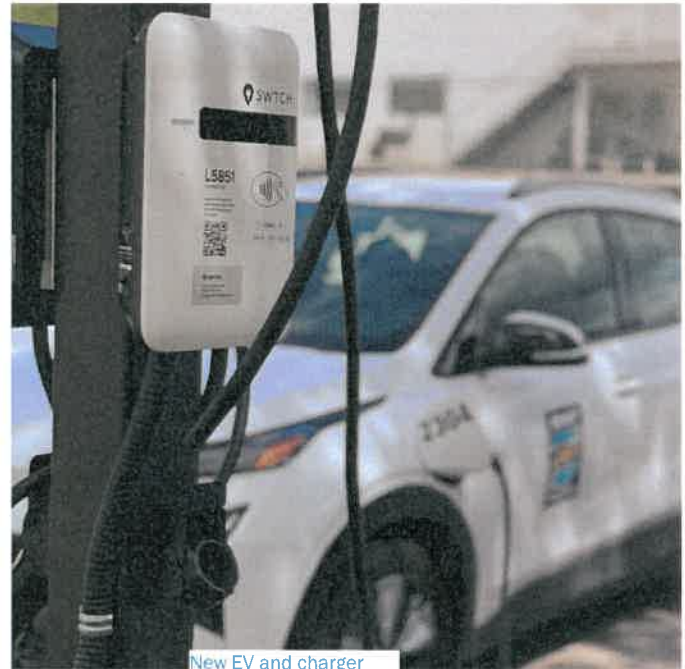


B. Mobile Sources (e.g. fleet vehicles, off-road/portable equipment)

The District has expanded its fleet of zero-emission vehicles (ZEVs).

In 2023, the District added four new electric cars for the maintenance and information technology departments.

The District has also installed three charging stations: one at the District School Board Office, one at the maintenance office, and one at the Summerland bus yard. The District should continue to see a decrease in GHG emissions with the addition of zero emission vehicles.



The District will continue to add EV Vehicles to its fleet as electric trucks and vans are made available.

C. Paper Consumption

The District's paper consumption has increased 10% from 2022. The District continues to use Planet Earth to recycle textbooks, books, and stapled content. The District has recycled 12,549 books in the last year, keeping them out of the landfill.



2023 GHG Emissions and Offsets Summary Table

School District No. 67 2023 GHG Emissions and Offsets Summary	
GHG emissions for the period January 1 - December 31, 2023	
Total BioCO ₂	10.1
Total Emissions (tCO ₂ e)	1300
Total Offsets (tCO ₂ e)	1123
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)	1123
Offset Investment (\$)	\$ 28,075

Retirement of Offsets:

In accordance with the requirements of the *Climate Change Accountability Act* and Carbon Neutral Government Regulation, School District No. 67 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 District hereby agrees that, in exchange for the Ministry of Environment and Climate Change Strategy ensuring that these offsets are retired on the District's behalf, the District 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

School District No. 67 is continuing to lead, explore and implement different options to reduce its carbon footprint and mitigate the effects of climate change. The maintenance and operations department commits to:

- Replacing mechanical systems (rooftop heating, ventilation, and air conditioning) and gas-fired heating systems with air source heat pumps with gas backups at schools.
- Changing out more ZEVs to vehicle fleets as electric vans and trucks are made available.
- Replacing the roofs on remaining sites and installing inorganic polyiso insulation where needed.
- Upgrading the lighting in the school gyms.
- Implementing an operational procedure in terms of air quality, smoke advisory, humidex, heat waves (heat domes).

2B. Other Sustainability Initiatives

School District No. 67 has additional initiatives in place that support sustainability. Some of these programs within schools include:

- Battery recycling
- Paper recycling
- Beverage container recycling
- Book recycling (including stapled books)

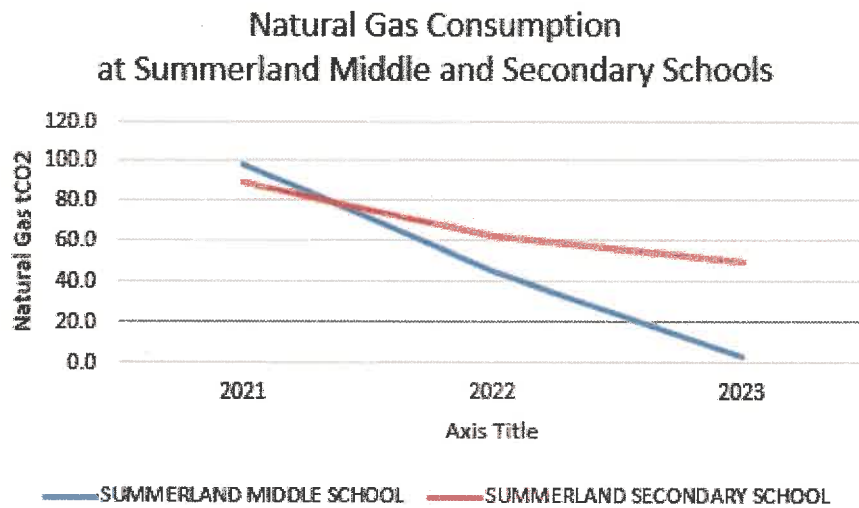


2C. Success Stories

Summerland Middle geo-field



This year, the District's success story is about the savings in natural gas due to last year's upgrade of the heat pumps at Summerland Middle and Summerland Secondary. The geothermal field commissioned in 2022-2023 has been successfully installed; this allows the school to maintain a more even temperature in winter as well as in summer. This helps lower the District's carbon credits significantly.





Executive Sign-off:

Signature 

Nicole Bittante
Name (please print)

Date May 23/24.

Secretary-Treasurer
Title

Signature 

Todd Manuel
Name (please print)

Date May 23, 2024

Superintendent of Schools
Title