



**2022 PSO CLIMATE CHANGE
ACCOUNTABILITY REPORT**
SCHOOL DISTRICT NO. 67
(OKANAGAN SKAHA)



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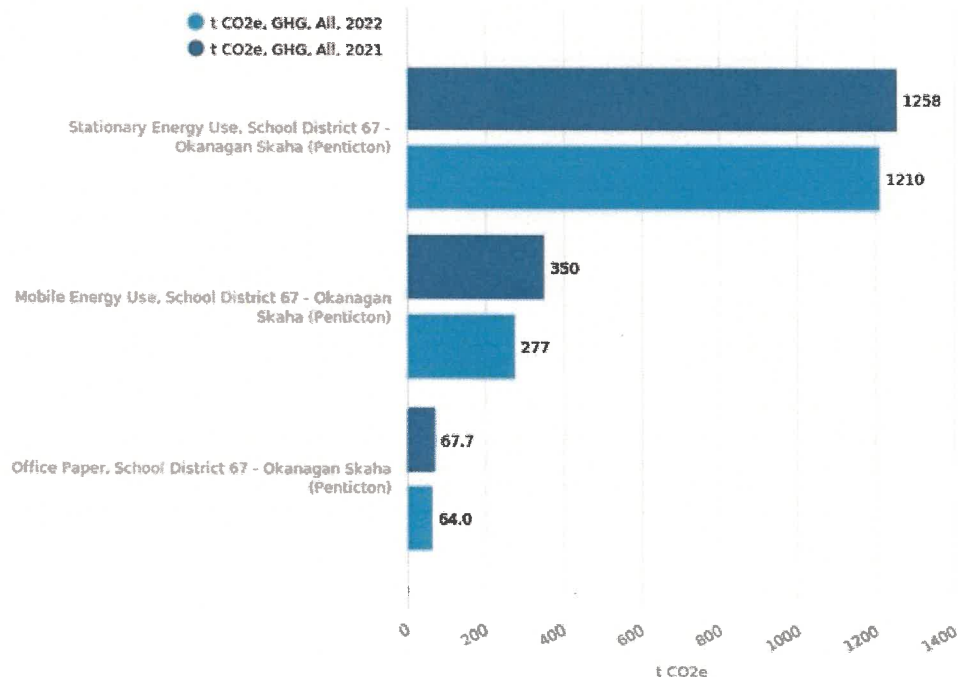
PART 1. LEGISLATIVE REPORTING REQUIREMENTS

Declaration Statement

This PSO Climate Change Accountability Report for the period January 1, 2022, to December 31, 2022, 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 2022 to minimize GHG emissions, and plans to continue reducing emissions in 2023 and beyond.

Emission Reductions: Actions & Plans

Between January 1 and December 31, 2022, School District No. 67 ("the District") produced a total of 1,391 tonnes of carbon dioxide equivalent (tCO₂e) of emissions. 1,210 tCO₂e, came from stationary energy such as heating, air conditioning, and lighting. 277 tCO₂e were derived from mobile energy such as maintenance vehicles, grounds equipment, and school buses. 64 tCO₂e 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 Elementary boiler



Naramata Elementary furnace



Carmi Elementary new furnace



Summerland Secondary HVAC rooftop



2022-23 Projects

- KVR Middle School – Phase 1 - removal of the old boiler and installing two Viessmann boilers with repiping.
- Naramata Elementary School - new furnace installed.
- Carmi Elementary School - new furnace installed.
- Summerland Middle School - upgrade to geothermal.
- Summerland Secondary School - mechanical system upgrade (rooftop heating, ventilation, and air conditioning).

2023-24 Projects

- KVR Middle School – Phase 2 - complete flush of the new boiler system and removal of the old chiller.
- Queen's Park Elementary School – mechanical system upgrade (rooftop heating, ventilation, and air conditioning).
- Summerland Secondary School - re-roof and add 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 August 2022, the District added a second electric bus that is servicing the District of Summerland. The District is adding three more electric vehicles to its fleet in the coming year for the maintenance and IT departments. The District is also installing three charging stations, one at the 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 electric vehicles to its fleet as electric trucks and vans are made available.

C. Paper Consumption

The District's paper consumption has decreased 5.61% from 2021. In the next year the District will be looking at purchasing recycled paper for schools. The District continues to use Planet Earth to recycle textbooks, books, and stapled content. The District has recycled 12,000 books in the last year, which has eliminated them from going into the landfill.

2022 GHG Emissions and Offsets Summary Table

School District No. 67	
2022 GHG Emissions and Offsets Summary	
GHG emissions for the period January 1 - December 31, 2022	
Total BioCO ₂	10.1
Total Emissions (tCO ₂ e)	1,561
Total Offsets (tCO ₂ e)	1,391
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)	1,391
Offset Investment (\$)	\$34,775

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 2022 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. On the maintenance and operations side, the District is:

- 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 our fleet of vehicles, a total of three next year.
- Replacing the roofs on all sites and installing inorganic polyiso insulation where needed.
- 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 multiple additional initiatives in place that support sustainability. Some of these programs within schools includes:

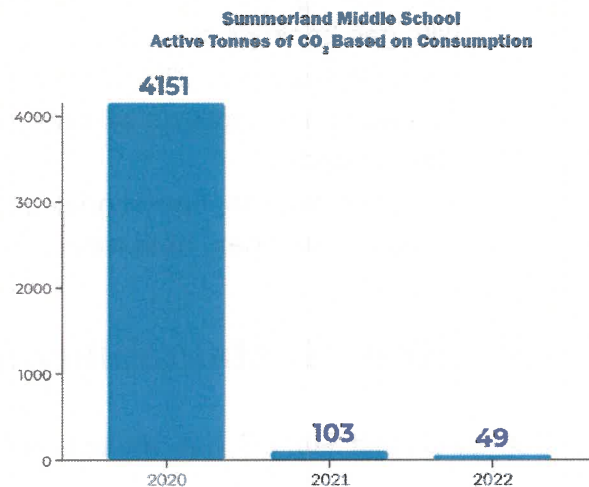
- 1) Battery recycling
- 2) Paper recycling
- 3) Beverage container recycling
- 4) Book Recycling (including stapled books)

2C. Success Stories

Summerland Middle geo-field



This year, the District's success story was Summerland Middle School. The first phase in 2021 that was completed was to upgrade a boiler and heat pumps. This year was the final phase and involved construction and commissioning of a geothermal field. There was a staggering reduction in emissions in 2021 and then again in 2022.





Executive Sign-off:

A purple ink signature, likely of Nicole Bittante, is written over a horizontal line.

Signature

Nicole Bittante

Name (please print)

A purple ink date "June 4/23" is written over a horizontal line.

Date

Secretary-Treasurer/CFO

Title

A black ink signature, likely of Todd Manuel, is written over a horizontal line.

Signature

Todd Manuel

Name (please print)

A black ink date "June 5/23" is written over a horizontal line.

Date

Superintendent of Schools

Title