



2020
PSO Climate Change
Accountability Report



DECLARATION STATEMENT

This Climate Change Accountability Report for the period January 1, 2020 to December 31, 2020 summarizes our emissions profile, the total offsets to reach net-zero emissions, the actions we have taken in 2020 to reduce our greenhouse gas emissions and our plans to continue reducing emissions in 2021 and beyond.

Emissions and Offsets Table

School District No. 63 2020 GHG Emissions and Offsets	
GHG Emissions created in Calendar Year 2020	
Total Emissions (tCO ₂ E)	1,829
Total BioCO ₂	16.6
Total Offsets (tCO ₂ E)	1,561
Adjustments to Offset Required GHG Emissions Reported in Prior Years	
Total Offsets Adjustment (tCO ₂ e)	79
Grand Total Offsets for the 2020 Reporting Year	
Grand Total Offsets (tCO ₂ e) to be Retired for 2020 Reporting Year	1,640
Offset Investment (\$25 per tCO ₂ e)	\$41,000

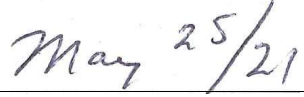
Retirement of Offsets:

In accordance with the requirements of the Climate Change Accountability Act and Carbon Neutral Government Regulation, School District No. 63 (**the Organization**) is responsible for arranging for the retirement of the offsets obligation reported above for the 2020 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:



 Paul McKenzie, Assistant Superintendent



 Date

OVERVIEW

Like so many other organizations, 2020 the Saanich School District (“SD63”) to place our focus on addressing the risks posed by COVID-19. While this put pressure on our efforts to reduce GHG’s, we still achieved a 5% reduction compared with 2019. To date, the Saanich School district has achieved 15% GHG reduction since 2007.

Area	2019	2020	% Change
Buildings	1318	1305	- 1%
Fleet	516	439	- 15%
Paper	75	68	- 9%
Total	1909	1812	- 5%

This report details SD63’s GHG emission reduction Goals, Strategies and Targets. In addition, it outlines the energy conservation projects and initiatives that were implemented in 2020.



ABOUT SAANICH SCHOOLS

The Saanich School District has nearly 8,000 students in eight elementary schools, three middle schools, and three secondary schools. In addition, the District also provides programming at a Children's Development Centre and two Individual Learning Centres. We also have one of the province's most successful International Student programs.

In Saanich, everything we do is driven by a desire to see students achieve success and personal growth. Our district's success is measured not only by our students' academic accomplishments but by how well we inspire them to reach their full potential and be outstanding citizens locally and across the globe.

We place a high priority on the important relationships we have formed with our local communities including the WSÁNEĆ First Nation on whose traditional territory we live, work and learn. Together we build strong schools where our students thrive and develop.

Our commitment to students and staff includes the operation and maintenance of our buildings in a manner that incorporates health, safety, fiscal responsibility and a reduced environmental impact.

Territorial Acknowledgement

We acknowledge and thank the WSÁNEĆ people on whose traditional territory we live, learn, and teach. The WSÁNEĆ people have lived and worked on this land since time immemorial.

GHG REDUCTION GOALS & STRATEGIES

Our targets are aligned with Provincial Government legislation. The strategies outlined in this plan show how Saanich District will strive to achieve the stated Provincial goals and provides further direction on what actions will be required to implement the strategies.

Goals

Saanich School District has identified a number of goals to reduce GHG’s in alignment with Provincial targets and those outlined in CleanBC.

Source	Goal(s)	Provincial Targets
Buildings	Reduce building emissions by 50% by 2030 (as outlined in CleanBC) by implementing cost-effective projects that reduce long term operational expenditures.	40% GHG reduction by 2030
Fleet	Manage resources consumed by fleet effectively, both in terms of cost and GHG emissions.	60% GHG reduction by 2040
Paper	Reduce paper use.	80% GHG reduction by 2050
Waste	Divert material from landfill.	

Strategies & Actions

The Saanich School District has identified the following strategies to reduce GHG Emissions.

Buildings

To reduce emissions from SD63's buildings we will implement projects that reduce long term operational expenditures while also reducing emissions, including:

1. Cost-effective projects, specifically:
 - a. LED lighting
 - b. Ventilation control
 - c. High-efficiency boilers
 - d. Improved control of heating, ventilation and air conditioning systems
2. Leverage a combination of Annual Facility Grants, Carbon Neutral Capital Program funding, and utility funding for project implementation.
3. Utilize energy audits conducted on all buildings over the past five years to understand where the most cost-effective energy saving measures exist.
4. Retrofit buildings as independent cost-effective system upgrades.



Fleet

To effectively manage both cost and environmental resources consumed by our fleet, SD63 will:

1. Continue reinforcing our anti-idling policy.
2. Track all fleet vehicles using GPS.
3. Regularly conduct route optimization of our bus fleet.

SD63 is also evaluating opportunities to reduce fleet emissions through electrification or and other low-carbon fuels whenever vehicles require replacement.

Paper

SD63 will continue to promote the following paper reducing initiatives:

- Emphasize double-sided printing.
- Encourage electronic file storage.
- Purchase paper with high-recycled content.

PROJECTS & INITIATIVES

The following outlines SD63's plans for reducing GHG emissions going forward.

Building Retrofits

A number of building retrofits are planned for 2021 including:

- Replacement of the Children's Development Centre building complete with modern building envelope, efficient heating system, and solar panels.
- Replacement of the dust extractor within our facilities building.
- Upgrading the power within our facilities building to a three-way power feed. This will also support future installation of an anticipated electric vehicle charging network.

Energy Management

In 2021 SD63 will be developing an Energy Sustainability Plan (ESP). The ESP will have three main objectives:

1. To position SD63 as a provincial leader in sustainability management.
2. To enhance SD63's culture of environmental practices for a strong and sustainable future.
3. To maximize the savings through SD63's Energy Management Model.

To achieve these objectives the ESP will include the following:

- Provide a baseline energy assessment and identify targets and gaps to targets.
- Solidify the District's objectives in terms of CleanBC targets with an initial focus on 2025 (1/2 way to first 40% reduction by 2030).
- Identify upgrades to HVAC, building envelope, and the application of renewables and fuel switching opportunities
- Provide a fleet assessment that will identify opportunities for electrification and/or lower carbon fuel sources.
- Identify potential incentives and rebates.
- Identify behavior changes opportunities.

Ultimately the ESP will outline a three-year plan to action.

SUMMARY

As with other school districts throughout BC, COVID-19 put significant pressure on SD63 to meet its main strategic goal of ensuring the success of its students. However, we are very proud of what we achieved during these difficult times, including a reduction of our GHG footprint. This past year-and-a-half has shown us that even under some of the most challenging of environments our commitment to address the risks of climate change remains resolute. It has also solidified our commitment to ensuring we support the GHG targets set out by the Province. Under our upcoming Energy and Sustainability Plan we will have a clear path to achieving these goals.

