



School District No. 47 (Powell River)

Title: 2022 PSO Climate Change Accountability Report

Organization Name: School District 47 (Powell River)

Declaration Statement

This Carbon Neutral Action Report for the period January 1 to December 31, 2022 summarizes our greenhouse gas (GHG) emissions profile, the total offsets to reach net zero emissions, the actions we have taken in 2022 to reduce our GHG emissions, and our plans to continue reducing emissions in 2023 and beyond.

Actions & Plans

In 2022, School District 47 continued to work towards its ongoing goal of reducing its carbon footprint. Over the course of 2022 we completed an LED lighting upgrade at Texada Elementary School. Also undertaken at Texada Elementary was the first phase of a multi-year thermal window upgrade with Texada being the last regular school site in need of one. Also at Texada was the upgrade of an older furnace to a modern high efficiency model. At Henderson Elementary School we upgraded our electrical service. This upgrade brings this multi-year initiative to upgrade the electrical services and infrastructure at older elementary school sites near completion. Within the scope of this electrical project at Henderson was the installation of an eighteen-panel grid-tie solar system. Following this theme, a 25-kw grid tie solar system was also installed at Westview Elementary School bringing the total solar installations across the district to four.

Also completed in 2022 at Henderson School was a major washroom renovation. These annual upgrades include utilization of auto flush valves and other low flow accessories which will contribute to the reduction in the total amount of water consumed at the school. This upgrade follows a similar upgrade which was completed the previous year at James Thomson Elementary. The scope of work at James Thomson this past year also included an insulation upgrade with a blown in product added to the attic space of an older heritage building. This initiative will contribute to our ongoing efforts to reduce heating and cooling costs at the school.

Finally, we closed out 2022 with an energy audit of each of our school buildings, the results of which will assist us in our ongoing capital planning in the coming years.

At the school level, School District 47 continues to take pride in educating the next generation to protect our future by continuing to fund various school led initiatives including the expansion of outdoor teaching and gathering spaces for students and staff. An outdoor classroom gazebo is in the planning stages for James

Thomson Elementary School, once completed this will bring the total number of outdoor teaching spaces in the district to four. Similarly, the planning stage for a covered bicycle storage facility for Brooks Secondary was also completed with construction expected to start in the coming school year.

Planned for 2023 are LED lighting upgrades at each of James Thomson Elementary and Kelly Creek Community Schools with another washroom renovation also planned for Kelly Creek. Also in 2023 is a mechanical and ventilation upgrade to James Thomson Elementary with further HVAC related upgrades planned for the gymnasium at the Oceanview Education Centre along with installation of a mechanical heating and cooling system at the Districts Administration building.

School led initiatives continue to include participation in Destination Imagination, in gardening and recycling programs, as well as a number of community events such as the Trash Bash and Seedy Saturdays. The Outdoor Learning Centre (OLC), continues to be a contributing factor to the education of students, in both its operation and programs offered. The OLC consists of several cabins and a main lodge, run largely on solar power and maintains other environmentally friendly operating practices. Each year, the OLC offers numerous educational programs to District students, instructing them in practices such as composting, and use of renewable energy sources in a hands-on way.

Our **Total GHG Emissions for 2022 were 1,110** with **884 in offsets** to make us Carbon Neutral.

We believe in the benefits of our continued efforts and look forward to seeing a further reduction in offsets over the next few years. Financially, we aim to put some of the savings directly back into our schools, funding materials that continue to educate and provide awareness of how to reduce our carbon footprint. Environmentally, we aim to make our small actions have a big impact, both in the present and in the future, as our students take what they've learned into their adult lives, into our community and far beyond. We are proud of our District and continue to be amazed at the significant efforts from both staff and students in making positive changes that will better our world for years to come.

Retirement of Offsets

In accordance with the requirements of the *Climate Change Accountability Act* and Carbon Neutral Government Regulation, School District 47 (Powell River) 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. The Organization agrees that, in exchange for the Ministry of Environment and Climate Change Strategy ensuring that these offsets are retired on the Organization's behalf, the Organization will pay the associated invoice to be issued by the Ministry in an amount equal to \$25 per tonne of offsets retired on its behalf.

Emissions and Offsets Summary Table

School District 47 (Powell River) GHG Emissions and Offsets for 2022

GHG Emissions created in Calendar Year 2022

Total BioCO ₂ (tCO ₂ e)	14
Total Emissions (tCO ₂ e)	1,096
Total Offsets (tCO ₂ e)	884

Adjustments to GHG Emissions Reported in Prior Years

Total Offset Adjustments (TCO ₂ E)	0
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Grand Total Offsets for the 2022 Reporting Year

Grand Total Offsets	1,110
Offset Investment	\$ 22,100

Sincerely,



Steve Hopkins
Secretary Treasurer

May 31, 2023