



# 2023 PSO Climate Change Accountability Report North Vancouver School District

## **Declaration Statement**

This Climate Change Accountability Report for the period January 1, 2023 to December 31, 2023 summarizes our greenhouse emissions profile, the total offsets to reach net-zero emissions, and our emissions reduction efforts.

## **Emission Reductions: Actions & Plans**

In 2023, several key initiatives contributed to our ongoing efforts to reduce greenhouse gas emissions from buildings, fleet, and paper consumption.

- Ongoing commissioning of the new Handsworth Secondary.
- Operation of 12 new electric vehicle charging stations at four sites.
- Implementation of Continuous Optimization measures at Ridgeway Elementary and Queen Mary Elementary.
- Phase 2 of the heating plant upgrade at Cleveland Elementary (heat pump installation).
- Phase 1 of the heating plant upgrade at Sherwood Park Elementary (new boilers)
- Design of the building envelope upgrade at Windsor Secondary.
- Procurement of three additional electric fleet vehicles.

A number of initiatives are underway, or have been planned for execution, in 2024:

- Phase 2 of the heating plant upgrade at Sherwood Park Elementary (heat pump installation).
- Phase 1 of the building envelope upgrade at Windsor Secondary.
- Design of the new all-electric Cloverley Elementary.
- Design of the six-classroom addition at Lynn Valley Elementary.
- Installation of additional electric vehicle charging infrastructure.
- Engaging tenants at leased sites to educate them on emissions reduction opportunities.
- Continued exploration of electrification opportunities for mechanical system renewal projects.

## Emissions and Offset Summary Table

<b>North Vancouver School District GHG Emissions and Offsets for 2023</b>	
<b>GHG Emissions created in Calendar Year 2023</b>	
Total BioCO <sub>2</sub> (tCO <sub>2</sub> e)	5
Total Emissions (tCO <sub>2</sub> e)	3,822
Total Offsets (tCO <sub>2</sub> e)	3,757
<b>Adjustments to Offset Required GHG Emissions Reported in Prior Years</b>	
Total Offsets Adjustment (tCO <sub>2</sub> e)	-2
<b>Grand Total Offsets for the 2022 Reporting Year</b>	
Grand Total Offsets (tCO <sub>2</sub> e) to be Retired for 2023 Reporting Year	3,755
Offset Investment (\$25/tCO <sub>2</sub> e)	\$93,875

## Retirement of Offsets

In accordance with the requirements of the *Climate Change Accountability Act* and Carbon Neutral Government Regulation, *North Vancouver School District (the Organization)* 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 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.

## Climate Risk Management

In addition to reducing the emissions that contribute to climate change, the NVSD is also managing and adapting to the climate-related risks that are already affecting our operations. Examples of these risks include increased wildfire smoke, rising temperatures, and more frequent extreme weather events.

The NVSD is working to integrate climate risk assessment and management practices with existing capital project planning and operational decision-making processes, for example planning for the future installation of space cooling when designing school HVAC retrofits.

## Sustainability Initiatives

The NVSD has a range of programs and initiatives that support broader environmental sustainability, for example:

- The 2021-31 Strategic Plan that has Environmental Stewardship as one of six pillars.
- Annual environmental benchmarking of building energy, water, and paper use.
- Food literacy and garden programs in schools.
- A comprehensive waste diversion program covering all sites.
- A multi-stakeholder district Sustainability Committee that meets quarterly.
- Regular Sustainability Newsletters distributed to staff and parents.
- An annual Climate Action and Sustainability Week to engage students and staff.
- Safe and Active School Travel programs focused on reducing vehicle use.

## Success Stories

The biggest environmental success story of 2023 is the design of the new Cloverley Elementary, an all-electric school targeting an 85% reduction in operational greenhouse gas emissions.

## Executive Sign-off

*Original signed by J. Stewart*

*May 29, 2024*

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Signature

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Date

Jacqui Stewart

Secretary-Treasurer

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Name (please print)

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Title