



2022 PSO Climate Change Accountability Report

North Vancouver School District

Declaration Statement

This Climate Change Accountability Report for the period January 1, 2022 to December 31, 2022 summarizes our emissions profile, the total offsets to reach net-zero emissions, the actions we have taken in 2022 to reduce our greenhouse gas emissions, and our plans to continue reducing emissions in 2023 and beyond.

Emission Reductions: Actions & Plans

In 2022, several key initiatives contributed to our ongoing efforts to reduce greenhouse gas emissions from buildings, fleet, and paper consumption.

- Completion and ongoing commissioning of the new Handsworth Secondary.
- Completion of the envelope, heating plant, and ventilation upgrades at Mountainside Secondary.
- Installation of 12 electric vehicle charging stations at four sites.
- Comprehensive LED lighting and controls upgrades at Windsor Secondary and Seycove Secondary.
- Implementation of Continuous Optimization measures at Ridgeway Elementary and Queen Mary Elementary.
- Phase 1 of the heating plant upgrade at Cleveland Elementary (new boilers).

A number of initiatives are underway, or have been planned for execution, in 2023:

- Phase 2 of the heating plant upgrade at Cleveland Elementary (heat pump installation).
- Heating plant upgrade at Sherwood Park Elementary.
- Design of the building envelope upgrade at Windsor Secondary.
- Completion of the Cheakamus Environmental Learning Centre envelope renewal.
- Procurement of three electric fleet vehicles.
- 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

North Vancouver School District GHG Emissions and Offsets for 2022	
GHG Emissions created in Calendar Year 2022	
Total Emissions (tCO ₂ e)	4,608
Total BioCO ₂ (tCO ₂ e)	5
Total Offsets (tCO ₂ e)	4,558
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 (tCO ₂ e) to be Retired for 2022 Reporting Year	4,558
Offset Investment (\$25/tCO ₂ e)	\$113,950

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 2022 is the completion and ongoing commissioning of the new Handsworth Secondary School, as part of the Seismic Mitigation Program. The school was previously one of the school district's biggest sources of greenhouse gas emissions. The new school is targeting a 75% reduction, equivalent to 190tCO₂e per year. This [video](#) gives more information about the project.

Executive Sign-off

Original signed by J. Stewart

May 31, 2023

Signature

Date

Jacqui Stewart

Secretary-Treasurer

Name (please print)

Title