



2021 PSO Climate Change Accountability Report North Vancouver School District

Declaration Statement

This Climate Change Accountability Report for the period January 1, 2021 to December 31, 2021 summarizes our emissions profile, the total offsets to reach net-zero emissions, the actions we have taken in 2021 to reduce our greenhouse gas emissions, and our plans to continue reducing emissions in 2022 and beyond.

Emission Reductions: Actions & Plans

In 2021, several key initiatives contributed to our ongoing efforts to reduce greenhouse gas emissions from buildings, fleet, and paper consumption.

- Completion of the new Handsworth Secondary School.
- Ongoing commissioning of the new Argyle Secondary School.
- Completion of the Continuous Optimization investigations at Ridgeway Elementary and Queen Mary Elementary.
- Completion of the Mountainside building envelope upgrades.
- Development of an electric vehicle charging strategy.
- Addition of new classroom ventilation systems incorporating high-efficiency heat recovery.

A number of initiatives are underway, or have been planned for execution, in 2022:

- Heating plant and HVAC upgrade at Mountainside Secondary.
- Heating plant upgrade at Cleveland Elementary.
- Comprehensive LED lighting and controls upgrades at Windsor Secondary and Seycove Secondary.
- Implementation of Continuous Optimization measures at Ridgeway Elementary and Queen Mary Elementary.
- Installation of 12 electric vehicle charging stations at four sites.
- Continued exploration of electrification opportunities for mechanical system renewal projects.
- Paper reduction initiative at Larson Elementary.
- Walking School Bus pilot program at five elementary schools.

Emissions and Offset Summary Table

North Vancouver School District GHG Emissions and Offsets for 2021	
GHG Emissions created in Calendar Year 2021	
Total Emissions (tCO ₂ e)	4,410
Total BioCO ₂ (tCO ₂ e)	5
Total Offsets (tCO ₂ e)	4,367
Adjustments to Offset Required GHG Emissions Reported in Prior Years	
Total Offsets Adjustment (tCO ₂ e)	-70
Grand Total Offsets for the 2021 Reporting Year	
Grand Total Offsets (tCO ₂ e) to be Retired for 2020 Reporting Year	4,297
Offset Investment (\$25/tCO ₂ e)	\$107,425

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 2021 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 like the 2021 summer heat wave that resulted in the NVSD's first ever district-wide school closure due to heat.

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 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.
- A youth-led Sustainability Network that provides collaboration opportunities to students.
- 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 is the completion of two new secondary schools, Argyle and Handsworth, as part of the Seismic Mitigation Program. These two sites were previously the school district's biggest sources of greenhouse gas emissions and historically made up over 15% of our total annual carbon footprint. The following videos give more information about the interesting features of each project:

- [Argyle Secondary Virtual Tour](#)
- [Handsworth Secondary Promotion Video](#)

Executive Sign-off

Original signed by J. Stewart

May 30, 2022

Signature

Date

Jacqui Stewart

Secretary-Treasurer

Name (please print)

Title