



# 2020 Climate Change Accountability Report North Vancouver School District

**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.

By June 30, 2021 **North Vancouver School District's** final *Carbon Neutral Action Report* will be posted to our website at [www.sd44.ca](http://www.sd44.ca)

**2020 Overview:** Several key initiatives in 2020 contributed to our ongoing efforts to reduce greenhouse gas emissions.

- Completion of the heating system upgrade at Norgate Elementary. The project included the installation of new high efficiency condensing boilers, supplementary air-source heat pumps, and hydronic heating coils in two existing rooftop ventilation units. This project is targeting a 50% greenhouse gas reduction.
- Completion of the new Arglye Secondary School that incorporated a hybrid heating plant with high-efficiency natural gas boilers and air-source heat pumps. This project is targeting a 70% greenhouse gas reduction.
- Construction began on the new Handsworth Secondary School seismic replacement, a project targeting a 75% greenhouse gas reduction.

**2021 Overview:** A number of initiatives are underway, or have been planned for execution, in 2021:

- Commencement of the BC Hydro Continuous Optimization program at Ridgeway Elementary and Queen Mary Elementary.
- Potential implementation of a comprehensive LED lighting and controls upgrade at Seycove Secondary.
- Implementation of a heating plant and HVAC upgrade at Mountainside Secondary.
- Initiation of a district-wide Heating system water treatment program.
- Continued exploration of electrification opportunities for mechanical system renewal projects.
- Continued exploration of suitable electric vehicles for the NVSD maintenance fleet.

**Emissions and Offset Summary Table:**

<b>North Vancouver School District GHG Emissions and Offsets for 2020</b>	
<b>GHG Emissions created in Calendar Year 2020</b>	
Total Emissions (tCO <sub>2</sub> e)	4,105
Total BioCO <sub>2</sub> (tCO <sub>2</sub> e)	5
Total Offsets (tCO <sub>2</sub> e)	4,071
<b>Adjustments to Offset Required GHG Emissions Reported in Prior Years</b>	
Total Offsets Adjustment (tCO <sub>2</sub> e)	467
<b>Grand Total Offsets for the 2020 Reporting Year</b>	
Grand Total Offsets (tCO <sub>2</sub> e) to be Retired for 2020 Reporting Year	4,538
Offset Investment (\$25/tCO <sub>2</sub> e)	\$113,450

**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 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:**

<i>Original signed by J. Stewart</i>	<i>May 26, 2021</i>
_____ Signature	_____ Date
Jacqui Stewart	Secretary-Treasurer
_____ Name (please print)	_____ Title