



# 2018 Carbon Neutral Action Report

## North Vancouver School District

**Declaration Statement:** This Carbon Neutral Action Report for the period January 1, 2018 to December 31, 2018 summarizes our emissions profile, the total offsets to reach net-zero emissions, the actions we have taken in 2018 to reduce our greenhouse gas emissions, and our plans to continue reducing emissions in 2019 and beyond.

By June 30, 2019 **North Vancouver School District's** final *Carbon Neutral Action Report* will be posted to our website at [www.sd44.ca](http://www.sd44.ca)

**2018 Overview:** Several key initiatives in 2018 contributed to our ongoing efforts to reduce GHG emissions.

- Braemar Elementary and Ross Road Elementary underwent boiler plant upgrades that included the installation of new high efficiency condensing boilers and “smart” heating water distribution pumps.
- Enhancements to the building control systems were made at the Cheakamus Environmental Learning Centre.
- LED lighting retrofits and controls upgrades were completed at 6 elementary schools: Lynn Valley, Sherwood Park, Cleveland, Capilano, Braemar, and Cove Cliff.
- The BC Hydro Continuous Optimization (C-Op) program was completed at Arglye Secondary School.
- A low-carbon heating system was incorporated into the design of the Handsworth Secondary school replacement project.

**2019 Overview:** A number of initiatives are underway, or have been planned for execution, in 2019:

- LED lighting retrofits and controls upgrades were completed at 6 elementary schools: Upper Lynn, Carisbrooke, Montroyal, Eastview, Norgate, and Boundary.
- An electric vehicle was purchased for the NVSD maintenance fleet.
- LED lighting and control upgrade solutions will be designed for Seycove Secondary and Windsor Secondary.
- Capilano Elementary will undergo boiler plant and HVAC upgrades.
- A ventilation upgrade will be completed at Upper Lynn Elementary.
- Building envelope upgrade projects will be completed at Capilano Elementary and Eastview Elementary.
- Enhancements to the existing building control systems will be made at the Education Services Centre.
- A low-carbon heating system retrofit will be explored for Norgate Elementary.

**Emissions and Offset Summary Table:**

| <b>North Vancouver School District GHG Emissions and Offset for 2018 (tCO<sub>2</sub>e)</b> |       |
|---|-------|
| <b>GHG Emissions created in Calendar Year 2018</b>  |       |
| Total Emissions (tCO <sub>2</sub> e)  | 3,569 |
| Total Offsets (tCO <sub>2</sub> e)  | 3,496 |
| <b>Adjustments to GHG Emissions Reported in Prior Years</b>                                 |       |
| Total Emissions (tCO <sub>2</sub> e)  | -642  |
| Total Offsets (tCO <sub>2</sub> e)  | -642  |
| <b>Grand Total Offsets for the 2018 Reporting Year</b>                                      |       |
| Grand Total Offsets (tCO <sub>2</sub> e)  | 2,854 |

**Retirement of Offsets:** In accordance with the requirements of the Greenhouse Gas Reduction Targets Act and Carbon Neutral Government Regulation, **North Vancouver School District** is responsible for arranging for the retirement of the offsets obligation reported above for the 2018 calendar year, together with any adjustments reported for past calendar years. The Organization hereby agrees that, in exchange for the Ministry of Environment 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 plus GST.