



2016 Carbon Neutral Action Report - North Vancouver School District

Declaration Statement: This Carbon Neutral Action Report for the period January 1, 2016 to December 31, 2016 summarizes our emissions profile, the total offsets to reach net-zero emissions, the actions we have taken in 2016 to reduce our greenhouse gas emissions, and our plans to continue reducing emissions in 2017 and beyond.

By June 30, 2017 **North Vancouver School District's** final *Carbon Neutral Action Report* will be posted to our website at www.sd44.ca

2016 Overview: Several key initiatives in 2016 contributed to our on-going commitment to reduce GHG emissions.

- Cleveland Elementary underwent a complete window retrofit, which replaced all single pane glazing with insulated double pane low-e glazing.
- The roofing and insulation system at Cove Cliff Elementary was replaced.
- Eastview Elementary underwent a boiler plant upgrade 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 four elementary schools: Canyon Heights, Dorothy Lynas, Ross Road and Westview.
- We continued with a continuous optimization (COp) to enhance the operation of existing building systems at five secondary schools: Sutherland, Windsor and Seycove. Carson Graham, and Arglye.

2017 Overview: A number of initiatives are underway, or have been planned for execution, in 2017:

- The School District hired a full-time Sustainability and Energy Manager, whose mandate includes the development of a district-wide Greenhouse Gas reduction strategy.
- The Maintenance department rolled out a computerized maintenance management system that will reduce emissions through better maintenance vehicle route planning.
- Montroyal Elementary and Dorothy Lynas Elementary will undergo a boiler plant upgrade that includes the installation of new high efficiency condensing boilers and “smart” heating water distribution pumps.
- The roofing and insulation system in the Ridegeway Elementary demountable classroom block was replaced.
- Enhancements to the existing building control systems will be made at the Education Services Centre.
- The COP program will continue at five secondary schools: Sutherland, Windsor and Seycove. Carson Graham, and Arglye.

Emissions and Offset Summary Table:

North Vancouver School District GHG Emissions and Offset for 2016 (tCO₂e)	
GHG Emissions created in Calendar Year 2016	
Total Emissions (tCO ₂ e)	3,527
Total Offsets (tCO ₂ e)	3,479
Adjustments to GHG Emissions Reported in Prior Years	
Total Emissions (tCO ₂ e)	13
Total Offsets (tCO ₂ e)	13
Grand Total Offsets for the 2016 Reporting Year	
Grand Total Offsets (tCO ₂ e)	3,492

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 2016 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.