



2015 Carbon Neutral Action Report - North Vancouver School District

Declaration statement: This Carbon Neutral Action Report for the period January 1, 2015 to December 31, 2015 summarizes our emissions profile, the total offsets to reach net-zero emissions, the actions we have taken in 2015 to reduce our greenhouse gas emissions and our plans to continue reducing emissions in 2016 and beyond.

By June 30, 2016 **North Vancouver School District's** final *Carbon Neutral Action Report* will be posted to our website at www.sd44.ca

Overview: Several key initiatives in 2015 contributed to our on-going commitment to reduce GHG emissions. A retrofit project at Upper Lynn Elementary included the installation of four new high efficiency condensing boilers and smart pumps, which replaced a single inefficient boiler and hot water circulation system. Boundary Elementary also went through a significant heating and ventilation retrofit project that eliminated numerous individual gas fired unit ventilators located throughout the school and replaced them with two new high efficiency condensing boilers and smart pumps coupled to a new displacement air ventilation system. Heat recovery ventilators (HRV's) were also incorporated into the exhaust air stream at Boundary Elementary as a further energy conservation measure. In addition to these large retrofit projects, we engaged in a continuous optimization program (COP) of the existing building systems at four secondary schools: Handsworth, Sutherland, Windsor and Seycove.

A number of projects have been planned for execution in 2016/17. Cleveland Elementary will undergo a complete window retrofit, which will replace all single pane glazing with insulated double pane low-e glazing. The roofing and insulation system at Cove Cliff Elementary will be replaced. Eastview Elementary will undergo a boiler plant replacement that includes the installation of new high efficiency boilers and smart pumps. The COP program will continue at Carson Graham and then move onto Argyle Secondary.

Enhancements to the building control systems will be undertaken at four elementary schools: Canyon Heights, Dorothy Lynas, Ross Road and Westview.

Emissions and Offset Summary Table:

North Vancouver School District GHG Emissions and Offset for 2015 (TCO2E)	
GHG Emissions created in Calendar Year 2015:	
Total Emissions (tCO ₂ e)	3514
Total Offsets (tCO ₂ e)	3459
Adjustments to GHG Emissions Reported in Prior Years :	
Total Emissions (tCO ₂ e)	72
Total Offsets (tCO ₂ e)	72
Grand Total Offsets for the 2015 Reporting Year:	
Grand Total Offsets (tCO ₂ e)	3531

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 2015 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.

Executive sign-off:

Original signed by G. Allison

June 7, 2016

Signature

Date

Georgia Allison

Secretary Treasurer

Name (please print)

Title