

2018 Carbon Neutral Action Report

School District 45 (West Vancouver)

This Carbon Neutral Action Report for the period January 1st, 2018 to December 31st, 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, School District 45's final *Carbon Neutral Action Report* will be posted to our website at westvancouver.schools.ca

Overview:

School District 45 undertook a number of actions in 2018 to reduce our carbon footprint. Most impactful of these was a district-wide retrofit of all lighting from fluorescent to LED. It is estimated that this change will save 1,970,578 kWh/year, which is the equivalent of 1,393 metric tons of carbon dioxide.

In addition, our major capital projects included a complete building envelope remediation at Irwin Park Elementary School, as well as a replacement of its boilers and complete HVAC system throughout the building. These enhancements have significantly updated and increased the efficiency of the energy management system, improved the air quality and health conditions for the occupants of the building, and significantly decreased passive energy loss by the installation of double-glazed windows, insulation, and new caulking/weather-stripping and sealing throughout the building.

We renewed our copier fleet throughout the district, beginning with a district-wide review of all devices that resulted in a reduction of devices and replacement with more efficient, multi-purpose devices. These devices are equipped with consumption monitoring software, and we are developing paper-use budgets that will be implemented in the future. We continue to work to reduce paper consumption by providing all teaching staff with personal devices, together with the implementation of on-line reporting and assessment tools, digital student portfolios, and electronic textbooks.

We reviewed and updated our DDC system with respect to temperature control within our buildings, changing the timing and levels of temperature controls to better reflect our pattern of building occupancy and reduce utility costs.


We are beginning to review our facilities vehicle fleet, and as we move forward with the replacement of aging vehicles we will be considering alternative energy sources (hybrid and electric), as well as right-sizing vehicles to specific tasks to ensure maximum efficiency. We are also exploring the installation of electric charging stations within our district.

Environmental understanding and green practices will continue to inform our work and teach, and form one of the formal goals of our district's Strategic Plan.

<i>School District 45 (West Vancouver) GHG Emissions and Offset for 2018 (tCO₂e)</i>	
GHG Emissions created in Calendar Year 2018	
Total Emissions (tCO ₂ e)	1,490
Total BioCO ₂	2.36
Total Offsets (tCO ₂ e)	2
Adjustments to GHG Emissions Reported in Prior Years	
Total Emissions (tCO ₂ e)	148
Total Offsets (tCO ₂ e)	146
Grand Total Offsets for the 2018 Reporting Year	
Grand Total Offsets Required (tCO ₂ e):	1,634
Total Offset Investment:	\$42,892.50

Retirement of Offsets:

In accordance with the requirements of the Greenhouse Gas Reduction Targets Act and Carbon Neutral Government Regulation, School District #45 (West Vancouver) (the Organization) is responsible for arranging 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 and Climate Change Strategy 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.

 <hr/> Signature	May 31, 2019 <hr/> Date
Chris Kennedy <hr/> Name	Superintendent & CEO <hr/> Title