



2020 Climate Change Accountability Report
SD40 New Westminster



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Declaration Statement

This Climate Change Accountability Report for the period of 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.

Overview

New Westminster Schools serves a diverse community of students and families through our eight elementary schools, three middle schools, one brand new high school, three alternate programs, a home learners program, adult learning and online learning options. And we also support a range of early learners through our StrongStart programs and community day care partnerships.

With over 7000 students, and an anticipated 3.1% increase in enrolment for the 2021-22 school year, we're one of the fastest growing districts in Metro Vancouver!

At New Westminster Schools we collectively share many core values with our community, which includes: collaboration, engagement, equity, inclusion, innovation and integrity. Within those values also lives our commitment to taking on climate action: one of the six key priorities we identified when building the budget for our upcoming school year.

As we review our leadership on environmental issues and carbon planning, here are some key highlights you'll see:

- The new New Westminster Secondary (opened in December 2020) was built to a Leed Gold Standard
- We're investing in Green teams at every school
- Richard McBride Seismic Upgrade Project
- And many more projects – see below

GHG Emissions Reduction Initiatives

Mechanical Upgrades:

For 2020, the New Westminster school district continued on a number of initiatives at the district sites as they do every year in an effort to lower emissions.

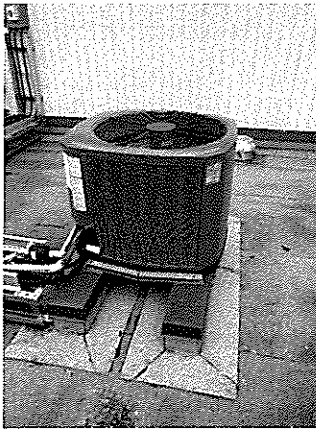


VFD or variable-frequency drive(s) installed at Fraser River Middle School and Herbert Spence Elementary as systems using VFDs have a higher efficiency than those using throttling control of fluid flow, such as in systems with pumps and damper control for fans, and is controlled by building automation control.



AHU Air Handling Unit(s) installed at Connaught Heights and F.W. Howay to better energy efficient heating to the schools. A replacement of hot water circulating pumps with variable speed drive models to conserve energy and water consumption.

- Room Occupancy Sensors installed at the school board office, Fraser River Middle School, Lord Kelvin Elementary, Glenbrook Middle School and Lord Tweedsmuir Elementary. These sensors can detect when a room is unoccupied and after 30 minutes, the heat will adjust to a lower setback temperature, thereby saving energy consumption on an empty room.



Heat pump at Connaught Heights, to warm the building by extracting thermal energy from cooler exterior air to inside the building rather than relying on fossil fuel.

- School sites have building automation, so heat can be controlled remotely and all schools begin heating their spaces at 8 a.m. on school days..
- Touchless, or automatic, bathroom faucets for all schools. This work, so far, has only been completed at Glenbrook Middle School, but the rest of the schools will soon see them.
- Replaced roofing membranes and insulation at Herbert Spencer Elementary and Glenbrook Middle School.

Richard McBride Replacement Project

- In the Spring of 2020, we broke ground on the new Richard McBride Elementary school! The replacement school will feature open spaces and a design that's intended to support revised and modern curriculum needs, with a new, expanded and seismically safe facility that will eliminate the need for portables and provide new, much-needed child care spaces for New Westminster families.

Executive Statement

Emissions and Offset Summary Table

New Westminster School District 40 - 2020 GHG Emissions and Offsets	
Total Emissions (tCO ₂ e)	1843
Total BioCO ₂	2.61
Total Offsets (tCO ₂ e)	1886
Adjustments to GHG Emissions Reported in Prior Years	
Total Offsets Adjustment (tCO ₂ e)	152
Grand Total Offsets for 2020 Reporting Year	
Grand Total Offsets (tCO ₂ e) to be Retired for 2020 Reporting Year	1995
Offset Investment (\$25 per tCO ₂ e)	\$49875

Retirement of Offsets:

In accordance with the requirements of the *Climate Change Accountability Act* and Carbon Neutral Government Regulation, School District 40 New Westminister (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.


Signature

MAY 31, 2021
Date

RETINA KETCHAM.
Name (please print)

SECRETARY - TREASURER
Title