



School District 45 (West Vancouver) 2014 Carbon Neutral Action Report

Declaration Statement:

This *Carbon Neutral Action Report* for the period January 1st to December 31st, 2014, summarizes our emissions profile, the amount of offsets purchased to reach net zero emissions, the actions we have taken in 2014 to reduce our greenhouse gas emissions and our plans to continue reducing emissions in 2015 and beyond.

By June 30 SD45's final *Carbon Neutral Action Report* will be posted to our website at www.sd45.bc.ca.

Overview:

The West Vancouver Board of Education has maintained its commitment to system sustainability, including a variety of goals that focus on the District's work to reduce its carbon footprint. This important work remains a priority for our Board of Education, which endeavors to "promote and facilitate the implementation of environmental education and sustainable practices in the District." <http://www.sd45.bc.ca/docs/StrategicPlan2012-2015.pdf> (Strategic Goal #2: "System Sustainability").

Our 2014 *Carbon Neutral Action Report* includes a number of areas we continue to explore in our pursuit of increasing sustainability in both our educational and business practices. Subject to funding, we are making both small and large changes in our teaching practice, our administration, our sites and our infrastructure, with each step bringing us closer to our sustainability goals.

Completion of our classroom modernization project has put personal devices into every teacher's hands and short-throw projectors into every classroom. This hardware, coupled with progressive and innovative teaching practices using digital media, as well as secure print and duplex printing on all copiers, has led to a 14% decrease in paper consumption in 2014.

We continue to replace and upgrade windows, insulation and exterior cladding as part of our ongoing site maintenance program, resulting in more efficient buildings. We also employ real-time utility monitoring to guide our repair and maintenance activities. Together with boiler replacement under the CNCP grant program and use of automated energy management software to reduce utilities during low occupancy hours, we have realized a 21% decrease in energy consumption in 2014.

Green practices remain a significant focus in our district. Early compliance with new municipal bylaws with respect to waste management has dramatically reduced the waste we direct to landfills, with all sites redirecting green waste and recyclable containers to the appropriate waste streams. Visitors to our sites are encouraged to follow guidelines around vehicle idling, and our school staff and students maintain gardens, greenhouses and composting at almost all sites.

Replacing our aging fleet with modern, economical vehicles that are size-appropriate to their tasks has reduced our fuel consumption by 10% in 2014.

The West Vancouver School District is committed to the province's climate action initiative. We have reduced our total emissions in 2014 by 342.77 tonnes. We will continue to improve our environmental behaviors and learn from the leadership provided by our students, who encourage sustainable practices in our district every day.

School District 45 (West Vancouver) GHG Emissions and Offsets for 2014 (TCO2E)	
GHG Emissions created in Calendar Year 2014:	
Total Emissions (TCO2E)	1,367
Total Offsets (TCO2E)	1,365
Adjustments to GHG Emissions Reported in Prior Years:	
Total Emissions (TCO2E)	-1
Total Offsets (TCO2E)	0
Total Emissions for Offset for the 2014 Reporting Year	
Total Offsets (TCO2E)	1,365



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2014 Carbon Neutral Action Report (CNAR) - Part 2 ACTIONS

Organization Name

SD 45 (West Vancouver)

Actions Taken to Reduce Emissions

1) Stationary Fuel Combustion, Electricity (Buildings): Indicate which actions were taken in 2014:

Performed energy retrofits on existing buildings

Yes

Built or are building new LEED Gold or other "Green" buildings.

No

Undertook an evaluation of overall building energy use.

Yes

Please list any other actions taken to reduce emissions from Buildings:

(No response)

2) Mobile Fleet Combustion (Fleet and other vehicles): Indicate which actions were taken in 2014:

Do you have a fleet?

No

Replaced existing vehicles with more fuel efficient vehicles (gas/diesel)

Yes

Replaced existing vehicles with hybrid or electric vehicles

No

Reduced the overall number of fleet vehicles

Yes

Took steps to drive less than last year

No

Please list any other actions taken to reduce emission from fleet:

(No response)

3) Supplies (Paper):Indicate which actions were taken in 2014:

Used less paper than previous year

Yes

Used only 100% recycled paper

No

Used some recycled paper

Yes

Used alternate source paper (Bamboo, hemp, etc.)

Yes

Please list any other actions taken to reduce emissions from paper use:

Reduced number of printers. Set all printers/copiers to double-sided print; installed secure print on all devices. Conduct paperless board meetings. Installed short-throw projectors in all classrooms, provided personal devices to all staff, implementing websites for all teachers and electronic portfolios for all students; use of google-docs for document sharing.

Page 3

Actions Taken to Reduce Emissions - continued

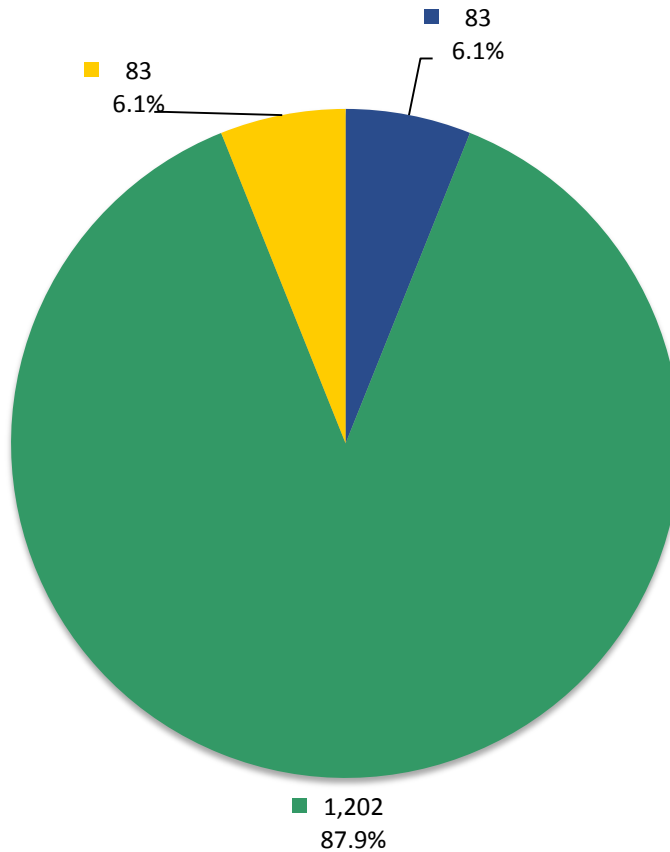
Explain how you plan to continue minimizing emissions in 2015 and future years:

We continue to discourage printing and paper use; continue to hold virtual meetings where appropriate; replace printing devices and fleet vehicles as necessary with newer/more efficient models; continue to contract for utilities monitoring and address behavior/equipment issues at sites where consumption doesn't follow expected performance; continue with DDC controls implementation

If you wish to list any other "sustainability actions" outside of buildings, fleet, paper and travel check "yes". This reporting is optional.

No

School District 45 - West Vancouver Greenhouse Gas Emissions by Source for the 2014 Calendar Year (tCO₂e*)



Total Emissions: 1,367

- Mobile Fuel Combustion (Fleet and other mobile equipment)
- Stationary Fuel Combustion (Building Heating and Generators) and Electricity
- Supplies (Paper)

Offsets Applied to Become Carbon Neutral in 2014 (Generated June 23, 2015 2:36 PM)

Total offsets required: **1,365**. Total offset investment: **\$34,125**. Emissions which do not require offsets: **3** **

*Tonnes of carbon dioxide equivalent (tCO₂e) is a standard unit of measure in which all types of greenhouse gases are expressed based on their global warming potential relative to carbon dioxide.

** Under the *Carbon Neutral Government Regulation of the Greenhouse Gas Reduction Targets Act*, all emissions from the sources listed above must be reported. As outlined in the regulation, some emissions do not require offsets.