



## **School District 45 (West Vancouver) 2015 Carbon Neutral Action Report**

### **Declaration Statement:**

This *Carbon Neutral Action Report* for the period January 1<sup>st</sup> to December 31<sup>st</sup>, 2016, summarizes our emissions profile, the amount of offsets purchased 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 SD45's final *Carbon Neutral Action Report* will be posted to our website at [www.sd45.bc.ca](http://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.

The 2007 Greenhouse Gas Reduction Targets Act established the following emission reduction targets for the B.C. public sector:

- By 2020, B.C. will reduce greenhouse gas emissions (GHG) by 33 per cent, compared to 2007 levels.
- By 2050, GHG emissions will be reduced by at least 80 per cent below 2007 levels.
- To meet the legislated targets, all public sector organizations including school districts are required to be carbon neutral.

Achieving carbon neutrality involves four specific actions: measuring operational GHG emissions, reducing emissions where possible, offsetting the remainder of emissions, and reporting on emissions reduction actions. A carbon offset is a greenhouse gas emissions reduction tool that is used to compensate for emissions. Offsets, measured in terms of carbon dioxide equivalency, represent the net reduction in emissions that occurs when carbon offset payments are invested by the provincial government in emissions-reducing projects.

Our 2016 *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.

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.

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.

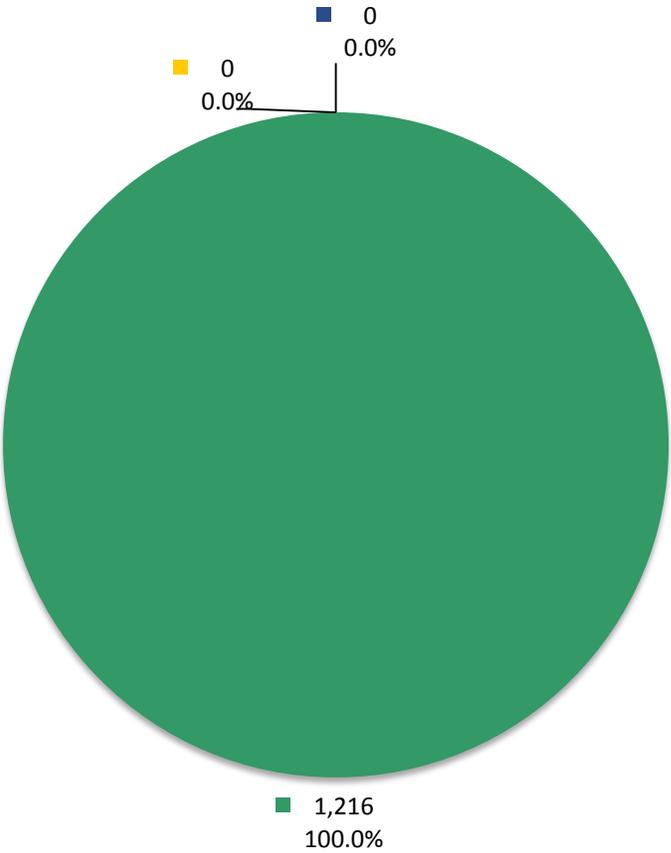
The West Vancouver School District is committed to the province's climate action initiative. We will continue to improve our environmental behaviors and learn from the leadership provided by our students, who encourage sustainable practices in our district every day.

<b>School District 45 (West Vancouver) GHG Emissions and Offsets for 2016 (TCO2E)</b>	
<b>GHG Emissions created in Calendar Year 2015:</b>	
Total Emissions (TCO2E)	1,215
Total Offsets (TCO2E)	1,215
<b>Adjustments to GHG Emissions Reported in Prior Years:</b>	
Total Emissions (TCO2E)	0
Total Offsets (TCO2E)	0
<b>Total Emissions for Offset for the 2015 Reporting Year</b>	
Total Offsets (TCO2E)	1,215



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**School District 45 - West Vancouver  
Greenhouse Gas Emissions by Source  
for the 2016 Calendar Year (tCO<sub>2</sub>e\*)**



**Total Emissions: 1,216**

- 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 2016 (Generated May 15, 2017 4:05 PM)**

Total offsets required: **1,216**. Total offset investment: **\$30,400**. Emissions which do not require offsets: **0** \*\*

\*Tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e) 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.

# 2016 Carbon Neutral Action Report Survey

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Part One (external)

Contact Name(s):

*wade Hickey*

Organization Name:

*West Vancouver Schools*

Please select your sector:

- School District

1) Stationary Sources (Buildings, Power Generators): Fuel Combustion, Electricity use, Fugitive Emissions.

During 2016, did your organization take any of the following actions to support emissions reductions from buildings?

Select all that apply

*(No response)*

Briefly describe your organization's plans to continue reducing emissions from its stationary sources in future years.

*Currently working on Energy performance Contracting pilot project as well as LED lighting throughout the school district.*

During 2016, did your organization participate in utility-sponsored energy demand management program(s) (e.g. BC Hydro's Energy Management (Manager))?

*No*

If yes, please describe briefly:

*(No response)*

2) Mobile Sources (Vehicles, Off-road/Portable Equipment): Fuel Combustion.

During 2016, did your organization take any of the following actions to support emission reductions from its mobile sources?

Select all that apply

*(No response)*

Briefly describe your organization's plans to continue reducing emissions from its mobile sources in future years.

*looking at fleet replacement for our aging fleet*

3) Supplies (Paper):

During 2016, did your organization take any of the following actions to support emissions reductions from paper supplies?

Select all that apply

*(No response)*

Briefly describe your organization's plans to continue reducing emissions associated with its office paper use in future years.

*installation of secure print throughout district*

4) Other Sustainability Actions:

Business Travel:

During 2016, did your organization take any of the following actions to support emissions reductions from business travel?

Select all that apply

*(No response)*

Education Awareness:

During 2016, did your organization have any of the following programs or initiatives to support sustainability education and awareness?

Select all that apply

*(No response)*

Other Sustainability Actions:

During 2016, did your organization have any of the following programs or initiatives to support sustainability?

Select all that apply

*(No response)*