



School District

No. 40

**NEW
WESTMINSTER**

2014

**CARBON NEUTRAL
ACTION REPORT**

EXECUTIVE SUMMARY


On behalf of School District #40, New Westminster, I am pleased to submit the 2014 Carbon Neutral Action Report. New Westminster School District continues to actively work towards carbon neutrality. The Board believes district staff has a responsibility to ensure that every effort is made to conserve energy and natural resources while exercising sound financial management. We believe each employee, student and school volunteer, should be encouraged to actively participate in district sustainability programs to the point that acting in a sustainable manner will be "second nature" for everyone. Reducing energy use and GHG emissions will benefit the district by a reduction in expenses, provide a less environmental impact on the surrounding area and be a positive example within the community by demonstrating that our district is leading the way.

At all sites the School District reduced the number of photocopiers by 20% in December 2014. We anticipate a reduction in paper emissions for 2015 thereby reducing our Greenhouse Gases. In comparison from 2013 and 2014 our emissions have greatly reduced in all areas by a total reduction of 273.69 tCO₂e (-14.97%). Fleet emissions reduced by 4.02 tCO₂e and paper emissions reduced by 10.19. Our greatest reduction of 259.48 tCO₂e was from building emissions as shown from electricity, gas and propane usage. Electrical reductions are shown due to electrical upgrades at three sites. The District installed LED and motion sensors to reduce wattage and provide a longer lasting light. At one site we installed a Hybrid boiler and upgraded DDC, resulting in a change from pneumatic to electronic controls.

Students enrolled in our Foundations for Success Program and students participating on school teams were previously transported by cab service and are now travelling by a bus service.

Our replacement Elementary School and our new Middle School are both designed to achieve LEEDS Gold Standards.

School District No. 40 is proud of our continued work towards achieving carbon neutrality with conscious and committed effort to support energy and natural resource conservation.


John Gaipman

Superintendent of Schools

Greenhouse Gas Emissions

- 2014 Greenhouse Gas (GHG) Emissions: 1580 tonnes of CO₂e

	<u>Emissions Reported in 2013</u>	<u>Emissions Reported in 2014</u>
Total Emissions	1829	1555
Emissions for offsets	1827	1553

The following chart gives a detailed comparison of the Greenhouse Emissions for New Westminster School District's calendar year 2013 to 2014.

<i>Emission Source</i>	<i>2013 (tCO₂e)</i>	<i>2014 (tCO₂e)</i>	<i>2013 vs 2014</i>
Buildings			
Electricity	57	38.56	
Natural Gas & Propane	1623.65	1382.61	-259.48 (-15.44%)
Fleet – Mobile	59.77	55.75	- 4.02 (-6.73%)
Office Paper	88.43	78.24	- 10.19 (-11.5%)
Total Emissions	1828.85	1555.16	- 273.69 (-14.97%)

Changes to Greenhouse Gas Emissions and offsets Reporting from previous years Greenhouse Gas Emissions

Following the public release of School District No. 40, New Westminster's 2011 Carbon Neutral Action Report it was determined that the total emissions for the 2010/2011 calendar year were over reported by 74 tonnes CO₂e and offsets required to become carbon neutral in 2011 were over reported by 74 tonnes CO₂e. The surplus of offsets purchased in 2011 has been applied against our 2012 emissions.

Total Emissions for the Calendar year 2013 is 1829 and the Total Emissions for Offsets is 1827, the adjustment for Emissions Reported in previous year is 2 tonnes CO₂e.

Total Emissions for the Calendar year 2014 is 1555 and the Total Emissions for offsets is 1553. The adjustment for Emissions Reported in previous year is 1 tonne CO₂e.

Emissions Reduction Activities

We continue to manage energy management software on computers and to manage default duplex printing on print devices. We have increased scanning access on all photocopiers and our school sites are using re-cycled newsprint. Our employees will be reminded of energy conservation by stickers placed at their site reminding them to turn off the lights. The district has initiated an energy management program district wide.

The District has implemented fuel combustion and electrical reductions on five schools following our five year capital plan. Electrical upgrades with motion detectors and retrofitted to LED lighting. DDC upgrades, condensing boilers and automated control upgrades.

Our District plan is to have a total reduction of 20% in energy consumption in the next 5 years

Plans to Continue Reducing Greenhouse Gas Emissions 2015 - 2016

School District #40, New Westminster will grow by 1600 sq. meters this year and with this in mind we are looking to reduce our greenhouse emissions in the next three years as follows:

We are entering an Energy Management Program and plan to reduce gas emissions by introducing a DDC program and installing HVAC equipment upgrades. We plan to re-commission our mechanical systems at all schools on our five year school renewal plan. The school district is implementing a vehicle replacement program that will replace current vehicles with smaller more efficient models. With regards to paper emissions, the district is encouraging the staff to use electronic messages and to use re-cycled paper.

We continue to encourage New Westminster students and employees to commit their efforts to support our energy efficient plans.

Offsets Applied to Become Carbon Neutral in 2014

In order to become carbon neutral for 2014, the Board of Education of School District #40 (New Westminster) purchased carbon offsets for 1555 tonnes of CO₂e from the Pacific Carbon Trust on May 1, 2015. As required by section 5 of the Carbon Neutral Government Regulation, .49 tonnes CO₂e of emissions resulting from the operation of heavy duty maintenance vehicles were reported as part of our greenhouse gas emissions profile in 2014.

However, they were not offset as they are out-of-scope under section 4(2)© of the Carbon Neutral Government Regulation.

SMARTTool Greenhouse Gas Inventory Report

Reporting Entity: School District 40 - New Westminster

Reporting Year: Calendar Year 2014

		Greenhouse Gases in Tonnes				
	Measure	Quantity	CO ₂	CH ₄	N ₂ O	tCO ₂ e ¹
Scope 1 (Direct) Emissions						
	Mobile Combustion (Fleet)	Litres	22,198.10	50.77	0.00	53.94
	Stationary Combustion, Estimated ²	GigaJoules	95.31	4.71	0.00	4.74
	Stationary Combustion, Reported ³	GigaJoules	27,627.36	1,369.46	0.03	1,377.87
Total Scope 1 Emissions			1,424.94	0.03	0.04	1,436.55
Scope 2 (Indirect) Emissions						
	Purchased Energy, Reported ³	GigaJoules	13,771.60	38.56	0.00	38.56
Total Scope 2 Emissions			38.56	0.00	0.00	38.56
Scope 3 Emissions						
Business Travel and Office Paper						
	Office Paper	Packages	12,281.00	78.24	0.00	78.24
Total Scope 3 Emissions			78.24	0.00	0.00	78.24
Emissions from Biomass						
Total Biomass Emissions			1.81	0.00	0.00	1.81
Total Emissions, Calendar Year 2014			1,543.55	0.03	0.04	1,555.16

1. Global Warming Potential (GWP) has been applied only to the tCO₂e values.

2. Estimated data has been calculated based on the methods described in the Methodology Document.

3. Reported data refers to consumption which has been directly billed to the organization.

This information is provided by the Government of British Columbia, and is subject to verification.



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Reports ☐

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May 27, 2015

Reporting Unit:

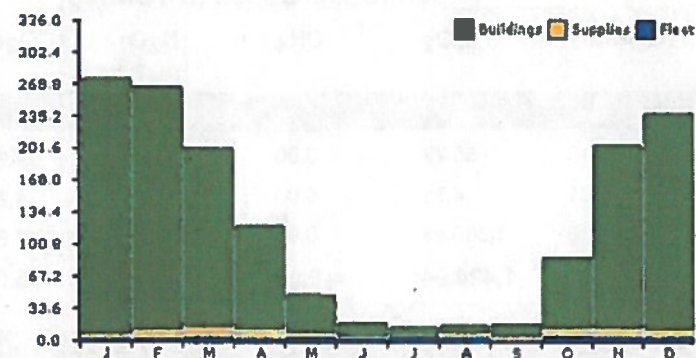
School District 40 - New Westminster ☐
 Calendar Year 2014 ☐
 Show Report

Total Emissions

Calendar Year 2014

School District 40 - New Westminster

Metric tonnes
CO₂ equivalent (tCO₂e)



Click on the bars to view data for each month

Totals Calendar Year 2014, School District 40 - New Westminster

Greenhouse Gases in Tonnes

	Measure	Quantity	CO ₂	BioCO ₂	CH ₄	N ₂ O	tCO ₂ e ¹
Scope 1 (Direct) Emissions							
Mobile Combustion (Fleet)	Litres	22,198.10	50.77	1.81	0.00	0.01	55.75
Stationary Combustion, Estimated ²	GigaJoules	95.31	4.71	0.00	0.00	0.00	4.74
Stationary Combustion, Reported ³	GigaJoules	27,627.36	1,369.46	0.00	0.03	0.03	1,377.87
Scope 2 (Indirect) Emissions							
Purchased Energy, Reported ¹	GigaJoules	13,771.60	38.56	0.00	0.00	0.00	38.56
Scope 3 (Business Travel and Office Paper) Emissions							
Office Paper	Packages	12,281.00	78.24	0.00	0.00	0.00	78.24
Total Emissions, Calendar Year 2014			1,541.74	1.81	0.03	0.04	1,555
Carbon Neutral or Offset Exempt			0.00	1.81	0.00	0.00	2
Total for Offsets⁴			1,541.74	0.00	0.03	0.04	1,553

Each greenhouse gas has been converted to a standard measurement (tCO₂e) by multiplying its emissions by its global warming potential (GWP). The GWP of carbon dioxide (CO₂) from both anthropogenic and biogenic sources is 1, methane (CH₄) is 25, and nitrous oxide (N₂O) is 298. The Totals for tCO₂e are shown here rounded to the nearest whole metric tonne as only whole tonnes of tCO₂e can be purchased for offsets.

² Estimated data has been calculated based on the methods described in the Methodology Document.

³ Reported data refers to consumption which has been directly billed to the organization.

⁴ The tCO₂e value from the "Total for Offsets" line represents the quantity of offset purchases required to become carbon neutral.

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May 27, 2015

Reporting Unit:

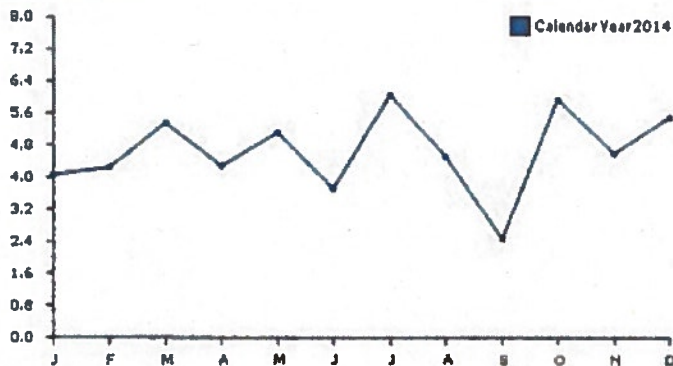
School District 40 - New Westminster ☐
 Calendar Year 2014 ☐
 Show Report

Emissions from Fleet

Calendar Year 2014

School District 40 - New Westminster

Metric tonnes
CO₂ equivalent (tCO₂e)



Click on the points to view data for each month

Mobile Combustion Calendar Year 2014, School District 40 - New Westminster

Reporting Unit	Fuel Type	Volume (L)	Greenhouse Gases in Tonnes				
			CO ₂	BioCO ₂	CH ₄	N ₂ O	tCO ₂ e ¹
School District 40 - New Westminster	Light Duty TruckSUV's, minivans, full-size vans and pickup trucks						
	Diesel	3,022.70	7.73	0.30	0.00	0.00	8.23
	Gasoline	15,659.30	34.06	1.17	0.00	0.01	38.03
		18,682.00	41.79	1.47	0.00	0.01	46.25
	Heavy Duty Road vehicles with a gross vehicle weight rating (GVWR) over 3900 Kg (8600 lbs)						
	Diesel	3,516.10	8.99	0.34	0.00	0.00	9.50
		3,516.10	8.99	0.34	0.00	0.00	9.50
		22,198.10	50.77	1.81	0.00	0.01	55.75
Total Emissions, Calendar Year 2014		22,198.10	50.77	1.81	0.00	0.01	56
Carbon Neutral or Offset Exempt			0.00	1.81	0.00	0.00	2
Total for Offsets ⁴			50.77	0.00	0.00	0.01	54

Each greenhouse gas has been converted to a standard measurement (tCO₂e) by multiplying its emissions by its global warming potential (GWP). The GWP of carbon dioxide (CO₂) from both anthropogenic and biogenic sources is 1, methane (CH₄) is 25, and nitrous oxide (N₂O) is 298. The Totals for tCO₂e are shown here rounded to the nearest whole metric tonne as only whole tonnes of tCO₂e can be purchased for offsets.

2. Estimated data has been calculated based on the methods described in the Methodology Document.

3. Reported data refers to consumption which has been directly billed to the organization.

4. The tCO₂e value from the "Total for Offsets" line represents the quantity of offset purchases required to become carbon neutral.

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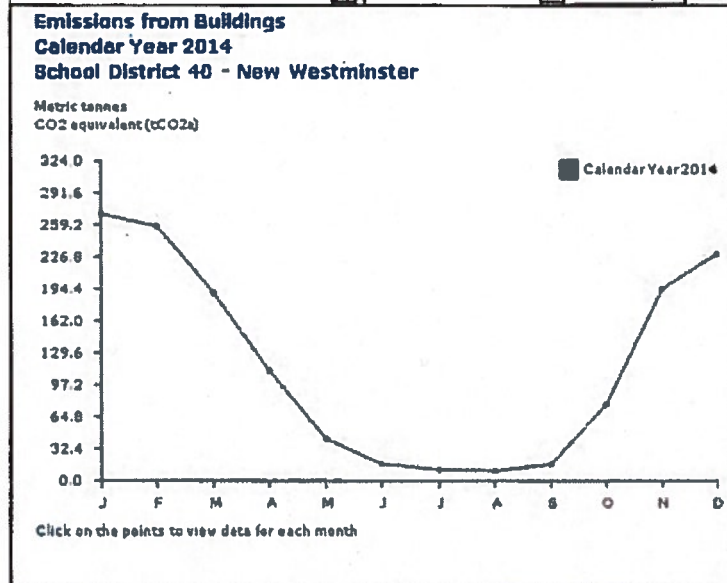
Reports

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May 27, 2015

Reporting Unit:

School District 40 - New Westminster
 Calendar Year 2014
 Show Report



Emissions from Buildings Calendar Year 2014, School District 40 - New Westminster

Reporting Unit	Fuel Type	Energy (GJ)	Greenhouse Gases in Tonnes				
			CO ₂	BioCO ₂	CH ₄	N ₂ O	tCO ₂ e ¹
School District 40 - New Westminster	Electricity	13,771.60	38.56	0.00	0.00	0.00	38.56
	Natural Gas	27,323.30	1,351.35	0.00	0.03	0.02	1,359.36
	Natural Gas Estimate	95.31	4.71	0.00	0.00	0.00	4.74
	Propane Gas	304.06	18.10	0.00	0.00	0.00	18.50
		41,494.27	1,412.73	0.00	0.03	0.03	1,421.17
Total Emissions, Calendar Year 2014		41,494.27	1,412.73	0.00	0.03	0.03	1,421
Carbon Neutral or Offset Exempt			0.00	0.00	0.00	0.00	0
Total for Offsets ⁴			1,412.73	0.00	0.03	0.03	1,421

Each greenhouse gas has been converted to a standard measurement (tCO₂e) by multiplying its emissions by its global warming potential (GWP). The GWP of carbon dioxide (CO₂) from both anthropogenic and biogenic sources is 1, methane (CH₄) is 25, and nitrous oxide (N₂O) is 298. The Totals for tCO₂e are shown here rounded to the nearest whole metric tonne as only whole tonnes of tCO₂e can be purchased for offsets.

2. Estimated data has been calculated based on the methods described in the Methodology Document.

3. Reported data refers to consumption which has been directly billed to the organization.

4. The tCO₂e value from the "Total for Offsets" line represents the quantity of offset purchases required to become carbon neutral.

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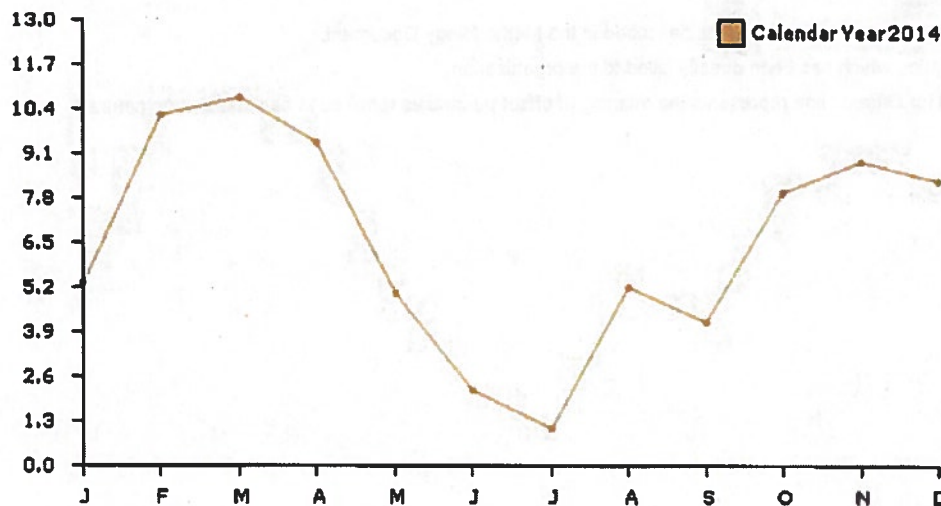
February 4, 2015

Reporting Unit:

School District 40 - New Westminster

Calendar Year 2014

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Emissions from Office Supplies**Calendar Year 2014****School District 40 - New Westminster**Metric tonnes
CO₂ equivalent (tCO₂e)

Click on the points to view data for each month

Office Supplies Calendar Year 2014, School District 40 - New Westminster

Reporting Unit	Supply Type	Quantity (PKG)	Greenhouse Gases in Tonnes				
			CO ₂	BioCO ₂	CH ₄	N ₂ O	tCO ₂ e ¹
School District 40 - New Westminster	8.5 x 11 Paper8.5 x 11 (letter) 20 lb bond paper. All colours. Post-consumer recycled content indicated by percentage.						
	0 %	10,100.00	64.21	0.00	0.00	0.00	64.21
	30 %	1,439.00	8.13	0.00	0.00	0.00	8.13
	100 %	320.00	1.28	0.00	0.00	0.00	1.28
		11,859.00	73.63	0.00	0.00	0.00	73.63
	8.5 x 14 Paper8.5 x 14 (legal) 20 lb bond paper. All colours. Post-consumer recycled content indicated by percentage.						
	0 %	160.00	1.30	0.00	0.00	0.00	1.30
	30 %	2.00	0.01	0.00	0.00	0.00	0.01
		162.00	1.31	0.00	0.00	0.00	1.31

11 x 17 Paper11 x 17 (ledger) 20 lb bond paper. All colours. Post-consumer recycled content indicated by percentage.

0 %	250.00	3.19	0.00	0.00	0.00	3.19
30 %	10.00	0.11	0.00	0.00	0.00	0.11
	260.00	3.30	0.00	0.00	0.00	3.30
	12,281.00	78.24	0.00	0.00	0.00	78.24
Total Emissions, Calendar Year 2014	12,281.00	78.24	0.00	0.00	0.00	78
Carbon Neutral or Offset Exempt		0.00	0.00	0.00	0.00	0
Total for Offsets⁴		78.24	0.00	0.00	0.00	.78

Each greenhouse gas has been converted to a standard measurement (tCO₂e) by multiplying its emissions by its global warming potential (GWP). The GWP of carbon dioxide (CO₂) from both anthropogenic and biogenic sources is 1; methane (CH₄) is 21, and nitrous oxide (N₂O) is 310. The Totals for tCO₂e are shown here rounded to the nearest whole metric tonne as only whole tonnes of tCO₂e can be purchased for offsets.

2. Estimated data has been calculated based on the methods described in the Methodology Document.

3. Reported data refers to consumption which has been directly billed to the organization.

4. The tCO₂e value from the "Total for Offsets" line represents the quantity of offset purchases required to become carbon neutral.



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May 20, 2015

Reporting Unit:

School District 40 - New Westminster

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Welcome Mary Luccock

These are the School District 40 - New Westminster GHG Emissions and Offsets (tCO₂e)* for Reporting Year 2014, as of May 20, 2015

On May 1st, 2015 these will be the final numbers for 2014 to be reported in the Carbon Neutral Action Report to the Climate Action Secretariat

GHG's created in Calendar Year 2014

Total Emissions	Total Offsets	View Reports
1,555	1,553	

Adjustments to GHG's Reported in Prior Years

Total Emissions	Total Offsets	View Event Log
0	1	

Total Emissions for Offset for the 2014 Reporting Year

This is the total of emissions that require offset purchases for Reporting Year 2014

Total Offsets
1,554

*Each greenhouse gas has been converted to a standard measurement (tCO₂e) by multiplying its emissions by its global warming potential (GWP). The Totals for tCO₂e are shown here rounded to the nearest whole metric tonne as only whole tonnes of tCO₂e can be purchased for offsets.

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CARBON NEUTRAL GOVERNMENT 2014

SELF CERTIFICATION CHECKLIST

SUBMISSION DEADLINE: MAY 15, 2015

**2014 Public Sector Greenhouse Gas Emissions Measurement & Reporting for
BC Carbon Neutral Public Sector Organizations subject to the *Greenhouse Gas Reductions Target Act* (GGRTA)**

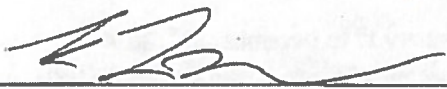
Please review the following statements and circle the most appropriate answer based on whether you agree ("Yes") or disagree ("No") with the statement in the context of the Carbon Neutral Government Regulation (CNGR) and the Greenhouse Gas Reduction Targets Act (GGRTA). In the case where "No" is the appropriate response, please provide an attachment outlining the rationale and what actions will be taken to correct the situation.

1. I am familiar with requirements of the Carbon Neutral Government Regulation, the <i>Greenhouse Gas Reduction Targets Act</i> and the greenhouse gas measurement boundaries under the legislation.	<input checked="" type="radio"/> Yes	<input type="radio"/> No
2. The personnel involved in the greenhouse gas (GHG) measurement and reporting process understand the legislation and the boundaries and have received appropriate training to fulfill their roles.	<input checked="" type="radio"/> Yes	<input type="radio"/> No
3. The energy, fuel and paper consumption data collection process has been designed to capture all required source data within the CNGR reporting boundary.	<input checked="" type="radio"/> Yes	<input type="radio"/> No
4. The list of the organization's GHG emission sources in each category of emissions (buildings, fleet, paper and fugitive emissions) is complete over the reporting period.	<input checked="" type="radio"/> Yes	<input type="radio"/> No
5. Source data has been reviewed, assessed and reconciled for completeness and consistency in the appropriate reporting period and for reasonableness prior to upload into SMARTTool	<input checked="" type="radio"/> Yes	<input type="radio"/> No
6. The GHG measurement report generated by SMARTTool has been reviewed and assessed for reasonableness. If any unresolved issues exist, they have been brought forward to the Climate Action Secretariat and/or Shared Services BC.	<input checked="" type="radio"/> Yes	<input type="radio"/> No
7. Source data and any other support documentation have been filed and will be retained for 7 years.	<input checked="" type="radio"/> Yes	<input type="radio"/> No
8. In my assessment, I have not become aware of any significant internal control weaknesses or deficiencies in the GHG measurement process that might have impacted the accuracy and completeness of the source data uploaded into SMARTTool.	<input checked="" type="radio"/> Yes	<input type="radio"/> No

Signoff on reverse side – see next page

For use by organizations subject to the *Greenhouse Gas Reduction Targets Act* (2007)

As the designated representative I certify that I have personally examined, and am familiar with, the processes used to capture, compile and report data for the purposes of meeting the Carbon Neutral Government Regulation under the *Greenhouse Gas Reduction Targets Act*. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information on this checklist are to the best of my knowledge and belief true, accurate, and complete.

	March 6 / 15
Signature (CFO or Secretary-Treasurer)	Date
Kevin Lorenz	Secretary - Treasurer
Name (please print)	Title
School District No. 40	
Organization	

Please email completed form to climateactionsecretariat@gov.bc.ca

CRAB OVERVIEW TEMPLATE

[Text in italics should be removed or replaced with information specific to your organization.]

Title: *must read* "2014 Carbon Neutral Action Report"

Organization name:

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 [Organization X's] final *Carbon Neutral Action Report* will be posted to our website at www.XXXX.com.

Overview:

[Please include a high-level summary of the following: actions taken in 2014; success stories (if applicable); overall initiatives which tie in with GHG emissions reductions; and plans to continue reducing emissions in 2015 and beyond.]

Emissions and Offsets Summary Table:


[The final values to complete this table will be available on your SMARTTool Home page by May 15, 2015.]

[Organization X] GHG Emissions and Offsets for 2014 (TCO2E)	
GHG Emissions created in Calendar Year 2014 (from SMARTTool Homepage):	
Total Emissions (TCO2E)	1555
Total Offsets (TCO2E)	1553
Adjustments to GHG Emissions Reported in Prior Years (from SMARTTool Homepage):	
Total Emissions (TCO2E)	1
Total Offsets (TCO2E)	1
Total Emissions for Offset for the 2014 Reporting Year (from SMARTTool Homepage)	
Total Offsets (TCO2E)	1554

Executive sign-off:

[To be signed by a senior executive, such as CEO, COO or Superintendent]

Signature



Name (please print)

K. Lorenz

Date

May 29 / 2015

Title

Sec-Treas

2014 Carbon Neutral Action Report (CNAR)

- Part 2 ACTIONS

Organization Name

School District #40, New Westminster

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.

Yes

Undertook an evaluation of overall building energy use.

Yes

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

The District implemented reductions in fuel combustion and electrical on existing buildings as follows: Electrical upgrades, motion detectors, DDC upgrades, condensing boilers and automated controls.

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

Do you have a fleet?

Yes

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

No

Replaced existing vehicles with hybrid or electric vehicles

No

Reduced the overall number of fleet vehicles

No

Took steps to drive less than last year

No

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

The District scheduled less projects thereby reducing emissions from the fleet.

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.)

No

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

Reduced emissions from paper use as follows:

- photocopiers switched to automatic double sided.
- purchased white and coloured paper @ 30% re-cycled, for all sites.
- increased scanning access on all photocopiers.
- 8 district sites are using re-cycled newsprint.

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Actions Taken to Reduce Emissions - continued

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

The District plans to investigate and discover alternate energy sources that would reduce or eliminate emissions.

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

Yes

Actions to Promote Sustainability and Conservation - OptionalThe following are actions that fall outside the scope of the Carbon Neutral Government Regulation, but which many organizations still undertake and may wish to report on. This section is optional for reporting.

Business TravelCreated a low-carbon travel policy or travel reduction goal (Low-carbon: Lowest emission of greenhouse gases per kilometre per passenger)

No

Virtual Meeting TechnologyInstalled web-conferencing software (e.g., Live Meeting, Elluminate, etc.)

Yes

Made desktop web-cameras available to staff

No

Encourage alternative travel to meetings (e.g., bicycles, public transit, walking)

Yes

Encourage carpooling to meetings

Yes

Education and AwarenessHave created Green, Sustainability, Energy Conservation, or Climate Action Teams.

Yes

Provided resources and/or dedicated staff to support these teams

Yes

Provided behaviour change education/training for these teams (e.g., community-based social marketing)

Yes

Established a sustainability/green awards or recognition program

No

Support green professional development (e.g., workshops, conferences, training)

No

Planning for Climate Change Have assessed whether extreme weather events and/or long term changes in climate will affect our organization's business areas

Yes

Long term changes in climate have been incorporated into our organization's decision making.

Yes

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Actions to Promote Sustainability and Conservation - Optional (continued)

Staff Awareness and Education Provided education to staff about the science of climate change

Yes

Provided education to staff about the conservation of water, energy, and raw materials

Yes

Provided green tips on staff website or in newsletters

No

Alternate Work/Commuting Options Allow for telework/working from home

No

Staff have the option of a compressed work week

No

Commuting by foot, bicycle, carpool or public transit is encouraged

Yes

Shower or locker facilities are provided for staff/students who commute by foot or by bicycle

Yes

Secure bicycle storage is provided

Yes

Other Sustainability Actions Establish a water conservation strategy which includes a plan or policy for replacing water fixtures with efficient models

Yes

Put in place a potable water management strategy to reduce potable water demand of building-level uses such as cooling tower equipment, toilet fixtures, etc. and landscape features

Yes

Have put in place an operations policy to facilitate the reduction and diversion of building occupant waste from landfills or incineration facilities

Yes

**Have implemented a hazardous waste reduction and disposal strategy
(Hazardous Waste: E.g., electronics including computer parts and monitors,
batteries, paints, fluorescent bulbs)**

Yes

**Have incorporated minimum recycled content standards into procurement
policy for consumable, non-paper supplies (e.g., writing instruments, binders,
toner cartridges, etc.)**

No

**Established green standards for goods that are replaced infrequently and/or
may require capital funds to purchase (e.g., office furniture, carpeting, etc.)**

Yes

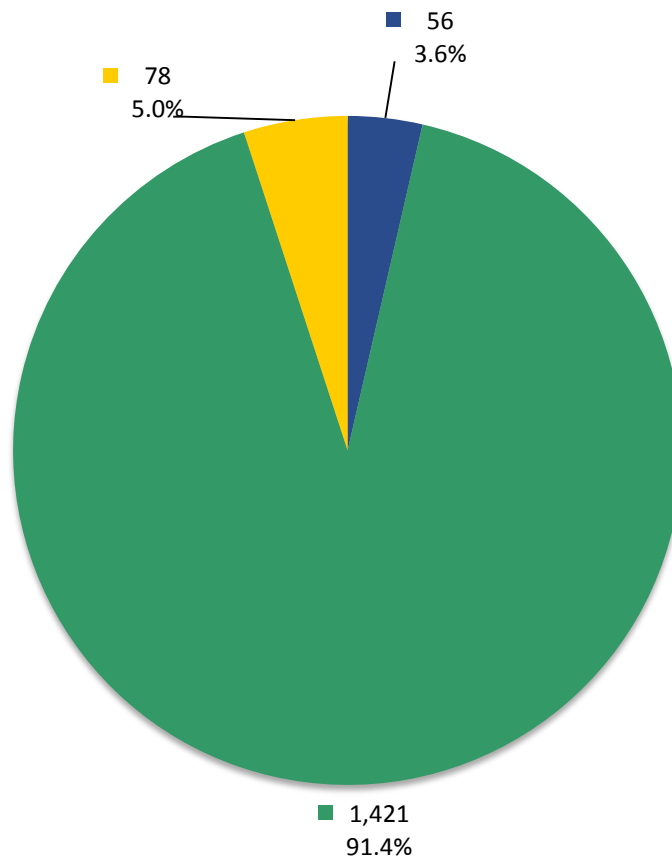
Incorporated lifecycle costing into new construction or renovations

Yes

**Please list and other sustainability actions you wish to report not included in the
previous list.**

(No response)

School District 40 - New Westminster Greenhouse Gas Emissions by Source for the 2014 Calendar Year (tCO₂e*)



Total Emissions: 1,555

- 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 1:17 PM)

Total offsets required: **1,553**. Total offset investment: **\$38,825**. Emissions which do not require offsets: **2** **

*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.