## Carbon Neutral Action Report Nicola Valley Institute of Technology

## **Executive Summary**

NVIT is in the fortunate position of operating out of a relatively new building (2002) that was designed to perform 35% below the Ashram standards for energy efficiency. Thermal mass, an efficient envelope, natural ventilation, and solar control are the primary strategies used to achieve energy targets. Low flush toilets and fixtures are installed to reduce water consumption.

That being said, NVIT is cognizant of the need to change other operational areas that will assist in the reduction of our carbon footprint and are taking steps to do so. Other than investigation and planning, little action towards achieving carbon neutrality took place in 2008. 2009 will be our first year of action.

## Part 1: Actions Taken to Reduce Greenhouse Gas Emissions in 2008

## Overview

NVIT has been using green cleaning products since we moved into this building in 2002 and our food services contractor has always used reusable dishes. Although these were not new actions in 2008 they are an ongoing way to help promote sustainability.

During the 2008 year, NVIT purchased a hybrid vehicle and began investigating replacing two other vehicles with hybrids. We have also been encouraging employees to refrain from printing unnecessary documents, to print double sided wherever possible, and to file documents electronically in shared folders to again prevent unnecessary use of paper.

ction	Action Taken	Outcome/Performance Measure	Notes Clarifying Action Taken
Replaced # of TYPE OF VEHICLE with MORE	complete		Purchased a hybrid vehicle for the Vancouver
EFFICIENT VEHICLE/Hybrid			campus.
1.2 Supplies			
Action	Action Taken	Outcome/Performance Measure	Notes Clarifying Action Taken
Initiated automatic double sided printing	In progress		Email correspondence has been sent out
			requesting employees double side printing - IT
			department ensuring that printer defaults are
			set to double side where possible - a reduction
			in the use of paper will measure this action.
Developed document library (online and one printed	In progress		A number of instruction manuals are in shared
copy) for large documents	In progress		
			folders on our server - more will be added -
			fewer paper copies will result in a reduction of
			the use of paper.

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1.3 Employee Engagement					
Action	Action Taken	Outcome/Performance Measure	Notes Clarifying Action Taken		
Supported professional development	In progress	· · · · · · · · · · · · · · · · · · ·	NVIT has always supported professional		
			development. The Campus Manager has		
			attended a number of workshops and		
			conferences related to reducing GHGs. Future		
			requests to attend such events will be		
			supported.		
1.4 Sustainability Actions (others)					
Action	Action Taken	Outcome/Performance Measure	Notes Clarifying Action Taken		
Improved recycling measures	In progress		Additional recycling boxes were placed on		
	. 5		campus to encourage use by all employees.		
			Further efforts will be made in this regard.		
Used re-usable dishes	Complete		Campus cafeteria has used re-usable dishes		
	Complete		since 2002.		
Purchased green cleaning products	Complete		Green cleaning products have been used since		
	Complete		2002 and will continue to be used.		
Part 2: Plans to Continue Reducing G	roonhouse Gas Emi	issions 2000 2011	2002 and will continue to be used.		
	We will continue to educate and encourage employees to consider the environment when determining what to print and how to print it and to recycle whenever possible. The purchasing officer has been advised to only order 30% recycled paper.  Both campuses have been equipped with video conference capabilities and the use of the equipment will be encouraged to decrease trabetween campuses.  A new daycare/lecture theatre building will be built to LEED Gold or equivalent standard this year.				
2.1 Mobile Fuel Combustion					
Action	Action Planned	Outcome/Performance Measure	Notes Clarifying Action Taken	Timeframe	
Initiate new fleet maintenance program (could include	i idiliica		Education will be provided to employees in		
changing filters, checking tire pressure, regular check- ups)	( <del>-</del>		charge of vehicle maintenance and checks will		
Establish anti-idling behaviour change program (e.g. signs, stickers, messages)	Planned		Education will be provided to all employees regarding this item.		
Establish travel reduction goals	In Progress		Video conference equipment will be utilized whenever possible to decrease travel between campuses. Other travel will be completed only		

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as necessary.

2.2 Stationary Fuel Combustion (including electricity)							
Action	Action Planned	Outcome/Performance Measure	Notes Clarifying Action Taken	Timeframe			
Undertake workstation tune-ups to help staff	Planned		Will work with the IT department and educate				
understand what they can do to reduce personal energy use			employees on the importance of this.				
Undertaken Monitor turn-off challenge							
	Planned		Will work with IT department to come up with				
			a fun challenge for employees.				
Unplug unused equipment	Planned		Will educate employees on the importance of				
			this.				
BC Hydro Inspection	Complete		BC Hydro completed an inspection of our				
			building in February of this year.				
2.3 Supplies							
Action	Action Planned	Outcome/Performance Measure	Notes Clarifying Action Taken	Timeframe			
Commit to use 30% recycled paper	Planned		Discussed with purchasing officer and will be				
			implemented.				
Initiate automatic double sided printing	Planned		Will work with IT department to ensure default				
			on printers is set to double side where				
			possible.				
Use laptops/tablets	In progress		For math classes only to date - unsure at this				
			time if tablets can be used for other courses.				
Restructure a process to use less paper	In progress		We will continue to educate and encourage				
			employees to consider the environment when				
			determining what to print and how to print it				
			and to recycle whenever possible.				
2.4 Employee Engagement							
Action	Action Planned	Outcome/Performance Measure	Notes Clarifying Action Taken	Timeframe			
Provide conservation education	Planned		We will need to investigate this further before				
			outlining any specific plans.				
Provide green tips	Planned		We will need to investigate this further before				
			outlining any specific plans.				
Support professional development	In progress		NVIT has always supported professional				
			development workshops and conferences.				
			Future requests to attend such events related				
			to reducing GHGs will be supported.				
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