

Carbon Neutral Action Report School District No. 84 (Vancouver Island West)

Executive Summary

With the inevitability of climate change, there is a need to look at the contributing factors within our control and take steps to reduce energy usage, such as electricity and the consumption of fossil fuels. In past years, we have seen a 4% plus followed by a 3% reduction in electrical usage. We continue to look for savings by utilising our DDC system, turning down room temperatures fractionally, asking people to turn off lights and equipment when not in use. Building renovations being considered would also include opportunities to upgrade insulation and retro fit with more energy efficient lighting.

Objectives

Educating staff and students to turn off lights when leaving rooms and turn off any appliances or equipment

BC Hydro Power Smart Student program

Educating the public to not idle vehicle engines, particularly when picking up students

Reducing operating costs by energy conservation and behavioural change.

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

Overview

The District has installed multifunction devices in all schools and offices, converted, as much as possible, to green products for cleaning and painting and undertaken lighting and heating upgrades in several buildings.

1.1 Mobile Fuel Combustion

Action	Action Taken	Outcome/Performance Measure	Notes Clarifying Action Taken
Encouraged car pooling in fleet vehicles	In progress	Less fleet vehicles being used.	Trip planning board completed. Education of staff in progress.

1.2 Stationary fuel combustion and electricity

Action	Action Taken	Outcome/Performance Measure	Notes Clarifying Action Taken
Turned off lights in unused rooms	In progress	Reduced electrical costs	Education of staff and students is in progress
Installed multi-function devices (and removed stand-alone printers/faxes)	Complete	Reduced toner and electrical costs	Multi function copiers installed in all facilities
Replaced standard bulbs with CFLs	In progress	Reduced in electrical costs	Replaced as they wear out
Undertaken lighting retrofit	In progress	Reduced in electrical costs	Complete in some locations
Applied for PSECA grant to retrofit school heating system	Complete	Reduced utility costs	Pending approval

1.3 Supplies			
Action	Action Taken	Outcome/Performance Measure	Notes Clarifying Action Taken
Re-used non-confidential scrap paper	Complete	Reduced supplies cost	
Encouraged re-use of furniture and equipment	Complete	Reduced furniture and equipment costs	Schools communicate with each other regarding surplus furniture and equipment and coordinate pick up and delivery through the District
Recycle cardboard	Complete	Reduced waste disposal costs	

1.4 Travel			
Action	Action Taken	Outcome/Performance Measure	Notes Clarifying Action Taken
Participated in webinars and teleconferences	In progress	Less fleet vehicle use	Education of staff is in progress

1.5 Sustainability Actions (others)			
Action	Action Taken	Outcome/Performance Measure	Notes Clarifying Action Taken
Improved recycling measures	In progress	Reduced waste disposal costs	Education of staff is in progress
Purchased green cleaning products	Complete	Less impact on environment	Green products ordered whenever possible
Used green (low-e paints)	Complete	Less impact on environment	Green paint used whenever possible

Part 2: Plans to Continue Reducing Greenhouse Gas Emissions 2009 -- 2011

Overview	<i>The District will continue with the many green initiatives in progress at this time.</i>		
-----------------	---	--	--

2.1 Mobile Fuel Combustion				
Action	Action Planned	Outcome/Performance Measure	Notes Clarifying Action Taken	Timeframe
Establish anti-idling behaviour change program (e.g. signs, stickers, messages)	Planned	Less GHG emissions		2009
Encourage car pooling in fleet vehicles	In progress	Less fleet vehicle use		2009
Encourage staff and students to walk to work and school	Planned	Less GHG emissions		2009
Convert buses to bio-diesel	Planned	Less GHG emissions		2009 - 2011

2.2 Stationary Fuel Combustion (including electricity)				
Action	Action Planned	Outcome/Performance Measure	Notes Clarifying Action Taken	Timeframe
Turn off lights in unused rooms	In progress	Reduced electrical costs		2009
Replace standard bulbs with CFLs	In Progress	Reduced electrical costs		2009 - 2011
Install motion activated lights	Planned	Reduced electrical costs		2009 - 2011
Undertake lighting retrofit	In progress	Reduced electrical costs		2009 - 2011

2.3 Supplies				
Action	Action Planned	Outcome/Performance Measure	Notes Clarifying Action Taken	Timeframe
Develop document library (online and one printed copy) for large documents	Planned	Reduced supplies and toner costs		2010

2.4 Travel				
Action	Action Planned	Outcome/Performance Measure	Notes Clarifying Action Taken	Timeframe
Participation in webinars and teleconferences	In progress	Less fleet vehicle use		2009 - 2011

2.5 Sustainability Actions (others)				
Action	Action Planned	Outcome/Performance Measure	Notes Clarifying Action Taken	Timeframe
Improve recycling measures	In progress	Reduced waste disposal costs		2009 - 2011