

Carbon Neutral Action Report School District No. 51 (Boundary)

Executive Summary

School District No. 51 (Boundary) has gone to the 4 day week and is saving 20 % of its fuel costs and utilities for the Friday's. Our students participate annually in the National Earth Day. Paper and container recycling programs are in all of our facilities. Annually we look at our bus routes restructuring to save on the environment and expenses. Within our facilities we are regulating the fresh air intakes, lowering thermostats and air-conditioning, instituting a weather stripping program to help with our energy consumption. By upgrading plumbing and moving to micro fibre cleaning procedures we will reduce the usage of water.

We have supplied all Principals and Vice Principals, Special Education teachers, Elementary Teachers, and Trustees with a laptop computer and encouraging them to utilize the technology for classroom presentations and meetings to reduce paper consumption.

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

Overview

In 2008 School District No. 51 initiated the following actions to reduce Greenhouse Gases:

Anti-idling on buses

Used technology to reduce paper usage

Limited employees and students access to school building to main entrances to save on loss of energy through outside exits.

Changed custodial cleaning methods

1.1 Mobile Fuel Combustion

Action	Action Taken	Outcome/Performance Measure	Notes Clarifying Action Taken
Replaced # of TYPE OF VEHICLE with MORE EFFICIENT VEHICLE/Hybrid	Complete	Replaced 1992 Van with 2006 Model	
Initiated new fleet maintenance program (could include – changing filters, checking tire pressure, regular check-ups)	Complete	Catalytic Converters put on all buses with electronic controls	
Established anti-idling behaviour change program (e.g. signs, stickers, messages)	Complete	Have put up signs/stickers and have installed automatic shutoff of bus that has been idling for 5 minutes	Some buses with convection heat anti idling in winter automatic shut off is 8 minutes
Other	Complete	Requested staff not to use outside classroom doors except for an emergency. This lowers heating and cooling demands	

1.2 Stationary fuel combustion and electricity

Action	Action Taken	Outcome/Performance Measure	Notes Clarifying Action Taken
Installed motion activated lights	In Progress	Light switches at BCSS. Exit signs in all schools changed to LED	
Utilized desk-top power management settings on computer	Complete	Installed computer program that shuts computers off nightly	

1.3 Supplies

Action	Action Taken	Outcome/Performance Measure	Notes Clarifying Action Taken
Committed to use 100% recycled paper	In Progress	Paper hand towels are all recycled paper	
Committed to hold paperless meetings	Complete	Board Meetings are now paperless. Minutes and Agendas are posted on website	
Developed document library (online and one printed copy) for large documents	In Progress	Posting information electronically on e-mail program First Class so information is available without printing.	
Used laptops/tablets	Complete	All school administrators, special end and elementary teachers have district supplied laptops. Secondary teachers have workstations in their homerooms.	
Restructured a process to use less paper	In Progress	Reduced school photocopying budgets by 10% in hopes of less copying. Maintenance and technology work order systems are now electronic	
Actions on non-paper related supplies:			
Encouraged re-use of furniture and equipment	In Progress	On going	

1.4. Sustainability Actions (others)

Action	Action Taken	Outcome/Performance Measure	Notes Clarifying Action Taken
Took water conservation measures – low flow showers or toilets, fix leaks	In Progress	Sensor urinals and water closets	
Reduced/replaced bottled water with filtered or refrigerated water	Complete	Provided all employees with metal water bottle, bottle water no longer provided at meetings	
Improved recycling measures	In Progress	Schools are recycling	
Supported composting	In Progress	Some schools are composting	
Used re-usable dishes	In Progress	At Board Office and at Schools	
Purchased green cleaning products	In Progress	G-Force cleaning products and micro fibre cleaning system	

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

Overview

School District No. 51 (Boundary) plans for the future include the following:

Efficient usage of vehicles including buses.
 Reducing electrical consumption by upgrading lighting
 Instituting a weather stripping program.
 Continue to use technology to reduce travel and paper consumption.

2.1 Mobile Fuel Combustion

Action	Action Planned	Outcome/Performance Measure	Notes Clarifying Action Taken	Timeframe
Provide driver training to reduce fuel use	In Progress	Will need to find out what % saving results from this. Hope to change behaviours that result in both on and off the job. 100% of Bus Drivers and Maintenance staff will be trained.	Have sent our Driver for training. Once he has all the materials required he will provide the other drivers with the service	
Initiate new fleet maintenance program (could include – changing filters, checking tire pressure, regular check-ups)	Planned	Examine bus routes for efficiencies		
Establish travel reduction goals	Planned	Work with Maintenance staff to use their vehicles more efficiently when going between job sites and for lunch and breaks		
Other:	In Progress	PAC parent at one of our schools is organizing a walking school bus		

2.2 Stationary Fuel Combustion (including electricity)

Action	Action Planned	Outcome/Performance Measure	Notes Clarifying Action Taken	Timeframe
Replace standard bulbs with CFLs	Planned	Have very few will replace with CFL's as inventory is used up		
Undertake lighting retrofit	Planned	Replacing ballasts and bulbs at 4 schools through PSECA funding		
Other:	Planned	Installing Heat Pumps in some schools to save on energy consumption for heat and air conditioning through PSECA funding		
	Planned	Replace weather stripping on all doors and windows throughout school		

2.3 Supplies

Action	Action Planned	Outcome/Performance Measure	Notes Clarifying Action Taken	Timeframe
Commit to use 100% recycled paper	In Progress	Continue to reduce photocopying by using scanners available on photocopiers in some schools		
Initiate automatic double sided printing	Planned	Set default to double siding		
Commit to hold paperless meetings	In Progress	Expand to Board Committees and School Staff meetings		Sep-09
Develop document library (online and one printed copy) for large documents	In Progress	Moving Teacher contract, CUPE contract, Safety Program to First Class		
Restructure a process to use less paper	In Progress	Moving to BCeSIS report cards and IEP's		Sep-09

2.4 Travel

Action	Action Planned	Outcome/Performance Measure	Notes Clarifying Action Taken	Timeframe
Train staff in the use of Live Meeting (or other desktop collaborative software)	In Progress	Principal Vice Principal meetings done by Conference Call	Hoping to move to Elluminate or I Chat for some committees and meeting	
Install Video Conferencing facilities	In Progress	Use Boundary Community Futures and Interior Health facilities		

2.5 Employee Engagement

Action	Action Planned	Outcome/Performance Measure	Notes Clarifying Action Taken	Timeframe
Develop Green Teams	In Progress	District Green Team established in January 2009. Working with all community partners to bring in realistic sustainable initiatives		