

**Carbon Neutral Action Report
School District No. 69 (Qualicum)**

Executive Summary

Energy conservation has been a consistent focus of this District for many years and has been a particular goal for our Operations & Maintenance Department. We are a PowerSmart partner with BC Hydro and have for many years utilized DDC controls to manage heating in our facilities.

Last year, the District undertook a lighting audit of its schools. The result was a recommendation for upgrades to six schools and we are pleased to say that tenders have now been approved for four of those six.

Our District also runs a transportation system and two years ago instituted a non-idling program. Further, we are engaged in an ongoing program to replace diesel buses with more environmentally-friendly propane fuelled vehicles.

Objectives

The Board's Vision states: " We are a dynamic, collaborative, sustainable learning organization where each individual is valued and a contributing member of the global community." The Board has included the concepts of sustainability, global obligations and individual responsibility, which are all consistent with respect for and preservation of our environment.

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

Overview

During 2008, the District has continued to refine its control systems, targeting energy use. It has conducted a lighting audit and posted anti-idling signage at all of its sites.

1.1 Mobile Fuel Combustion

Replaced # of TYPE OF VEHICLE with MORE EFFICIENT VEHICLE/Hybrid	in progress	ongoing program to replace diesel buses with propane fuelled buses
Provided driver training to reduce fuel use	in progress	ongoing annual training
Initiated new fleet maintenance program (could include – changing filters, checking tire pressure, regular check-ups)	complete	
Established anti-idling behaviour change program (e.g. signs, stickers, messages)	complete	done in prior year, anti-idling signs at all schools and worksites

1.2 Stationary fuel combustion and electricity

	increased monitoring of genset (one island school is powered by a generator)		
Action	Action Taken	Outcome/Performance Measure	Notes Clarifying Action Taken
Undertaken workstation tune-ups to help staff understand what they can do to reduce personal energy use	in progress		
Supplied power bars – to turn off power to non-essential items when not in use (e.g. phone chargers)	in progress	District wide	switched power to labs; power bars on all computers
Undertaken Monitor turn-off challenge	in progress		
Replaced # computers with EnergyStar models	in progress		most computers, not all monitors
Asked staff to close blinds daily	complete		part of routine responsibilities in buildings prior to commencement of custodial shifts
Replaced standard bulbs with CFLs	in progress		District has an ongoing program for replacement
Implemented server virtualization	in progress		
Utilized desk-top power management settings on computer	in progress	District wide	
Initiated corporate computer shut-down/wake-up for maintenance	in progress		
Undertaken building energy audit at LOCATION(s)	complete		audits completed for 3 sites

1.3 Supplies

Action	Action Taken	Outcome/Performance Measure	Notes Clarifying Action Taken
Actions on non-paper related supplies:			
Encouraged re-use of furniture and equipment	in progress		computers that are replaced are cascaded to other sites/programs in the District

1.4 Sustainability Actions (others)

	water conservation		
Action	Action Taken	Outcome/Performance Measure	Notes Clarifying Action Taken
Took water conservation measures – low flow showers or toilets, fix leaks	in progress		as upgrades are done, fixtures are replaced with low flow fixtures
Supported sustainable procurement practices	in progress		

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

Overview

The District is of the view that energy and environmental conservation is a project that is never complete, that initiatives are commenced become part of the culture and are ongoing. Given that statement, the Board intends to continue to replace diesel vehicles with propane fuelled ones, to assess all planned renovations for improvement in energy efficiency and to commence programs and information for employee participation.

2.1 Mobile Fuel Combustion

District has an overall plan to maintain its propane fuelled vehicles and replace diesel with propane as part of their regular replacement cycle

Action	Action Planned	Outcome/Performance Measure	Notes Clarifying Action Taken	Timeframe
Replace # of TYPE OF VEHICLE with MORE EFFICIENT VEHICLE/Hybrid	in progress		program to replace diesel buses	10 yrs
Provide driver training to reduce fuel use	in progress			each year
Encourage car pooling in fleet vehicles	in progress		schedule work assignments to permit pooling	

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 understand what they can do to reduce personal energy use	in progress		education and information distributed by e-mail	ongoing
Supply power bars – to turn off power to non-essential items when not in use (e.g. phone chargers)	in progress			2009
Undertaken Monitor turn-off challenge	in progress			2009
Replace # computers with EnergyStar models	in progress		all computers and monitors	2010

2.3 Supplies

Action	Action Planned	Outcome/Performance Measure	Notes Clarifying Action Taken	Timeframe
Commit to hold paperless meetings	in progress		SharePoint implementation	2010
Develop document library (online and one printed copy) for large documents	in progress		SharePoint implementation	2009
Use collaborative software to edit on-line	in progress		SharePoint implementation	2009
Use laptops/tablets	in progress		all trustees provided with laptops, agenda distributed electronically	ongoing

2.4 Employee Engagement

Action	Action Planned	Outcome/Performance Measure	Notes Clarifying Action Taken	Timeframe
Provide conservation education	in progress		pamphlets distributed to drivers	annually
Support professional development	in progress			

2.5 Sustainability Actions (others)

Researching technologies to support GHG reductions; communication as to what other organizations/districts are doing

ADDITIONAL ACTIONS TAKEN OR PLANNED	Action Planned	Outcome/Performance Measure	Notes Clarifying Action Taken	Timeframe
			review initiatives undertaken with other districts	