

Carbon Neutral Action Report School District No. 43 (Coquitlam)

Executive Summary

School District 43 Coquitlam has historically managed environmental initiatives at the school level and any energy management through facilities upgrades and maintenance. The district went away from formal management of energy and sustainability programs approximately 6 years ago and is now in the process of creating an executive level profile that will make energy conservation and environmental sustainability a top priority for the district in the coming years.

Our Facilities Department has been utilizing AFG funds to support several lighting retrofits and HVAC upgrades in an attempt to increase efficiency and reduce energy costs. Over the past two years facilities has removed old metal-halide lighting systems from 13 gyms and multi-purpose areas to be replaced with CFL lighting systems. The majority of schools have had all EXIT signs changed to LED lights.

Moving to centrally controlled heating and ventilation systems continued to be a focus for our Facilities and Maintenance departments in an attempt to reduce the consumption of natural gas and to provide balanced systems in a variety of structures and school buildings across the district. Nine schools received HVAC replacements and one school received a new chillier to ensure its geo thermal exchange system was functioning at maximum capacity.

The district built its newest secondary school, Heritage Woods Secondary to LEEDS Silver standards and began construction of the new Glen Elementary with the consideration of the LEEDS Silver standards as a guideline.

Grants were applied for to support our maintenance and facility upgrades, and the district was awarded a PSECA grant to upgrade the entire lighting system of one of our large secondary schools to a more energy efficient system.

In 2007 the District went through an extensive school closure process and considered 8 elementary schools for closure. Through a public and highly debated consultation process the school district closed five of those elementary schools, resulting in significant reductions in energy consumption.

Coquitlam School District has been a Power Smart Partner with BC Hydro for several years and in the summer of 2007 began participation in the energy management assessment program. This process was facilitated by Hatch Energy in partnership with BC Hydro for the purpose of conducting a holistic assessment of current energy-related practices and indentifying opportunities for improvement. The School district acted on one of the five key points of feedback and began the process of hiring an Energy Manager through BC Hydro's Energy Management program, to commence responsibilities in January of 2009.

Further to the above, the District created an executive level "Green Team" in the Fall of 2008 to support the hiring of the Energy Manager and to begin the larger planning process for comprehensive action to reduce energy consumption and promote environmental sustainability in SD 43.

Objectives

The main objective prior to 2009 was the consideration of energy conservation. The cost of utilities and the impact on the environment is a concern to all operations and management within the District. While some things can be approached at the planning stage, and in capital replacements, the biggest impact continues to be from sound daily operating practices, and attention to good housekeeping. Our program does not require compromising indoor thermal comfort or air quality, but rather focuses on providing the required conditions in the most efficient way possible. This objective is supported by a District 43 Administrative Procedure.

The following five objectives were based on the Energy Manager Assessment completed Fall 2008:

- 1) Demonstrated leadership commitment
- 2) Create a more focussed awareness and training campaign throughout the district
- 3) Identify and employ the real human resources needed to achieve progressive energy and sustainability management implementation
- 4) Engage in innovative practices that work outside and in support of traditional facilities based energy practices.
- 5) Manage energy consumption information for effective reporting and feedback.

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

Overview

The district did not participate in a comprehensive campaign to reduce their GHG emissions for the 2008 calendar year, outside of an inconsistent adherence to our administrative procedure dealing with energy conservation. Many schools actively engaged in learning opportunities that raised awareness around energy conservation and carbon neutrality. Student leadership teams from several schools took on Climate Change as their goal for the upcoming school year, but results of their efforts are difficult to benchmark at this time. New and more robust recycling programs came out of the efforts of student leadership teams at all levels K – 12 in the District. The District Student Leadership Council put forward a plan to host an Environmental Film and Art Festival in the Spring of 2009.

Several elementary schools participated in the School Travel Planning (STP) pilot project being developed in partnership with Green Communities Canada. STP was an intensive program that required students, parents, school and municipal officials to consider alternative modes of travel to reduce GHG emissions and traffic. Safety concerns were a key focus of the study as well.

70 – 80 % of schools participated in walk to school week in the October 2008. Some schools began anti idling campaigns to raise awareness of the volume of GHG emissions when driving children to and from school.

Quarterly reports are provided to schools to in regards to photo copying and paper consumption. Schools are expected to manage consumption at the school level through administrative vigilance. The majority of middle and secondary schools have moved away from paper newsletters and approximately 20 % of elementary schools are publishing newsletters on school websites. Through the implementation of our district internet and intranet technology platform MY43, more and more teachers, staffs and schools are going to paperless newsletters and notices.

Facilities upgrades were ongoing throughout the 2008 calendar year as was mentioned in the initial executive summary. Several of the HVAC high density boiler replacements are demonstrating decent returns in the early stages although the effects of our extreme weather in December 2008 have yet to be qualified. Lighting upgrades to lower wattage T- 5 compact fluorescent fixtures has in many of the gym lighting upgrades proven instantly to reduce energy consumption. Summer lighting and heating hours are employed throughout the months of July, August and part of September.

1.1. Mobile Fuel Combustion:

Action	Action Taken	Outcome/Performance Measure	Notes Clarifying Action Taken
Initiated new fleet maintenance program (could include – changing filters, checking tire pressure, regular check-ups)	In progress	Basic maintenance program consistent over the years for all fleet vehicles	Review of maintenance schedule done on a yearly basis.
Established anti-idling behaviour change program (e.g. signs, stickers, messages)	In progress	All district staff respond to a no idling campaign by promoting it in their schools and buildings.	Nothing formal has been initiated to date although conversations have begun.
Encouraged alternatives to travel in fleet vehicles – bicycles, scooters, electric carts	In progress	No measure was established as it was only a few key individuals that were promoting this action at selective sites.	Any action taken in this area was site specific and usually resulted from a school or community walk or bike to school campaign.
Established travel reduction goals	In progress	Travel metering was discussed support for installation on all multi stop maintenance and fleet vehicles	
Adopted a travel policy	In progress	Unknown at this point for facilities. Results from School Travel Planning pilot project will determine a direction for rest of district at school level.	With support from travel metering devices and data collected from the pilot project in three elementary schools, conversations to inform a travel planning policy have begun.

1.2. Stationary fuel combustion and electricity:

Action	Action Taken	Outcome/Performance Measure	Notes Clarifying Action Taken
Undertaken Monitor turn-off challenge	in progress	Survey in all schools to determine the potential power usage of monitors and CPUs when not in use.	Power Save software was purchased to audit potential savings if computers were automatically shut down or set to sleep within certain parameters.
Replaced # computers with Energy Star models	in progress	Most of the computers new and pre owned purchased in district are Energy Star	
Turned off lights in unused rooms	in progress	No current data is available to inform this action other than anecdotal feedback from site specific locations.	A small percentage of schools have carry over from the Destination Conservation Program that was in some schools within the past decade. Comprehensive lights off campaigns in schools might only comprise 10 % of our school sites.
Installed multi-function devices (and removed stand-alone printers/faxes)	in progress	Only a small percentage of sites (perhaps 10 %) use multi use printer /faxes. Over the past three years new copiers installed in all schools are networked as dual function copier and printer.	
Replaced standard bulbs with CFLs	in progress	When all metal halide and incandescent bulbs are replaced with high efficiency CFLs over the course of the next 2 - 3 years	This program of retro-fitting or upgrading lighting in schools has been ongoing for past 2 - 3 years comprehensively. Mostly replacement of metal halide fixtures and switching to electronic ballasts.
Installed motion activated lights	in progress	Some motion activated lights were installed in select locations at one middle school and two elementary schools as part of an upgrade or maintenance program.	The district has found that use of occupancy sensors in large areas is not cost effective and can be better served with behaviour change and long term plan to upgrade old lighting systems.
Undertaken lighting retrofit	in progress	Five schools underwent lighting upgrades mostly in Gym areas replacing metal halide	Continue with regular maintenance and AFG funding to support lighting retrofits
Utilized desk-top power management settings on computer	in progress	Site specific depending on tech support and vigilance of site based technology management.	
Initiated corporate computer shut-down/wake-up for maintenance	in progress	Successful roll out of Faronics Power Save software in January / February of 2009	
Applied for LEED existing building rating	in progress	LEED Silver equivalent on one new building nearing completion in 2009	Note of significance is government initiative to have all capital funding of new school buildings to be designed to LEED Gold standards or equivalent, ad per ministry order.
Undertaken building energy audit at LOCATION(s)	in progress	Completed energy audits and studies at 6 schools in District	Planning underway to itemize potential energy audits for the upcoming school year.
Initiated or completed a building energy retrofit	in progress	Completion of one elementary school heating and ventilation systems changing to high density boilers. One school is currently in process of energy retrofit as part of a larger seismic upgrade. Completion set for August 2009.	Two elementary schools and one middle school had control systems upgrades to support better operation of both electrical and heating and ventilation systems.

1.3 Supplies

Action	Action Taken	Outcome/Performance Measure	Notes Clarifying Action Taken
Encouraged re-use of furniture and equipment	in progress	District continues to redistribute chairs, desks and tables to schools that either have an increase or decline in their student population. All schools participate when necessary.	

1.4. Travel

Action	Action Taken	Outcome/Performance Measure	Notes Clarifying Action Taken
Set a X% Travel reduction goal			
Trained staff in the use of Live Meeting (or other desktop collaborative software)	in progress	Continue to offer professional development opportunities for all staff on regular monthly basis	IT and Staff development have provided numerous opportunities to engage in technology learning that will support any district green initiatives. This initiative is part of a long term district technology plan that began back in 2005.

1.5. Employee Engagement

Action	Action Taken	Outcome/Performance Measure	Notes Clarifying Action Taken
Provided climate change education	in progress	Schools include climate change education as part of their action plans for learning. Employees have access to training or executive level updates on going throughout the year. BC Hydro's Energy Detectives Program was introduced to 6 or 7 schools through a workshop in Fall of 2008	The Energy Detectives Program supports energy awareness and safety in the late primary grades. More opportunities for Hydro supported programs are being considered for 2009.
Provided conservation education	in progress	All secondary students will have access to environmental education courses and curriculum.	Currently only a few secondary schools offer environmental education. One or two Leadership classes took on Climate Change as the focus for their curriculum in the 2008 / 2009 school year.
Held contests to change behaviour/make pledges	in progress	Approximately 50 % of all schools participate in at one or two yearly contests/ campaigns to support action against climate change	These contests ranged from walk to school campaigns, to litter less lunch campaigns, to some energy conservation campaigns. Often these contests were taken on within a specific classroom at a particular site. Unclear as to how many were going on at any given time throughout a district of our size.
Developed Green Teams	in progress	Executive level Green Team created at Board Office level August 2008.	Plans to expand this group to include all partner groups in 2009
Provided green tips	in progress	Information distributed to schools on a regular basis from Social Responsibility Coordinator and Manager of Communications.	Some of the environmental awareness tips and information have come out of our Staff Development Department.

1.6 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	Approximately 50 % of maintenance demand was corrected over the course of the year	Regular maintenance does not keep up with demand in aging buildings.

Reduced/replaced bottled water with filtered or refrigerated water	in progress	A small percentage of schools have had tap water filters installed over the past several years. Only one or two in the past year.	The District did not begin a comprehensive campaign to reduce bottled water. Only concentrated efforts were at site specific locations driven by conscientious teaching and school staff.
Improved recycling measures	in progress	When all schools in district are able to recycle all plastics and other.	Not all Tri Cities Municipalities support recycling at schools. District and Municipality need to begin working on agreement and logistics.
Purchased green cleaning products	In progress	10 -15 % of schools currently using "Green" cleaning products	Several schools began using "green" cleaning products as a result of scent and allergy awareness initiatives presented by our District Occupational Health and Safety Committee
Used green (low-e paints)	in progress	District switched to 100 % low-e paints for interior.	

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

Overview	<p>Beginning in 2009 Coquitlam School District has made a commitment to take action against climate change and promote a environmentally sustainable design for the future of all schools, students ,staff and the community. School District officials will ensure understanding and involvement of all students and employees of the environmental initiatives leading to sustainable behaviour change. The District will become carbon neutral by the end of 2010 and make significant reductions to energy consumption by the end of 2012. Through the work of staff, students and our larger community ,Coquitlam School District will make considerable changes over the course of the next three to five years that will ensure understanding of the legal, economic and moral imperatives. We will address climate change and pursuit carbon neutrality through the education, activation and innovation of staff and students district wide.</p> <p>The District created an Executive Level Green Team to provide a mandate for action and begin the process of implementing new</p>		
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2.1 Mobile Fuel Combustion

Action	Action Planned	Outcome/Performance Measure	Notes Clarifying Action Taken	Timeframe
Provide driver training to reduce fuel use	planned	100 % of all maintenance staff will engage in some form of training or professional growth that includes fleet consumption reduction. Net reductions in fuel costs, or rather in consumption, will be a determining factor for success of this campaign.	This is a considerable behaviour change piece that will have to be pursued over time. It is likely there will be some resistance to accept training and therefore will have to be rolled out in different formats over the next two years.	Introduced in summer 2009 and carried out throughout 2010 school year.
Initiate new fleet maintenance program (could include – changing filters, checking tire pressure, regular check-ups)	In progress	Will begin conversations with Maintenance and Facilities staff to review administrative procedures governing basic maintenance of fleet vehicles. No measure has been determined to date to establish benchmarks for success	Review of maintenance schedule done on a yearly basis.	Summer 2009 for review. Practice changed by summer 2010 if necessary.

Establish anti-idling behaviour change program (e.g. signs, stickers, messages)	In progress	All sites post anti idling campaign stickers and promote campaign through monthly newsletter and online websites. Tracking measures have yet to be determined. Feedback will mostly be anecdotal from schools and other district sites. All schools will be asked to report back in a survey as to how they have attempted to reduce idling at their specific site, by end of 2009 / 2010 school year.	Manager of Energy and Sustainability has had conversations with HASTE BC to establish scope and number of schools participating in official school campaign. Information out to schools in February 2009 to inform schools and communities of the opportunity through HASTEBC	Beginnings of campaign to be in all schools Fall 2009 and all schools to have at least promoted the initiative as they start up the new school year.
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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	planned	Information will be sent to all employee groups in memo or newsletter highlighting measures to reduce personal energy use. Staff will be surveyed to measure awareness.	Data will be gathered over course of calendar year to determine awareness of work station efficiency. This information will provide feedback into the system for improving current practices	Jan-10
Supply power bars – to turn off power to non-essential items when not in use (e.g. phone chargers)	planned	Roll out energy savings power bars to select schools to determine feasibility.	Currently Experimenting with energy savings power bars to determine best usage in schools.	Spring 2010
Replace # computers with EnergyStar models	in progress	Current models of computers not able to support Faronics Powersave software will be phased out and replaced with newer more responsive models.	Several hundred computers have been purchased and are being installed in elementary, middle and secondary schools as part of our District technology plan. All new or pre-owned computers going into schools will be able to support current energy saving software.	On going. Newest upgrades in 15 locations to be installed summer and Fall of 2009
Ask staff to close blinds daily	planned	Information will be sent out to all schools and employee groups as part of energy consumption reduction campaigns. Measurement will be based on feedback from site based supervisors and periodic site checks from other District and maintenance staff.	Approximately 30 % of all schools in district have protective blinds on outside windows that are closed as part of site based caretakers regular routine. Schools with indoor blinds generally are closed by teacher or staff member in room and custodial staff.	Information to be provided to staffs by Winter 2009.
Use air dry setting on dishwashers	planned	Information to staff on efficiency of air dry settings on dishwashers. All schools will consider these settings in upcoming school year.		By the end of the 2009 / 2010 school year.
Turn off lights in unused rooms	in progress	All schools will initiate some form of "Lights Out" campaign to promote regular energy savings routines. All Custodial staff will have information session on energy reduction potential of turning lights out in unused rooms.	Currently a small percentage of elementary schools are practicing lights out campaigns as part of their student leadership program. Mostly these actions are happening at elementary schools.	Winter 2009

Replace standard bulbs with CFLs	in progress	This action will continue as part of facilities and maintenance program to replace all regular or metal halide bulbs in schools with energy efficient CFL bulbs and fixtures	Current focus will be to finish one seismic project at an elementary school, one complete lighting upgrade at a secondary school, and three secondary gymnasiums. Two more seismic projects will begin in the current year which will consider replacement of standard lighting with CFLs.	On going. Elementary school to be completed summer 2009. Secondary schools to also be completed end of summer 2009.
Install motion activated lights	in progress	Motion activated lights will be considered in all 5 new buildings and three major seismic projects.	Facilities design teams begin to meet summer 2009 to determine scope of projects and capacity for energy efficient designs. Meeting with BC Hydro to consider High Performance Building Design Program in June 2009.	Considered to be complete as projects are completed by end of 2014.
Undertake lighting retrofit	in progress			
Implement server virtualization	planned	Will provide better outcome when connected to plan for new district fibre network	Plan to implement server virtualization will move forward in connection with new fibre network proposal	1 to 2 years
Initiate corporate computer shut-down/wake-up for maintenance	complete	Installed Faronics Power Save Software in Fall of 2008 on 90 % of District computers for auditing purposes only. Official activation happened in March April 2009 and results are beginning to show considerable kWh savings.	Currently analysing data to determine real savings as settings provide information based on fact that computers were running 24/7 before software was installed. This data does not provide accurate real savings information.	April 2009 and ongoing implementation as new computers are installed this year.
Unplug unused equipment	planned	Information campaign to be rolled out in Fall of 2009. Measure will be related to reduced overall district electrical consumption in kWh		Winter 2009
Apply for LEED existing building rating	planned	Will be considered for three seismic projects beginning in Fall of 2009		Fall 2009
Undertake building energy audit at LOCATION(s)	in progress	Determine cost savings for energy retrofits to at least 5 buildings in district.	Opportunity Assessments will be done on 10 buildings in district to determine top 5 energy consumers per sq ft, which will inform plans to move forward on energy upgrades.	winter 2009
Initiate or complete a building energy retrofit	in progress	Complete lighting retrofit of Port Moody Secondary	Project undertaken as part of PSECA grant program.	Sep-09
Manage temperature set points for Heating and Ventilation systems in schools	in progress	Reduce GHG emissions resulting from a reduction in natural gas consumption. Regular adjustment program designed to contribute to a 5 % reduction in Gjs consumption for the entire district.	Currently maintenance staff are monitoring seasonal shifts to consider adjusting and lowering the standard set points for all centrally controlled heating systems. One Middle school in district is lowering set points considerably to determine energy savings and to act as a exemplar for potential savings.	Plan to be recognized and implemented by Winter 2009, and readjusted to address climate change in winter 2010

2.3 Supplies

Action	Action Planned	Outcome/Performance Measure	Notes Clarifying Action Taken	Timeframe
Commit to use 30% recycled paper	planned	New contract with supplier will be revised by end of 2009	we have looked at pricing for 30 % recycled paper and it is a reasonable cost increase to pitch to schools. With dwindling budgets supplies cost increases that are optional often are met with disapproval. Building business needs to make it consistent across schools	Jan-10
Initiate automatic double sided printing	planned	Roll out of program and tech support to adjust settings on all district printers by end of 2009 - 2010 school year. Contribute to overall goal to reduce paper consumption by 30 %.	We are currently working on an action plan that will have our IT department schedule technicians to adjust all printers in the district.	Jun-10
Commit to hold paperless meetings	planned	Over all district plan to reduce paper consumption by 30 % in first year and 50 % over three years. Reduce multipage documents at bi weekly School Board Meetings.		Winter 2012
Develop document library (online and one printed copy) for large documents	in progress	Plan to contribute to overall goal of 30 % paper reduction district wide.	School District 43 has been contributing to an on line repository of stored documents for passed 3 years. We in the implementation phase as part of our overall technology plan. Documents that would regularly be submitted via district mail are now being uploaded to our MY43 site electronically, significantly cutting down on our paper usage. District is also moving towards more online registration and submission of Human resources forms through our web portal.	Goal of 30 % reduction
Re-use non-confidential scrap paper	in progress	Promotional campaign on going in schools. Measure by promoting in all schools and surveying staff on a bi-yearly basis to determine the extent to which staff and students are re-using scrap paper.		First survey to be done in Fall of 2009 2010 school year
Use laptops/tablets	in progress	Currently 10 to 15 % of District staff use laptops. We would see laptop and Tablet PC use grow to 50 % over next three years.	Laptop use will continue to be promoted in all schools as a means to enhance learning for both staff and students. Not all District staff are required to use computers at this time. The goal would be to have 50 % of all computers used in district to be laptop or Tablet PC over next two years.	By end of 2010 /2011 school year.
Restructure a process to use less paper	in progress	Information campaign that contributes to 30 - 50 % reduction over three years district wide. Electronic newsletters only at all schools by winter 2010.	District is requiring more and more documents to be uploaded to our MY43 web portal. Human Resources are restructuring employee information transfer in multiple ways i.e. claim forms online, pay stubs electronically, electronic newsletters and community website for school specific information.	On going

2.4 Travel				
Action	Action Planned	Outcome/Performance Measure	Notes Clarifying Action Taken	Timeframe
Initiate Travel Policy	planned	Contribute to reduced GHG emissions in our community.	Better Environmentally Sound Transportation pilot being considered for Board Office Staff.	Fall 2009 to begin process.
Support alternative travel (bike/skateboard/walk/transit) for meetings	planned	Promotional campaigns three times throughout year, which will reduce overall emissions as a community. All schools will participate in at least one campaign per year.		winter 2009
2.5 Employee Engagement				
Action	Action Planned	Outcome/Performance Measure	Notes Clarifying Action Taken	Timeframe
Provide climate change education	in progress	Elementary schools will utilize several different curriculum offerings to embed climate change in the regular routine at all levels. Middle and secondary students will have access to course relevant resource sustainability.		Fall 2009
Provide conservation education	in progress	Raise level of energy conservation awareness by introducing Hydro power save programs to all schools over two year period.	All schools will have access to BC Hydro's Energy Detectives Program for Primary grades. Currently 15 to 20 schools introducing program to their grade 2 and 3 students. Energy Ambassadors program being offered at three secondary schools. Plan to introduce to all secondary schools.	Winter 2010
Hold contests to change behaviour/make pledge	planned	All schools or classrooms in schools will create pledge to reduce GHG emission protect the environment	Each school will have the autonomy to create and promote a Climate Action Charter of their own. Students and staff will be encouraged to make it realistic for their sites or classrooms.	Winter 2009
Hold contests/support to generate ideas		Schools will participate in multiple Challenges that promote Climate Action. At least one challenge being taken on by a classroom or school at each site over the 2009 / 2010 school year.	Currently 30 to 40 % of schools in District are or have participated in some form of Climate action Challenge. Some examples are BCSEA Climate action showdown, Litter less lunch challenges between elementary schools, recycling audits, reduce waste challenges, lights out challenges where schools are trying to log less energy consumption than others, heating challenge where one or two middle schools are challenging other schools to turn the heat off from April to October.	Many in place by Winter 2009
Develop Green Teams	in progress	District level Green Team meeting on regular basis to inform district direction on Climate Action initiatives	Currently District level Green Team is supported by a meeting structure only. The plan would be to create a vehicle to release teachers and staff to educate, activate and innovate to create a systemic approach to behaviour change reduced footprint.	Fall 2009

Support Green Teams (resources)	in progress	District support to be determined percentage of energy savings back into schools and facilities to maintain and build sustainable practices	Some funding would be applied for through district learning team structure and staff development. Grant funding would be pursued through partnerships and provincial and federal grant opportunities.	Plan to be implemented by Winter 2009
Provide green tips	in progress	Create District Climate Action Website to promote Green Tips and provide resources for staff, students and parents.	Manager of Energy and Sustainability will populate and maintain a public district resource connected to main district web page.	summer 2009
Support professional development	in progress	Create regular opportunities for professional development session offered through Curriculum and Staff Development Department.		Fall 2009
Create District Climate Action Design Team	planned	Representatives from all sites in district will have opportunity to provide feedback on climate action initiatives on a district scale.	All schools will be invited to submit name(s) of educators who would be willing to sit on district design team for Climate Action. Members would meet regularly with some release time to build capacity throughout the district to support behaviour change programs.	Fall 2009

2.6. Sustainability Actions (others)

Action	Action Planned	Outcome/Performance Measure	Notes Clarifying Action Taken	Timeframe
Run dishwasher only when full	planned	All schools with dishwashers will initiate this action. Action will reduce water usage across district.		Winter 2009
Reduce/replace bottled water with filtered or refrigerated water	planned	Reduce plastics to landfills and reduce energy consumption by using less process plastic containers. District goal to reduce bottled water consumption by 50 %.	District Green Team will promote reduction of bottled water usage at all district level meetings and in schools. Alternatives will be considered such as centralized water filter systems and promotion and distribution of individual reusable water bottles.	Winter 2010
Improve recycling measures	in progress	Reduce waste to landfills. Reduce district waste to landfills by 30 %	Current plans are underway at three elementary sites to pilot a "zero waste" initiative. These schools will be used as exemplars for the rest of the district to model their waste reduction campaigns after.	Winter 2011
Support composting	planned	Reduce waste to the landfills and contribute to district goal of reducing waste by 30 %.	4 or 5 schools are currently undergoing small composting projects on site. Three elementary schools are looking at a comprehensive waste audit to determine what can be composted and recycled.	winter 2011

Use re-usable dishes	planned	Reduce consumption of plastic and paper dishes by 50 % in all sites. Provide information campaign to all schools by fall of 2009.	Will need to determine through survey the extent to which non reusable dishes are being used. Will begin with a small audit pilot and project to reduce use at least one or two schools at each level. Will also promote reduction at all district and staff development meetings that often use no reusable dishes for professional development and planning activities.	Winter 2011
Purchase green cleaning products	in progress	All district sites to be using green cleaning products for regular site cleaning routines and maintenance	New contract was currently undertaken to support the purchase of green product dispensing machines in all secondary and middle schools. Elementary schools will be rolled out in Fall of 2009.	Fall 2009
Use green (low-e paints)	in progress	All district facilities painting projects to use Low-e paints for interior and exterior jobs	The use of low-e paints across board began in 2007 and has become consistent across district over past three years.	Summer 2009