

Carbon Neutral Action Report Okanagan College

Executive Summary

The primary goal for 2008 was to identify where our energy was being consumed and identify areas where we could make changes that could be carried out in the short term and did not require major capital outlay. Several audits were undertaken by private consultants and also using local utilities to identify energy use and possible savings, this resulted in a number of smaller projects undertaken to reduce energy consumption. Longer term energy reduction projects were also identified and planning is presently underway on a number of these projects.

Currently we use geo-thermal heating in our Kelowna campus which is generated from the heat of the water from the nearby wastewater treatment plant. It is hoped that this system can be expanded to serve the Campus for longer periods during colder weather thus significantly reducing our carbon footprint on the Kelowna Campus.

We monitored our utility consumption through bills and created a spreadsheet to identify where the energy was being used (by campus/building/dept. Where utility bills failed to give us detailed building consumption data we installed additional gas and electric meters to specifically identify where energy was being consumed. In addition Fortis monitored our peak demand load times which provided a detailed profile of peak energy use.

Objectives

Financial Responsibility - Making sure that we can limit or reduce our current operating costs through the audit of our consumption and then taking steps to conserve energy where possible and change the current behaviour to something more energy conscious and sustainable.

Sustainability - Balancing all of the current environmental, social and economical issues that our staff and students face while keeping the enthusiasm for change to sustain future generations.

Employee engagement - Providing student surveys and sustainability committees made up of both staff and students working together to bring about a college wide force for change to go along with our mission statement "Okanagan College transforms lives and communities".

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

Overview

For 2008 Okanagan College has focused its efforts on identifying our high level energy consumers through the use of energy audits, additional monitoring and reviewing existing energy bills. We have also identified areas where action can be taken immediately without major capital funding, these included such projects as replacing inefficient lighting, reviewing operating schedules, energy use education, and load matching to use requirements.

New building projects have seen the inclusion of solar hot water panels for domestic hot water and the use of geothermal heating systems on the new Daycare and a LEEDS Gold project involving the new Centre for Learning Building.

In addition longer term plans have been initiated to replace older equipment with more energy efficient systems and the expansion of the Kelowna Campus's use of geothermal energy using clearwater from the adjacent Waste Water Treatment Plant..

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	In Progress	The College's fleet vehicles and delivery vehicles add approximately 60 tons of carbon per year, our goal is to reduce this in 2008 by 20%	Replaced 1 fleet passenger vehicle with a Toyota Prius "hybrid" vehicle and 1 delivery van with a diesel alternative.
Initiated new fleet maintenance program (could include – changing filters, checking tire pressure, regular check-ups)	In Progress		Supply Management currently has a fleet management program in existence. It is currently a work in progress.
Established anti-idling behaviour change program (e.g. signs, stickers, messages)	Complete		Signs made up and installed at all entrances to all campuses stating "To protect our clean air, this is an idle free zone".
Encouraged car pooling in fleet vehicles	In Progress	Presently it is unknown how many people car pool, in 2009 it is hope that the annual survey of students and staff can ascertain this number	Is currently being reviewed and recommendations being made through our sustainability committee.
Encouraged use of public transit/active transportation	In Progress	A Sustainable Transportation Study has been commissioned to measure and make recommendations on transportation, this report is due in the spring of 2009.	The use of transit passes for students is being considered
Encouraged alternatives to travel in fleet vehicles – bicycles, scooters, electric carts	In Progress		Facilities Dept employees use electric carts or walk on campus wherever possible.

1.2. Stationary fuel combustion and electricity:

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		Facilities sends out intermittent campus wide messages in "Inside Okanagan" employee newsletter
Supplied power bars – to turn off power to non-essential items when not in use (e.g. phone chargers)	In Progress		Power bars are utilized within the Facilities Dept.
Undertaken Monitor turn-off challenge	In Progress		Facilities Dept sends out green tips in the local employee newsletter. IT Services has completed a monitor turn off challenge.
Replaced # computers with EnergyStar models	Complete	The goal for 2008 was to replace all CRT monitors with LCD monitors	IT Services replaced 1200 computers with EnergyStar models college wide
Asked staff to close blinds daily	In Progress		Custodial staff are instructed that daily procedures include closing blinds, turning off lights and locking doors.
Used air dry setting on dishwashers	In Progress		Depts. that use dishwashers use air dry setting.
Turned off lights in unused rooms	In Progress	It is planned that all rooms when not being used will have lights automatically turned off	Planning is underway to provide motion sensors in all washrooms and lighting sensors for all classrooms.
Installed multi-function devices (and removed stand-alone printers/faxes)	Complete		College has gone to multifunction devices to replace the standalone faxes and printers that were in use before.
Replaced standard bulbs with CFLs	In Progress		Ongoing, policy is to no longer use incandescent replacement bulbs.
Installed motion activated lights	In Progress		Planning is underway to provide motion sensors in all washrooms and lighting sensors for all classrooms.
Undertaken lighting retrofit	In Progress		All t12 lights have been replaced with T8 and electronic ballasts, nearly all incandescent bulbs have been replaced with either cfl or led
Implemented server virtualization	Complete		IT Services have reduced the number of physical servers used by using virtual machines.
Utilized desk-top power management settings on computer	In Progress		IT Services has utilized that feature on machines college wide.
Initiated corporate computer shut-down/wake-up for maintenance	In Progress		IT Services has utilized that feature on machines college wide.
Unplugged unused equipment	In Progress		Facilities Dept is continually promoting the unplugging of unused equipment, other departments such as IT Services are also following this practice.

Undertaken building energy audit at LOCATION(s)	In Progress	It is the goal of the College to have an energy audit completed for every building on all campuses, by the end of 2008 we will have had audits carried out in 15% of our building and plans are in place to complete this task 100% by July 2009.	Energy audits have been carried out by local utilities and the College has engaged several professional consultants to perform energy audits. By July 2009 every building will have had an energy audit completed.
Initiated or completed a building energy retrofit	In Progress	The Kelowna Campus Cafeteria building has been identified as a major energy user through audit, retrofits planned for 2009 will reduce carbon emissions by 50% in 2009	The Kelowna Cafeteria/Kitchen is served by a 100% outdoor air system which operates year round. Modifications to this system will see the kitchen separated from the cafeteria functions and utilize heat pump technology.
Energy Management Systems Reporting	In progress	The existing BMS systems have the ability to report energy consumption but only from existing meters which are non existent. Our goal for 2008 was to install strategic gas and electricity meters to allow reporting of major building loads.	Electricity meters and 3 gas meters have been installed and are now connected to the BMS reporting system.
Upgrade exit lights to LED	In progress	We set the goal of ensuring that all emergency exit lights on all campuses were replaced with LED technology - The conversion removes 50 watts of lamps and is replaced with 2.4 watts, a reduction of 95%.	In 2008 we replaced more the 100 fixtures, however there still remains a small number of fixtures to be converted.
AC upgrade to Print Room - Kelowna campus	Complete	The print room A/C unit did not have the ability to use outdoor air for cooling and meant that the air conditioning unit had to operate all year round, adding an "economizer cycle" to the system would allow for "free cooling"	This project involved adding an economizer section to the air conditioning unit which utilizes outside air as first stage cooling, resulting in not having to run a 5 ton refrigeration compressor year round.
DDC Controls Programming - Kelowna campus	In Progress	The Siemens Building Management system installed on all the College Campuses was deemed to be a powerful tool in the College's efforts in energy reduction. It was decided that the first course of action was to engage Siemens to standardize controls programming and review energy savings strategies on a building by building basis. It is hoped that this strategy will reduce energy consumption by 5% -10%	Siemens Building Technology was hired to update and optimize the control strategy for Business, Health, Library, Student Services and Trades air handling units and hydraulic heating systems. A detailed report was submitted.

Pit Ceiling/Lighting retrofit - Kelowna campus	Complete	The existing lighting system in the Pit area had an annual energy use of over 38,000 kw/hrs replacing the existing fluorescent fixtures with LED lamps has reduced this consumption by over 90%.	Converted 46, T8 fixtures to LED lighting in the Student Services pit area.
Breezeway Lighting Retrofit - Kelowna	Complete	Replacement of the existing over lit and inefficient lighting resulted in an estimated 88% reduction in energy use.	Replaced 44 outdoor T12 Fixtures @ 146 w each, with 6 outdoor metal halide fixtures @ 125 w.
Cafeteria Lighting Upgrade - Vernon	Complete	During a recent Cafeteria upgrade, lighting was improved by the replacement of existing fixtures with CFLs.	Student Services Lounge was renovated and at the same time the lighting system was upgraded with CFL's and motion sensors.
Geothermal Study - Penticton	Complete	Gas bills indicated that the Penticton Campus was one of the highest users of natural gas energy per sq.m. A Feasibility Study was commissioned to investigate whether geothermal was an option for replacing the existing rooftop HVAC units.	It was determined that a Geothermal System would be costly and was not recommended, however other recommendations are worth looking at and financing was requested to continue.
Rooftop units programming upgrade - Salmon Arm	Complete	To significantly reduce natural gas fuel consumption of 2 rooftop units serving the Nursing Labs in Salmon Arm.	Controls reprogramming significantly reduced the cycling of the heat exchanges on both rooftop units.
Lighting upgrade - Sunoka Bldg - Penticton	Complete	Upgrade all lamps from T12 to T8 CW electronic ballasts	Over 1400, T12 lighting florescent tubes were converted to T8 an over all savings of 15 to 20%.
Illuminated signage energy reduction - Kelowna	Complete	To reduce the operational times of the exterior signage	A time clock was added to the exterior illuminated signage in front of the campus to reduce the illumination time between the hours of 00:00 to 05:00hrs.
Pipeline welding makeup air revisions - Kelowna	Complete	To reduce the energy consumption of 4 makeup air units serving Pipeline Welding.	Controls reprogramming matched makeup air unit loads with exhaust fan demand and automatically shut off units when exterior overhead doors were opened.
Trades exterior door interlocks - Kelowna	Complete	To ensure all trades shops exterior overhead doors are closed before heating systems are enabled.	Contacts were added to exterior doors and interlocked with makeup air units and unit heaters.
Teaching kitchen makeup air reprogramming - Kelowna	Complete	To match makeup air loads with exhaust requirements.	Modified program to reduce the amount of outside air based on number of kitchen exhaust fans operating.
Autobody air compressor/refrigerated air dryer interlock - Kelowna	Complete	To reduce refrigerated air dryer runtime to match actual operation of the compressor.	Air dryer is now interlocked with air compressor reducing operation by at least 50%.
Arc air welding equipment standby losses - Kelowna	Complete	To only activate 2 arc air welding units when required.	Arc air units were energized 24 hrs/day whether required or not. Added isolation switches at operator stations.

Residence building makeup air time clock - Kelowna	Complete	To reduce run time of pressurization fan unit during unoccupied hours.	A night setback stat was added to reduce capacity during the night.
Systems scheduling review - All campuses	Complete	Review of all systems start/stop times to ensure they were appropriate for building occupied hours.	A review of all system start/stop and set points was undertaken and adjustments were made accordingly.
Portables controls upgrade - Penticton	Complete	To reduce the energy consumption of 3 portables by adding the systems to the BMS.	The 3 portables controls systems were modified to be controlled by the College's central DDC control system.
Add programmable thermostats to Trades building - Salmon Arm	Complete	To reduce the runtime hours of 2 rooftop ac units.	Programmable thermostats were added.
Energy audit of Trades compressors - Kelowna	Complete	To reduce the energy consumed by 2 air compressors in Trades.	Atlas Copco were hired to review the operation of the existing air compressors in Trades. Resultant recommendations are being considered.
Lighting audit - Kelowna	Complete	To complete an independent lighting audit of the Kelowna campus and receive recommendations with regards to retrofits.	Falcon Engineering were hired to review existing lighting configurations. Recommendations have either been implemented or are under review.
Central boiler plant controls review - Kelowna	Complete	To review the existing operation and control of the central heating plant and implement recommendations.	All heating pumps that were manually controlled have been tied to the BMS. Siemens reviewed heat pump, boiler control operations in the plant.

1.3 Supplies

Action	Action Taken	Outcome/Performance Measure	Notes Clarifying Action Taken
Developed document library (online and one printed copy) for large documents	In Progress	Facilities Dept has set a goal of transferring all drawings to online format, it is expected that 20% of drawings will be converted by the end of 2008.	Scanning of existing documents has begun and IT Services have a Document Imaging system for long term storage of documents. We have over 1/2 million scanned documents in our home grown system, all with retention periods assigned to them.
Used collaborative software to edit on-line	In Progress		IT Services has investigated "SharePoint" but are not aware of any departments using collaborative software at this time.
Re-used non-confidential scrap paper	In Progress		Both Facilities Dept & IT Services staff re-use scrap paper
Used laptops/tablets	In Progress		IT Services strip old computers for workable parts and then send any that are not on a lease to a local recycler. We are already committed to using the portable technology to reduce paper.

Restructured a process to use less paper	In Progress	Okanagan College prints in excess of 6 million sheets per year (50% by faculty and 50% by staff). The use of a quota system to reduce this amount of paper is planned.	IT Services has implemented print quotas and have an online newsletter for employees. We are also implementing through Print Services and Supply Management online technology for the submission of teaching material through the Print Services. We also have online work requests/procurement requests.
Actions on non-paper related supplies:			
Encouraged re-use of furniture and equipment	In Progress	Wherever possible when furniture is requested , old furniture rather than new is used.	Facilities Dept maintenance staff keep & fix old furniture and equipment to be used at all campuses when required.
Provision of dedicated wood & steel recycling bins	In Progress	The goal in the Trades department was to 100% recycle wood and metal products .	Facilities Dept provided wood recycling & steel recycling bins in Trades compound to reduce waste to landfill.
E waste recycling	In Progress	The College has committed to recycle 100% of E waste	Old computers and parts are taken offsite to recycling depot to reduce waste in landfill
Battery recycling	In Progress	The College has a policy of collecting old batteries for recycling.	Used batteries are collected and returned to battery recycling depot to reduce waste in landfills.
Old Fluorescent Tubes crushing	In Progress	The College crushes all old tubes in a dedicated crushing system	The College purchased a fluorescent tube crushing system and all old tubes are disposed in this environmentally friendly manner.
Ecofriendly and sustainable clothing lines	In Progress		Buy products from sustainable suppliers with respect to clothing, etc.
1.4 Travel			
Action	Action Taken	Outcome/Performance Measure	Notes Clarifying Action Taken
Trained staff in the use of Live Meeting (or other desktop collaborative software)	In Progress		IT Services has employed use of Web Conferencing technology (Elluminate) for both instructional delivery and administrative meetings. This is in addition to distance delivery using WebCT. Okanagan College actively monitors new technologies to enhance current offerings. Okanagan College has implemented an audio phone bridge and is used regularly for both instructional delivery and meetings.
Installed Video Conferencing facilities	In Progress	The College has made a commitment to have video conferencing available at all 4 major campuses.	IT Services have installed video conference facilities in various locations at all 4 campuses.

Sustainable Transportation Study	In Progress	The College recognized that there needed to be a comprehensive approach to transportation and parking at the Kelowna Campus and that it needed to involve all stakeholders involved.	In 2008 Opus Hamilton were engaged to carry out a Sustainable Transportation Study which is due to be completed by June 2009. The College partnered with SD 23, The City of Kelowna and ICBC to fund the study.
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1.5 Employee Engagement

Action	Action Taken	Outcome/Performance Measure	Notes Clarifying Action Taken
Provided climate change education	In Progress		The Director of Campus Planning has given several PowerPoint demonstrations on climate change and the Government's carbon reduction initiative.
Provided conservation education	In Progress		Facilities has provided recycling containers throughout all campuses and placed advertising literature nearby each container. Facilities Mgmt. provides little green garbage cans to reduce the amount of daily garbage from each office.
Held contests to change behaviour/make pledges	In Progress		Trash audit - contest between OC and UBCO has increased student, staff and public increased awareness and involvement.
Held contests/support to generate ideas	In Progress		The College participated in BC Hydro's program for awarding prizes for the best energy savings idea through it's poster campaign.
Developed Green Teams	In Progress	The College Executive has mandated that the College develop a Sustainable plan by early 2009.	There are various adhoc green teams throughout the Campuses and it is planned to bring all these committees under one Sustainable Committee in the new year.
Provided green tips	In Progress		Articles are sent to "Inside Okanagan" newsletter which is distributed to all employees every 2 weeks.

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	The College has embarked on a general water conservation and education program.	Low flow toilets are installed in all renovations. All flushing appliances are equipped with auto flush valves. Irrigations systems have been installed with leak detection monitors and any pipe leaks are repaired immediately. The new Centre for Learning has waterless urinals installed
Ran dishwasher only when full	In Progress		Facilities Dept already does this for their own dishwasher.

Reduced/replaced bottled water with filtered or refrigerated water	In Progress	The College Executive has banned the use of bottled water in their offices and meetings and has encouraged all staff and students to use their own bottles for water.	Will be installing refrigerated filtered dispensers or filling stations campus wide in 2009.
Improved recycling measures	In Progress		Program is now expanded with additional recycling sites added around campus. We now have Styrofoam recycling, plastics, refundables, paper, clear wrap, and tube crushing of fluorescent fixtures.
Supported composting	In Progress	The College intends to have composting sites on 50% of it's Campuses by 2009 and to increase composting of kitchen waste.	We have active organics composting program and expanding to include all buildings and all compostable materials including proteins(meat, bones, dairy)
Used re-usable dishes	In Progress	The Cafeteria has been encouraged to replace Styrofoam plates and plastic cutlery.	Cafeteria uses re-usable dishes as well as our regional campuses contracted food service providers also use sustainable dishware practices.
Purchased green cleaning products	In Progress		Ecogent presently rated one of the highest in North America (UK flower)
Used green (low-e paints)	In Progress		All Contractor specifications require the use of Enviroguard & Ecologic paints
Supported sustainable procurement practices	In Progress		Facilities Dept already does this on an ongoing basis. We try and use local environmentally friendly products as much as possible.
Adopted low-carbon contracting practices	In Progress		We scrub and refinish as opposed to scrub and recoat all hard surface floors. All fabric mops, rags are laundered and reused. There are no aerosol products used in custodial duties.
Door opening & hardware Replacements	In Progress		As door opening & hardware replacement required, OC uses only Ingersoll Rand hardware providing us an automatic 1 LEED point per building.

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

Overview

For the upcoming year of 2009 we will complete our audits of all buildings on all Campuses. Results from these audits will direct the College as to where the most savings can be achieved and by employing our metering additions we will start to monitor energy savings resulting from ongoing projects.

The long term planning started in 2008 will continue and progress into the design and documentation stages of implementation, in particular we plan to carryout a major mechanical systems retrofit of the Kelowna Cafeteria/kitchens. Another major project will consist of planning the replacement aging central plant boilers with more efficient means such as condensing boilers and the expanded use of geo-thermal heating energy.

We plan to expand our use of solar panels and in particular are looking at the feasibility of installing solar panels on the Residences building for domestic hot water. 2009 will see the submission of our Sustainable Transportation Plan and it is hoped that we can immediately start implementation of many of it's recommendations. We plan to see Composting sites added to Kelowna and Vernon and also the introduction of Community Gardens at both of these Campuses. The formation of a Sustainability Committee is planned with it's short term recommendation presented before June and long term suggestions submitted to the Board of Governors by mid summer.

2.1 Mobile Fuel Combustion

Action	Action Planned	Outcome/Performance Measure	Notes Clarifying Action Taken	Timeframe
Replace # of TYPE OF VEHICLE with MORE EFFICIENT VEHICLE/Hybrid	Planned		Replace another fleet passenger vehicle with a Hybrid vehicle	May-09
Encourage car pooling in fleet vehicles	Planned		It is expected that the Sustainable Transportation Study will make several recommendations for the College to implement.	
Encourage use of public transit/active transportation	Planned		It is expected that the Sustainable Transportation Study will make several recommendations for the College to implement.	Jun-09
Encourage alternatives to travel in fleet vehicles – bicycles, scooters, electric carts	Planned		It is expected that the Sustainable Transportation Study will make several recommendations for the College to implement.	
Change from gas to electric lawn maintenance equipment	Planned	To have contractors only use electrically powered equipment except for ride-on mowers by 2011.	Upcoming landscape contracts will include wording to ensure qualifications.	Jan-11

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	To notify all students and staff measures that can be taken to reduce personal energy use.	It is planned to create a Sustainability Office for the College headed by a Sustainability Co-ordinator to initiate this action.	Dec-09
Supply power bars – to turn off power to non-essential items when not in use (e.g. phone chargers)	Planned	To reduce electricity consumption in offices.	Ongoing investigation of the feasibility to replace existing power bars with "smart" power bars.	Dec-09
Undertaken Monitor turn-off challenge	Planned	To notify all students and staff measures that can be taken to reduce personal energy use.	It is planned to create a Sustainability Office for the College headed by a Sustainability Co-ordinator to initiate this action.	Dec-09
Replace standard bulbs with CFLs	Planned	To replace all standard bulbs with CFL's or LED fixtures.	This is an ongoing program at all Campuses, in addition we are looking at expanding our installations of LED fixtures.	Dec-09
Install motion activated lights	Planned	To have all washrooms lights be controlled from Motion Sensors	It is planned to install motion detectors in every washroom on every Campus	Dec-09
Undertake lighting retrofit	Planned	To complete lighting audits of all 4 major campuses.	Kelowna and Penticton campuses have been completed and we are planning to audit Salmon Arm and Vernon this year.	Dec-09
Unplug unused equipment	Planned	To notify all students and staff measures that can be taken to reduce personal energy use.	It is planned to create a Sustainability Office for the College headed by a Sustainability Co-ordinator to initiate this action.	Dec-09
Undertake building energy audit at LOCATION(s)	Planned	We have planned to have an energy audit of every building on every Campus.	Revolution Engineering has been engaged to carry out this work	Jul-09
Initiate or complete a building energy retrofit	Planned	Kelowna Cafeteria HVAC Upgrade to reduce carbon emissions by 50%	Stantec Consulting has been engaged to prepare tender documents for this project.	Oct-09
Increased use of Daylight Harvesting	Planned	To use natural daylighting whenever possible to reduce energy consumption in all public areas.	Installation of daylight sensors and automatic switching in all public areas where practical.	Mar-10
Addition of Variable Speed Drives	Planned	Kelowna Campus - C Building HVAC Fans VFD upgrades	The project will see Variable speed drives added to 1 - 30 hp Supply Fan, 1- 20 hp Supply fan, and 1 - 14 hp Return fan.	May-09
Library HVAC System Replacement Study - Kelowna	Planned	To reduce energy consumption and improve ventilation rates in the existing Kelowna Library.	Stantec Consulting were hired to carry out HVAC study and make recommendations.	Apr-09
Solar panel installation - Residence Building - Kelowna	Planned	To install a solar hot water system to the domestic hot water system serving the residences.	Planning is underway to initiate this measure.	

2.3 Supplies

Action	Action Planned	Outcome/Performance Measure	Notes Clarifying Action Taken	Timeframe
Commit to use 30% recycled paper	Planned		Under review, pending assessment of equipment capabilities	Apr-09
Initiate automatic double sided printing	Planned		Being reviewed to see if copiers can be made to default to double sided copying.	Mar-09
Commit to hold paperless meetings	Planned		Will be part of the Sustainable Team recommendations.	Sep-09
Develop document library (online and one printed copy) for large documents	In Progress		IT Services already has local system in place.	Dec-09

2.5 Employee Engagement

Action	Action Planned	Outcome/Performance Measure	Notes Clarifying Action Taken	Timeframe
Provide climate change education	Planned		It is planned to create a Sustainability Office for the College headed by a Sustainability Co-ordinator to initiate this action.	Dec-09
Provide conservation education	Planned		It is planned to create a Sustainability Office for the College headed by a Sustainability Co-ordinator to initiate this action.	Dec-09
Hold contests to change behaviour/make pledge	Planned		It is planned to create a Sustainability Office for the College headed by a Sustainability Co-ordinator to initiate this action.	Dec-09
Hold contests/support to generate ideas	Planned		It is planned to create a Sustainability Office for the College headed by a Sustainability Co-ordinator to initiate this action.	Dec-09
Develop Green Teams	Planned		It is planned to create a Sustainability Office for the College headed by a Sustainability Co-ordinator to initiate this action.	Dec-09
Provide green tips	Planned		It is planned to create a Sustainability Office for the College headed by a Sustainability Co-ordinator to initiate this action.	Dec-09

2.6 Sustainability Actions (others)

Action	Action Planned	Outcome/Performance Measure	Notes Clarifying Action Taken	Timeframe
Take water conservation measures – low flow showers or toilets, fix leaks	Planned	To ensure that all showers in the Kelowna residences are the latest in low flow technology.	Investigating existing showerheads and upgrading as required.	Dec-09
Reduce/replace bottled water with filtered or refrigerated water	Planned	To encourage student and staff to use less bottled water by making water refilling stations available on all Campuses.	Replace all water fountains with filling stations for students drinking bottles, using chilled & filtered tap water	Dec-09
Improve recycling measures	Planned	To find a method of recycling waste paper towels.	OC is investigating the purchase of onsite composting equipment.	Dec-09
Support composting	Planned	To set up a composting program at the Kelowna campus.	Investigating the most suitable composting solutions on the Kelowna Campus	Dec-09
Community Gardens	Planned	To encourage Community involvement and provide a venue for people to grow their own produce.	Community Garden projects are planned for the Kelowna and Vernon Campuses.	Dec-09