Selkirk College	
Executive Summary	Numerous actions have been undertaken over the years in addressing climate change. In recognition of these actions the college has received numerous accolades over the years in regards to energy conservation. These awards include an Environment excellence award in 2004 and 2005, Conservation excellence awards for 2007 and 2008 in recognition of Selkirk's outstanding achievement in energy efficiency thru sustainable choices and innovative projects. Operational and capital resources are continually being directed towards carbon reduction. In the years up to and including 2008 the college spent approximately \$5.0 million dollars in controls, night setbacks on HVAC's, and general HVAC upgrades. The HVAC system on the Castlegar Campus is currently being upgraded at a cost of \$1.9 Million in 2009. An Environmental sustainability committee was established and has undertaken numerous initiatives in reducing carbon emissions. The committee has initiated ongoing reviews of consumption practices and undertaken efforts to reduce consumption whenever and wherever possible. Two faculty members and two students also sit on the Citizens Conservation Council on Climate Action for this region. A Transportation study is also being undertaken in order to improve service and reduce carbon emissions. The reduction of carbon emissions is a multi pronged task which must be undertaken and embraced by all stakeholders to be successful.
Objectives	The College has adopted Sustainability as it's sixth strategic goal
	6. Sustainability: Toward Selkirk College as a Green College
	Conservation of the natural environment and responsible use of natural resources are a core organizational value at Selkirk College. W are committed to implementing practices that promote a healthy natural environment: in our teaching activities, our administration, our facilities and operations, our funding allocations and our applied research priorities. We are committed to reducing our ecological footprint and creating a culture of sustainability through our educational efforts.
	Strategic Direction: Selkirk College will work toward becoming a green college.
	6.1 Strategic Priority: We will work toward achieving climate action goals established by the Ministry (carbon neutral by 2010 and GHG emission reduction by 33% in 2020).

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

Overview

Carbon reduction will take a multi faceted approach that will involve our students, employees and community partners. During the 2008/2009 year Selkirk has undertaken a number of initiatives. Some of these will continue into coming years and be used as a basis for continuous improvement.

Current initiatives include:

- the establishment of an Environmental Sustainability Committee which meets on a regular basis to plan implement and review everyday initiatives employees students can undertake to reduce their carbon footprint.
- the launching of a "POWER OFF" program,
- A project to reduce bottled water consumption,
- Improvements to recycling, solid waste reduction and composting. The completion of a baseline "State-of- the Environment audit to determine a baseline for a number of "Indicators" including carbon reduction. Once the audit is complete Selkirk will be able to measure with some certainty the positive effects of any future initiatives.
- Initiation of a Facilities Master Plan which will include a complete review of all facilities. This review will include a component of proposed carbon reduction and greening based on LEED principles throughout the facilities. Based on the Facilities Master Plan future capital initiatives and maintenance programs will be adjusted to best reflect improvements towards carbon neutrality.

The Board of Governors, with the assistance of Senior management developed a sixth Strategic Direction, namely "Sustainability: Toward Selkirk College as a Green College", Providing strategic direction and priority around conservation and sustainable practices.

During the annual budget and operational planning process attention has been paid and initiatives budgeted that will reduce carbon emissions from the facilities and operations. For the 2009/2010 budget year an evaluation of all printing and copying processes are to be undertaken with the objective of significantly reducing the usage of paper products.

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	The number and usage of 15 passenger vans is revised, as well as curriculum needs and travel distance to field sites.	Review of use of college transportation fleet used for field trips.
Established anti-idling behaviour change program (e.g. signs, stickers, messages)	In progress	Promote anti-idling behaviour	
Encouraged car pooling in fleet vehicles	In progress	We encourage employees to pool together whenever practical	
Transportation Study	In progress	A transportation study in currently underway to improve public transportation and reduce carbon emissions	

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	Energy savings	Power Down program with assigned coaches	
Supplied power bars – to turn off power to non-essential items when not in use (e.g. phone chargers)	In progress	Energy savings	Supplied as required	
Undertaken Monitor turn-off challenge	In progress	Energy savings	Part of our Power Down Program	
Replaced # computers with EnergyStar models	In progress	Energy savings	Part of our evergreen program	
Turned off lights in unused rooms	In Progress	Energy savings	Through motion sensors .	

Replaced Refrigerators (EnergyStar rated appliance)	In Progress	Evergreen process of replacement	95% Complete
Replaced other appliances (with EnergyStar rated appliance)	in progress	Lower water consumption	To complete Replacement of dishwashers in 2009
Installed multi-function devices (and removed stand-alone printers/faxes)	In Progress	Began a review of copier deployment and paper usage	
Replaced standard bulbs with CFLs	In progress	Energy savings	Completed in 2009
Installed motion activated lights	In Progress	Energy savings	All Classrooms Complete except for corridors
Undertaken lighting retrofit	Complete	Energy savings	
Implemented server virtualization	In Progress	Energy savings	Initiated as capital becomes available
Utilized desk-top power management settings on computer	In Progress	Energy savings	Set by work station
Initiated corporate computer shut-down/wake-up for maintenance	In Progress	Energy savings	Using PEXE and Wake Up on LAN
Unplugged unused equipment	In Progress	Energy savings	We encourage unplugging unused equipment.
Undertaken building energy audit at LOCATION(s)	Complete	Audited 3 main campus buildings	
1.3 Supplies			
Action	Action Taken	Outcome/Performance Measure	Notes Clarifying Action Taken
Committed to use 30% recycled paper	Ongoing	Under review	, 3
Initiated automatic double sided printing	In Progress	Double sided printing is enabled whenever possible	
Committed to hold paperless meetings	In Progress	Under consideration and evaluation where possible	
Developed document library (online and one printed copy) for large documents	In Progress	Encouraging sharing of document folders	
Used collaborative software to edit on-line	In Progress	Undertaken where possible	
Restructured a process to use less paper	In Progress	An evaluation and study around paper usage in underway	
Actions on non-paper related supplies:		·	
Chose "Green" items from Distribution Centre	In Progress	Evaluate and select green products as appropriate for our organization	
Encouraged re-use of furniture and equipment	In Progress	Whenever possible furniture is recycled within the institution	Inventory surplus items and re-use as possible
1.4 Employee Engagement			
Action	Action Taken	Outcome/Performance Measure	Notes Clarifying Action Taken
Provided climate change education	Complete	Website provides information about current Greener Campus initiatives, tips for reducing personal ecological footprint, and links to more information (for example "One Million Acts of Green")	Developed Sustainability website http://selkirk.ca/research/sustainability
Provided conservation education	Complete	Students developed a set of signs to go with recently installed recycling stations to educate students on how to recycle properly and why	Website, student-developed recycling education campaign
Held contests to change behaviour/make pledges	In Progress	Nineteen members in group to date	Challenged faculty/staff to sign up with Selkirk College group on "One Million Acts of Green" site

Developed Green Teams	Complete	This campaign was patterned after one currently operating at Simon Fraser University and designed to encourage staff and faculty to reduce their personal energy consumption. Volunteer Energy Ambassadors in each area of the campus provided a list of behaviours to be changed to staff and faculty in their area, along with the rationale for doing so and a variety of helpful tools.	Power Down campaign
Supported Green Teams (resources)	Complete	Energy Ambassadors were provided with training on educating staff/faculty and data collection, along with various memory prompts to hand out (door hangers, Power Down stickers), and ongoing mentoring.	Power Down campaign
Provided green tips	Complete	Weekly electronic newsletter goes out to all faculty and staff and includes a sustainability "Tip of the Week" along with news about various sustainability efforts	Website (see above), weekly electronic newsletter
Supported professional development	In Progress	The college's Environmental Sustainability committee has funded attendance at related workshops for its members (for example a recent "Fostering Sustainable Behaviour" workshop in Vancouver). The committee has also funded speakers to come to the campus; for example Maude Barlow spoke recently to students, staff and faculty on issues of water sustainability.	
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	Reduced water Consumption	Replace as repair needed
Ran dishwasher only when full	In Progress	Reduced water Consumption	
Reduced/replaced bottled water with filtered or refrigerated water	In Progress	Reduced water Consumption	Part of our sustainability committee initiatives
Improved recycling measures	In Progress	Reduce amount to land fill	Part of our sustainability committee initiatives
Supported composting	In Progress		Part of our sustainability committee initiatives
Used re-usable dishes	In Progress	reduced purchase of paper products	Part of our sustainability committee initiatives

Purchased green cleaning products	In Progress	Evaluate and select green products as appropriate for our organization	Will purchase when product performs as desired	
Used green (low-e paints)	In Progress		Will purchase when product performs as desired	
Supported sustainable procurement practices	In Progress		Will purchase when product performs as desired	
Adopted low-carbon contracting practices	In Progress		Will purchase when product performs as desired	
Part 2: Plans to Continue Reducing Green	nhouse Gas Emis	sions 2009 2011		
Overview	will continue una improvement in promote sustain thru education a	f greenhouse gases is an ongoing project of important abated into 2009. New initiatives will include a Facinemission reductions. The sustainability committee ability. The committee and others will continue to and change behaviour. The objective is to promote seresponsible citizenry in our communities.	lities Master Plan and a Transportation plan that w will continue to work in promoting and changing be develop and implement new initiatives that promoting and implement new initiatives that promoting the control of	ill yield further ehaviour that wi te sustainability
2.1 Stationary Fuel Combustion (include	ding electricity)			
Action	Action Planned	Outcome/Performance Measure	Notes Clarifying Action Taken	Timeframe
Replace standard bulbs with CFLs	Complete	Energy savings	Completed in 2009	
Initiate or complete a building energy retrofit	In Progress	Energy savings	Completing in 2009 at a cost of \$1.9 Million	
All new Renovations will be done according to LEED standards	In Progress	ACA renovation projects will be to LEED standards		
2.2 Supplies				
Action	Action Planned	Outcome/Performance Measure	Notes Clarifying Action Taken	Timeframe
Commit to use 100% recycled paper	In progress		Will consider when equipment capable of processing	
2.3 Employee Engagement				
Action	Action Planned	Outcome/Performance Measure	Notes Clarifying Action Taken	Timeframe
Provide conservation education	In Progress	Recycling stations will continue educate students on how to recycle properly and why. We will also continue to provide employee professional development opportunities to improve engagement.	Website, student-developed recycling education campaign will be fully implemented	
Hold contests to change behaviour/make pledge	In Progress	Plan implementation	Plan to develop "Green Kudos" program for recognizing employees.	
Develop Green Teams	In Progress	Increased engagement with the program	Continue with Power Down campaign	
Provide green tips	complete	Weekly electronic newsletter goes out to all faculty and staff and includes a sustainability "Tip of the Week" along with news about various sustainability efforts	Website (see above), weekly electronic newsletter	
2.4 Sustainability Actions (others)				
Action	Action Planned	Outcome/Performance Measure	Notes Clarifying Action Taken	Timeframe
Dishwasher Replacement	complete	Lower water consumption	To complete in 2009	-