



2011

Carbon Neutral Action Report

Executive Summary

To decrease greenhouse gases and energy for 2011, NWCC's planning consisted of:

- **Completion of the Smithers Campus renewal/renovation project with anticipated Gold LEED Certification.** <http://www.nwcc.bc.ca/Campuses/Locations.cfm?Campus=Smithers>
- **Lighting retrofits from T3 32W to T8 28W for Houston Campus.**
- **Purchase of “Heavy Equipment” simulators for “Heavy Equipment” programs. Increase in training options for students with a reduction in fuel usage for equipment.**
- **Use of composting scrap waste from “Culinary Arts” programing and cafeteria.**
- **Assessment of broadband widths for increasing reliability of technology (i.e. webinars, Skype, videoconferencing) in existing and remote locations.**

Actions taken to Reduce Greenhouse Gas Emissions in 2011:

- **NWCC has secured funding for changing out emergency lighting, Terrace Campus.**
- **Expansion of lighting retrofits T8 32W to T28W to include the Houston Campus. NWCC will continue to retrofit, use “pre-packs” for disposing of fluorescent light fixtures and recycle to reduce materials from the general waste stream.**
- **Compost (from Culinary Arts and cafeteria) is used at the Terrace Campus to fertilize flower beds, scrubs etc. Currently the composter runs from thaw to frost approximately May to October.**
- **NWCC has reduced water consumption for all green spaces to zero, cut lengths for mowers has been increased and indigenous, drought resistance plants have been chosen for new and replacement plantings.**
- **ICT – Operational Standards – System Usage - unless directed otherwise by the ICS Department, employees will ensure their computers are fully shut down and turned off at end of day.**
- **The “Heavy Equipment Operator” program(s) are utilizing technology with equipment simulators reducing actual hours running equipment. This expands training opportunities while reducing fuel consumption and wear/tear on equipment.**

Changes to GHG Emmissions/Offsets from 2010

- Northwest Community College underpaid by 179 tonnes in 2010.

2011 Greenhouse Gas Emissions

- 2213 tonnes

Offsets Applied to Become Carbon Neutral 2011

- 2189 tonnes

Plans to Continue Reducing Greenhouse Gas Emissions 2012 – 2014

- Utilization of LEED specification for building, renovations and or retrofitting.
- Consolidation of computer “servers” by ICT department, summer 2012.
- Expanded use of compost season; the existing Terrace composter will be covered and insulated to increase usage beyond thaw to frost., a net reduction landfill waste.
- Expansion of simulators for “Heavy Equipment” program, exploration into other training simulators (i.e. Welding) to increase training and reduce carbon emission.

Additional Note

NWCC increased its estimated carbon emissions in 2011 due to 3 factors.

- 1. Revised 2010 or underpayment.*
- 2. Smithers Campus construction completion 2011.*
- 3. Addition of “Heavy Equipment Operator” program, increasing diesel fuel consumption.*

Executive Summary Approved on this (insert date) day of May, 2012



Cathay Sousa

VP, Finance & Administration

Northwest Community College (NWCC) - 2011 Carbon Neutral Action Report

Actions Towards Carbon Neutrality

The actions listed below contribute to a reduction in greenhouse gas emissions from sources for which public sector organizations are responsible under the carbon neutral government regulation of the *Greenhouse Gas Reduction Targets Act*.

Action	Status (as of 12/31/11)	Performance to Date (as of 12/31/11)	Steps Taken in 2011	Steps Planned for 2012 -2014	Start Year	End Year
Mobile Fuel Combustion (Fleet and other mobile equipment)						
Vehicle fuel efficiency						
Replace vehicles with more fuel-efficient models	Ongoing/In Progress		Fuel efficiency is part of the consideration for all vehicle purchases.	Continue examination of fuel efficiency for vehicle purchases	2008	No End Date (Continuous)
Replace larger vehicles with smaller models according to fleet "right-sizing" principles	Ongoing/In Progress		"Right-sizing" principals are used for purchasing vehicles.	NWCC will continue to review and evaluate it's vehicle purchases based on "right-sizing".	2010	No End Date (Continuous)
Perform regular fleet maintenance specifically to improve fuel-efficiency	Ongoing/In Progress		Fleet maintenance scheduling is an intergril part of the ongoing efforts to maintain or improve fuel efficiency.	NWCC vehicles/equipment will continue to follow manufacturers recommended maintenance schedules, with fuel efficiency as part of the scope.	2011	No End Date (Continuous)
Replace small maintenance vehicles with more fuel-efficient models	In Development		Fuel efficiency is part of the purchasing strategy for all vehicles and equipment purchases.	As small maintenance vehicles are retired, we will purchase more efficient ones.	2011	No End Date (Continuous)
Behaviour change program						
Provide fleet driver training to reduce fuel use	In Development			To work with Workforce Training & Continuing Studies to develop a fleet driver training program.	2012	No End Date (Continuous)
Introduce anti-idling policy and/or raise anti-idling awareness for fleet drivers (e.g., signs, stickers, messages)	Ongoing/In Progress		Maintenance of existing signage.	Continue maintenance and new signage as needed. (i.e. new or renovated properties)	2008	No End Date (Continuous)
Encourage carpooling in fleet vehicles	Ongoing/In Progress		Carpooling to events/meetings is mandatory.	Continued carpool enforcement, review of existing policies regarding travel.	2008	No End Date (Continuous)
Promote alternatives to fleet vehicle travel where possible (e.g., bicycles, public transit, walking)	Ongoing/In Progress		NWCC encourages mass transit use by offering student bus passes for purchase on campus, showers at the Smithers campus for bikers, secure bike racks and overall fostering of a healthy life style.	NWCC will be reviewing policies and updating as needed.	2011	No End Date (Continuous)
Other Mobile Fuel Combustion Actions						
Purchase of Heavy Equipment simulators for training.	Ongoing/In Progress		The "Heavy Equipment Operator" program uses the lastest in simulator technology. This offers the students a valuable training opportunity and reduces the number of equipment needed.	NWCC will continue to look at technology for simulated training, i.e. welding and crane operation. Providing students with a increased training opportunities	2011	No End Date (Continuous)
Stationary Fuel Combustion, Electricity and Fugitive Emissions (Buildings)						
Owned buildings						
Register for performance labelling/certification for operations and maintenance of owned buildings (e.g., LEED EB:O&M)	Ongoing/In Progress		Smithers Campus will be of high LEED certification, the building has reached substancial completion. The application for LEED certification clasification is in progress.	Any new renovations or projects will incorporat LEED approved products and practises.	2004	No End Date (Continuous)
Register for performance labelling/certification for commercial interiors of owned buildings (e.g., LEED CI)	Ongoing/In Progress		Smithers Campus will be of high LEED certification, the building has reached substancial completion. The application for LEED certification clasification is in progress.	All new construction to be of High LEED rating.	2004	No End Date (Continuous)

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Action	Status (as of 12/31/11)	Performance to Date (as of 12/31/11)		Steps Taken in 2011	Steps Planned for 2012 -2014	Start Year	End Year
Achieve LEED NC Gold certification at a minimum for new construction or major renovations	Ongoing/In Progress			Smithers Campus will be of high LEED certification, the building has reached substantial completion. The application for LEED certification clasification is in progress.	All new construction to be of High LEED rating.	2004	No End Date (Continuous)
Incorporate integrated design process into new construction or during renovations of owned buildings	Ongoing/In Progress			Smithers Campus will be of high LEED certification, the building has reached substantial completion. The application for LEED certification clasification is in progress.	All new construction to be of High LEED rating.	2004	No End Date (Continuous)
Incorporate a refrigerant management strategy into regular building management/maintenance to reduce fugitive emissions	Ongoing/In Progress			We're continuing to replace water cooled condensers with air cooled units (savings on water consupction).	As condensers fail, we will always replace condensers with air cooled condensers.	2004	No End Date (Continuous)
Perform energy retrofits on existing, owned buildings	Ongoing/In Progress			Kitimat and Houston Campus HVAC equipment to be changed out to more energy efficient equipment.	Continue to upgrade HVAC to more energy efficient equipment.	2010	No End Date (Continuous)
Retrofitting owned buildings							
Upgrade mechanical systems (heating, cooling, ventilation) during retrofits	Ongoing/In Progress			Kitimat and Houston Campus HVAC equipment to be changed out to more energy efficient equipment.	We hope to secure funding in the future to improve building insulation.	2005	No End Date (Continuous)
Upgrade lighting systems during retrofits	Ongoing/In Progress			We were unable to secure additional funding complete major retro fit.	Replacement of failed equipment, no major retrofits scheduled.	2005	No End Date (Continuous)
Upgrade/adjust control systems during retrofits	Ongoing/In Progress			We were unable to secure additional funding complete major retro fit.	DDC Controls to be fine-tuned with Kitimat and Houston HVAC replacements.	2009	No End Date (Continuous)
Improve building insulation (including windows) during retrofits	Ongoing/In Progress			We were unable to secure additional funding complete major retro fit.	We hope to secure funding in the future to improve building insulation.	2009	No End Date (Continuous)
Install an on-site renewable energy demonstration project	Ongoing/In Progress			No reportable changes, waiting for appointment of new Manager of Facilities and Maintenance.	NWCC is in the process of hiring a new Manager of Facilities and Maintenance.	2009	No End Date (Continuous)
IT power management							
Install power management software which shuts down computers outside of regular business hours	Ongoing/In Progress			Continued install computer power shut down in all campus locations.	Continue to install computer power shut down at all campus locations.	2010	2013
Implement server virtualization	In Development				Part of five-year IT plan.	2011	No End Date (Continuous)
Apply auto-sleep settings on computer monitors and CPUs	In Development				Part of five-year IT plan.	2011	No End Date (Continuous)
Remove stand-alone printers, copiers, and/or fax machines and install multi-function devices	In Development				Part of five-year IT plan.	2011	No End Date (Continuous)
Apply auto-sleep settings on printers, copiers, fax machines, and/or multi-function devices	In Development				Part of five-year IT plan.	2011	No End Date (Continuous)
Replace computers with ENERGY STAR models during regular computer upgrades	In Development				Part of five-year IT plan.	2011	No End Date (Continuous)
Appliances and electronic devices							
Replace refrigerators with ENERGY STAR models or source ENERGY STAR models for future purchases	Ongoing/In Progress	100	% of fridges are ENERGY STAR rated	Purchase of energy-star rated units as replacement strategy.	Continue to purchase new and replacement energy-star rated units.	2009	No End Date (Continuous)

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Action	Status (as of 12/31/11)	Performance to Date (as of 12/31/11)	Steps Taken in 2011	Steps Planned for 2012 -2014	Start Year	End Year
Replace other appliances or electronic devices with ENERGY STAR models or source ENERGY STAR models for future purchases	Ongoing/In Progress		Continuing to purchase enery-efficient appliances.	Reinforce education to college community to purchase energy efficient equipment.	2009	No End Date (Continuous)
Replace desk lamp incandescent bulbs with compact fluorescent (CFL) bulbs or source more efficient desk lamps for future purchases	Ongoing/In Progress		Continued to monitor.	To ban all incandescent light bulbs on all desk top lamps (wherever possible.)	2005	
Behaviour change program						
Ask staff to unplug electrical equipment or switch off power bars when not in use	Ongoing/In Progress		Continued with "green" reminders.	Continued reminders	2011	No End Date (Continuous)
Ask staff to close blinds at end of work day to reduce heating/cooling demands	Ongoing/In Progress		There is existing signage to close windows after occupants leave, Security staff also checks for open windows during rounds.	Continued practices as in 2011	2009	No End Date (Continuous)
Provide tips to staff on saving energy in the office while working outside of regular business hours	Ongoing/In Progress		Green Reminder/Tip: Start to shut off lights, close doors and turn down hear if applicable prior to leaving.	Scheduled "green" reminders.	2010	No End Date (Continuous)
Encourage use of stairs instead of elevators	Ongoing/In Progress		Green Reminder/Tip: Encourage healthy habits by using stairs, and emphasise that elevators are for disabled, seniors and service only.	Scheduled "green" reminders.	2010	No End Date (Continuous)
Promote hot water conservation	Ongoing/In Progress		Green Reminder/Tip: Use available hand sanitisers for hands to cut down on the use of hot water.	Scheduled "green" reminders.	2010	No End Date (Continuous)
Supplies (Paper)						
Paper Type						
Purchase 30% post-consumer recycled paper	Ongoing/In Progress		No steps taken in 2011.	To continued use of 30% recycled paper for colored paper.	2008	No End Date (Continuous)
Purchase 40% post-consumer recycled paper	In Development		No steps taken in 2011.	NWCC purchases enviromental sustainable forest paper. As printers that can handle recycled paper are purchased this will be re-evaluated.	2010	No End Date (Continuous)
Purchase 100% post-consumer recycled paper	In Development		No steps taken in 2011.	NWCC purchases enviromental sustainable forest paper. As printers that can handle recycled paper are purchased this will be re-evaluated.	2010	No End Date (Continuous)
Printer/document settings						
Switch networked printers and photocopiers to automatic double-sided	Ongoing/In Progress		This is a standard practise to set printers to double-sided copy.	Continuted practise with network printers.	2010	No End Date (Continuous)
Electronic media in place of paper						
Install collaborative software for electronic editing (e.g. SharePoint, Groove, etc.)	Ongoing/In Progress		Increased number of portals for staff and student use.	Expansion of templates, filliable forms, and supporting documents available on portals and shared drives.	2003	No End Date (Continuous)
Use electronic document library for filing common documents	Ongoing/In Progress		Increased number of portals for staff and student use.	Continued practise of reduction in paper.	2009	No End Date (Continuous)
Post materials online that were previously printed	Ongoing/In Progress		Increased number of portals for staff and student use.	Expansion of templates, filliable forms, and supporting documents available on portals and shared drives.	2009	No End Date (Continuous)

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Action	Status (as of 12/31/11)	Performance to Date (as of 12/31/11)	Steps Taken in 2011	Steps Planned for 2012 -2014	Start Year	End Year
Switch to an electronic payroll notification system in place of paper pay stubs	Ongoing/In Progress		Continued expansion of "echeck notification".	Continued practise of reduction in paper.	2003	No End Date (Continuous)
Behaviour change program						
Train staff to use collaborative software for electronic editing (e.g. SharePoint, Groove, etc.)	Ongoing/In Progress		Use of email for routing of documents requiring approval, example budgets and contracts.	To install and train for collaborative sharing.	2011	No End Date (Continuous)
Encourage staff to hold paperless meetings or presentations (i.e., no handouts)	Ongoing/In Progress		Implementation of meeting document retrieval/storage for groups on D2L, report circulation by email.	Exploration and encouragement of paperless meetings. Budgetary constraints restricted progression in purchase of tablets or notebooks.	2010	No End Date (Continuous)
Encourage re-use of scrap paper	Ongoing/In Progress		Paper is repurposed for a variety of uses including scrap.	Continue to repurpose paper as scrap and or other uses.	2010	No End Date (Continuous)

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Actions to Reduce Provincial Emissions and Improve Sustainability

The actions listed below contribute to a reduction in greenhouse gas emissions from sources that fall outside of the reporting requirements defined in the carbon neutral government regulation of the *Greenhouse Gas Reduction Targets Act*. Public sector organizations can optionally use this section to report on actions that will help British Columbia meet its provincial greenhouse gas reduction targets, engage the public, and improve environmental sustainability across all aspects of their organization.

Action	Status (as of 12/31/11)	Performance to Date (as of 12/31/11)	Steps Taken in 2011	Steps Planned for 2012 -2014	Start Year	End Year
Business Travel						
Policy and budgeting						
Create a low-carbon travel policy or travel reduction goal	Ongoing/In Progress		NWCC currently has a travel policy that encourages carpooling for meetings.	NWCC will review and consider the use of alternative travel for meetings.	2004	No End Date (Continuous)
Virtual meeting technology						
Install web-conferencing software (e.g., Live Meeting, Elluminate, etc.)	Ongoing/In Progress		Web based, no need to install on individual computers.	Use of web based conferencing as an alternative to face to face.	2007	2011
Install video-conferencing units in meeting rooms or provide mobile video-conferencing units	Ongoing/In Progress		No substantial additions due to budgetary constraints.	Examination of video-conferencing technology for remote locations and reliability of service.	2008	No End Date (Continuous)
Behaviour change program						
Train staff in web-conferencing	Ongoing/In Progress		No substantial training was completed. Individuals obtained training through the attendance of web-conferencing user guides.	Examine the need for web-conferencing training by IT department.	2008	No End Date (Continuous)
Train staff in video-conferencing or provide technical support for video-conferencing set-up	Ongoing/In Progress		Video-conferencing training is ongoing as needed example new staff or technology.	Video-conferencing is under examination for expansion, support and availability in remote areas. Constrained by broadband capabilities, this is an ongoing initiative to provide reliable service.	2008	No End Date (Continuous)
Encourage staff to consider virtual attendance/presentation at events where possible	Ongoing/In Progress		There is continued encouragement for reduction in business travel, options for instructional alternatives and all things virtual.	As new technology and options become available, the opportunity to will be examined. Partnerships are actively being sought to improve the "virtual" vs live meetings, classrooms, and or optional training of students.	2008	No End Date (Continuous)
Encourage carpooling to meetings	Ongoing/In Progress		Notification via email has been implemented to encourage the use of carpooling and alternative transportation during periods of high traffic events at campuses.	Further to current policies, alternatives to travel are being reviewed. The use of public transit is encouraged during the attendance of out of town meetings.	2008	No End Date (Continuous)
Encourage alternative travel to meetings (e.g., bicycles, public transit, walking)	Ongoing/In Progress		Continued encouragement of "green" modes of transportation.	Re-examination of current policies to further expand the use of greener modes of transportation.	2008	No End Date (Continuous)
Other Business Travel Actions						
Winter travel	Ongoing/In Progress		NWCC has a "winter travel" policy in place, this reduces the use of fleet vehicles.	The reduction of winter travel will continue.	2008	No End Date (Continuous)
Education, Awareness, and Engagement						
Team-building						
Create Green, Sustainability, Energy Conservation, or Climate Action Teams with executive endorsement	Ongoing/In Progress		There is no significant measure to report.	To engage senior management "buy-in".	2007	No End Date (Continuous)
Provide resources and/or dedicated staff to support teams	Ongoing/In Progress		There is no significant measure to report.	Continue staff/resources to promote "greener" practices.	2007	No End Date (Continuous)

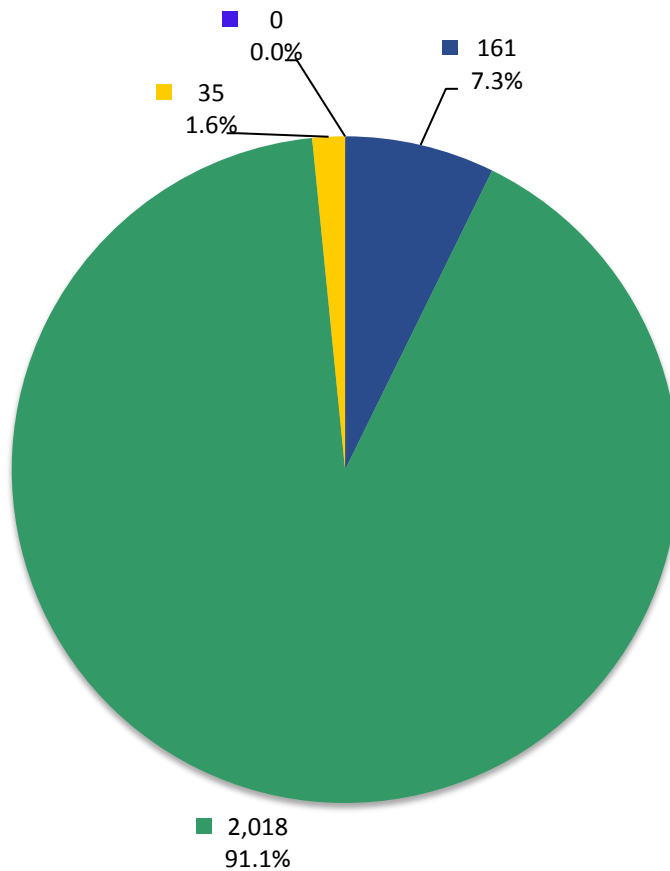
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Action	Status (as of 12/31/11)	Performance to Date (as of 12/31/11)	Steps Taken in 2011	Steps Planned for 2012 -2014	Start Year	End Year
Staff Professional Development						
Support green professional development (e.g., workshops, conferences, training)	Ongoing/In Progress		There is no significant measure to report.	Review of "green" educational materials.	2007	No End Date (Continuous)
Include green options in employee performance measurement system	Ongoing/In Progress		NWCC using electronic survey software "Vovici" for the process of performance evaluation of management staff.	Continued use of survey software to reduce the use of paper for the purpose of performance evaluations.	2010	No End Date (Continuous)
Staff awareness/education						
Provide education to staff about the science of climate change	Ongoing/In Progress		Continued environmental Science program.	Continued program.	2009	No End Date (Continuous)
Provide education to staff about the conservation of water, energy, and raw materials	Ongoing/In Progress		Curriculum offerings including: Guardian Watchmen, Coastal Ecology and Enviromental Science.	Continued program.	2009	No End Date (Continuous)
Provide green tips on staff website or in newsletters	Ongoing/In Progress		Use portals, shared drives and community emails.	Expansion of "shared" electronic work enviroments.	2008	No End Date (Continuous)
Provide sustainability education during new staff orientation	Ongoing/In Progress		Education for staff and students on the oppourtunities to recycle, locations of bins, culinary composting program and metal repurosing for "Welding" program.	Continued education for new students and staff through orientation and standard practises.	2010	No End Date (Continuous)
Client/public awareness/education						
Provide education to clients/public about the science of climate change	Ongoing/In Progress		Continued enviromental Science programs.	Continued program.	2009	No End Date (Continuous)
Provide education to clients/public about the conservation of water, energy, and raw materials	Ongoing/In Progress		Curriculum offerings including: Guardian Watchmen, Coastal Ecology and Enviromental Science.	Continued program.	2009	No End Date (Continuous)
Provide green tips on client/public website or in newsletters	Ongoing/In Progress		No new "green" tips on home page.	Review of "green" educational materials.	2009	No End Date (Continuous)
Other Education, Awareness, and Engagement Actions						
Other	Ongoing/In Progress		NWCC has a no watering policy of it's green (grass) spaces, and has increased the cut length or time between mowing.	Continued examination of green space plantings, use of Indigenous plants, and with an eye on water ususage reduction.	2010	No End Date (Continuous)
Other Sustainability Actions						
Water conservation						
Establish a water conservation strategy which includes a plan or policy for replacing water fixtures with efficient models	Ongoing/In Progress		Replacement of existing toilets and faucets with low flow or "flushmeter" type fixtures.	Replacement of fixtures with low water consupction options.	2009	No End Date (Continuous)
Put in place a potable water management strategy to reduce potable water demand of building-level uses such as cooling tower equipment, toilet fixtures, etc. and landscape features	Ongoing/In Progress		Any new condensers are now air-cooled, not water-cooled.	As condensers fail, new ones are not going to be water- dependent.	2009	No End Date (Continuous)
Waste reduction/diversion						
Put in place an operations policy to facilitate the reduction and diversion of building occupant waste from landfills or incineration facilities	Ongoing/In Progress		Use of composter for the waste from cafeteria and "Culinary Arts" program.	Continued use of composter for food waste.	2009	No End Date (Continuous)
Implement a hazardous waste reduction and disposal strategy	Ongoing/In Progress		Increase use/education of recycling options for waste, light bulbs, electronics, oil and paper.	NWCC continues to utilize recycling options for waste and provides containers in all locations.	2009	No End Date (Continuous)

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Action	Status (as of 12/31/11)	Performance to Date (as of 12/31/11)	Steps Taken in 2011	Steps Planned for 2012 -2014	Start Year	End Year
Procurement (non-paper supplies)						
Incorporate minimum recycled content standards into procurement policy for consumable, non-paper supplies (e.g., writing instruments, binders, toner cartridges, etc.)	Ongoing/In Progress		NWCC purchased "post and recycled" consumables as part of purchasing objectives.	NWCC actively researches "post consumable" and "recycled" options for product purchases.	2009	No End Date (Continuous)
Establish green standards for goods that are replaced infrequently and/or may require capital funds to purchase (e.g., office furniture, carpeting, etc.)	Ongoing/In Progress		This has been the practise for renovations.	Continued examination "green" options for purchasing.	2009	No End Date (Continuous)
Implement sustainable purchasing program for cleaning products, disposable paper products and trash bags	Ongoing/In Progress		Part of the janitorial contract scope.	As contracts expire, enviromentally friendly products will be added to the language of these agreements.	2009	No End Date (Continuous)
Require a minimum purchase of sustainable, and organic food and beverages supplied by contracted food suppliers or caterers	Ongoing/In Progress		Local options are utilized where available.	Continuation of local, sustainable and or organic productions for purchase.	2009	No End Date (Continuous)
Building construction, renovation, and leasing						
Establish a policy to reuse materials where possible and divert construction and demolition debris from landfills and incineration facilities	Ongoing/In Progress		Beyond the use of these standards for construction, NWCC uses a recycle, repurpose or re-use policy for it's programs. Example, the "Welding" program reuses/repurposes metal.	The college takes the opportunity to "recycle" or "repurpose" as many materials as possible.	2009	No End Date (Continuous)
Incorporate lifecycle costing into new construction or renovations	Ongoing/In Progress		No new VFA audits for 2011.	NWCC is slated for additional VFA audits in 2012.	2010	No End Date (Continuous)
Indoor air quality						
Enforce a scent-free policy (e.g., no strong perfumes, deodorants, etc.)	Ongoing/In Progress		Maintain signage of scent-free policy.	Maintain signage of scent-free policy.	2004	No End Date (Continuous)
Incorporate low volatile organic compounds (VOCs) standards into procurement policy for products such as paints, carpets, and furniture	Ongoing/In Progress		NWCC has actively incorporated low VOC's as part of their purchasing strategy.	All new construction to consist with low VOC materials.	2010	No End Date (Continuous)
Commuting to and from home						
Encourage commuting by foot, bicycle, carpool or public transit	Ongoing/In Progress		Continued support and encouragement of carpooling and public transit.	NWCC offers the purchase of monthly bus passes and works with the city's to maximize transit options for staff and students.	2008	No End Date (Continuous)
Provide shower or locker facilities for staff/students who commute by foot or by bicycle	Ongoing/In Progress		The Smithers campus has included showers as part of design to encourage the use of bike and foot transportation.	New campus construction will contain showers.	2011	No End Date (Continuous)
Provide secure bicycle storage	Completed in 2011		Smithers incorporated bike racks to encourage the use of bikes.	Consideration of the purchase of bike racks for new/renovated campuses.	2011	No End Date (Continuous)

Northwest Community College Greenhouse Gas Emissions by Source for the 2011 Calendar Year (tCO₂e*)



Total Emissions: 2,213

- Mobile Fuel Combustion (Fleet and other mobile equipment)
- Stationary Fuel Combustion (Building Heating and Generators) and Electricity
- Supplies (Paper)
- Fugitive

Offsets Applied to Become Carbon Neutral in 2011 (Generated May 18, 2012 11:21 AM)

Total offsets required: **2,189**. Total offset investment: **\$54,725**. Emissions which do not require offsets: **24** **

*Tonnes of carbon dioxide equivalent (tCO₂e) is a standard unit of measure in which all types of greenhouse gases are expressed based on their global warming potential relative to carbon dioxide.

** Under the *Carbon Neutral Government Regulation of the Greenhouse Gas Reduction Targets Act*, all emissions from the sources listed above must be reported. As outlined in the regulation, some emissions do not require offsets.