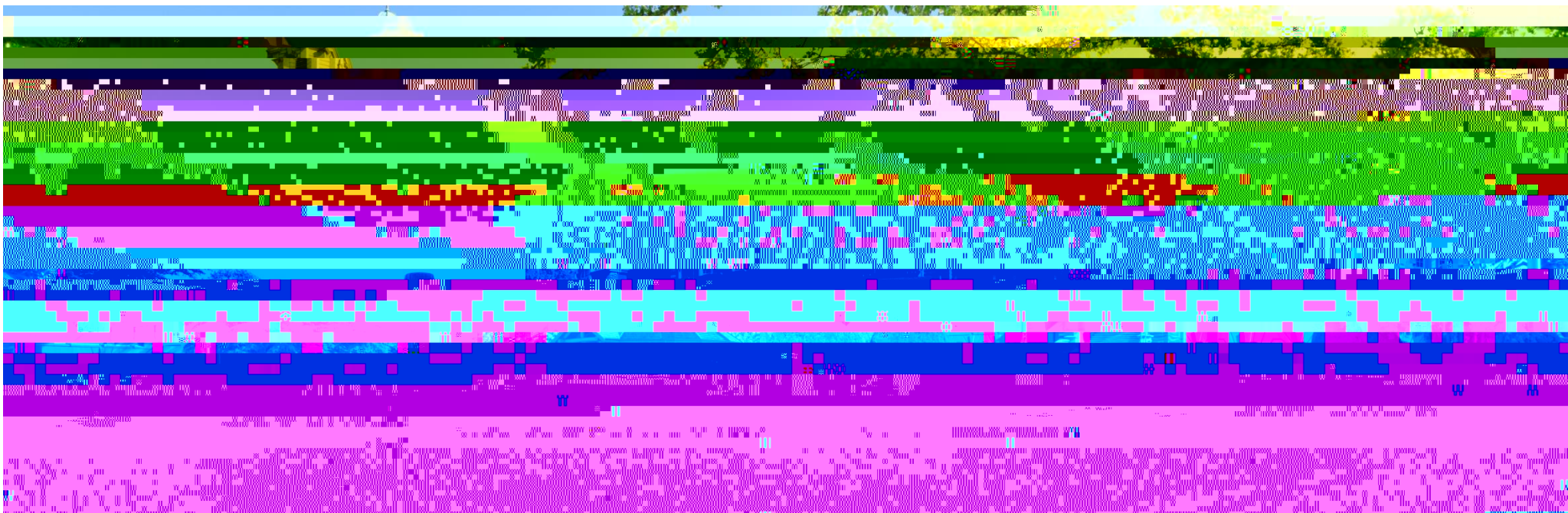


2012 Carbon Neutral Action Report



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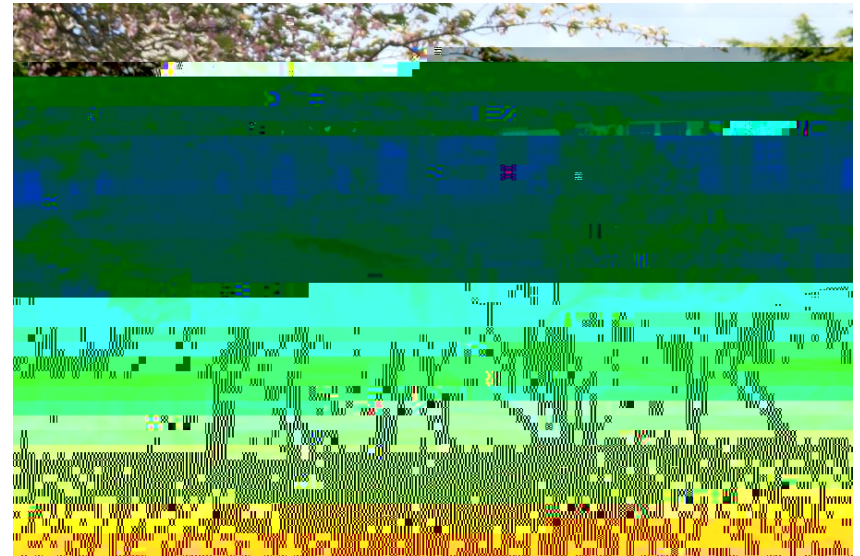
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Greening our Operations

Grounds & Maintenance



Composting, Recycling & Food Services

Composting and Recycling

- x Outdoor Recycling Stations
- x Rainwater Harvesting ProjectPhase 1
- x Organic Waste Diversion ComptoB Program for Interurban Campus
- x Worm Composting at the Interurbanampus

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Alternative Transportation

- x Alternative Transportation Campaign
- x Car Free DayOctober 2012
- x Nasty November_Cycling Challenge:
- x Bike to Work
- x Videoconferencing



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Provide fleet driver training to reduce fuel use
Introduce anti-idling policy and/or raise anti-idling awareness for fleet drivers (e.g., signs, stickers, messages)
Encourage carpooling in fleet vehicles

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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.					
outside of regular business hours					(Continuous)
Implement server virtualization	Completed (in Reporting Year)	Most servers have been virtualized thereby reducing the number of physical servers. Less physical servers means dramatically less power consumption.		2010	2013
Apply auto-sleep settings on computer monitors and CPUs	Ongoing/In Progress	Completed as part of the configuration process for all new computers.	Ongoing.	2010	No End Date (Continuous)
Remove stand-alone printers, copiers, and/or fax machines and install multi-function devices as part of a print management strategy	Ongoing/In Progress	Done wherever feasible.	Ongoing. Target 2016 for completion.	2009	No End Date (Continuous)
Apply auto-sleep settings on printers, fax machines, and/or multi-function devices	Ongoing/In Progress	Part of configuration process with all new devices.	Ongoing task. Target 2016 for completion.	2009	No End Date (Continuous)
Replace computers with ENERGY STAR models during regular computer upgrades	Ongoing/In Progress	"Refresh" of computers and select monitors are with Energy Star models.	Continue with IT procurement policy of purchasing Energy Star products.	2010	No End Date (Continuous)
Owned buildings					
Establish energy performance baseline for owned buildings	Completed (in Previous Year)				No End Date (Continuous)
Register for performance labelling/certification for operations and maintenance of owned buildings (e.g., LEED EB:O&M)	Not Yet Evaluated				No End Date (Continuous)
Register for performance labelling/certification for commercial interiors of owned buildings (e.g., LEED CI)	Not Yet Evaluated				No End Date (Continuous)
Achieve LEED NC Gold certification at a minimum for new construction or major renovations	Ongoing/In Progress	All new construction of commercial buildings on campus is, at minimum, to LEED Gold certification; however no major construction projects were undertaken in 2012.	Begin construction on the new Centre for Trades Education and Innovation on Interurban campus. The project will consist of a renewal and enhancement of existing trades facilities and construction of a new marine and metal trades centre and a new mechanical trades centre, all of which will be done to LEED Gold standards.	2008	2014
Perform energy retrofits on existing, owned buildings	Ongoing/In Progress	In 2012, the Lansdowne energy retrofit project was implemented. As part of the project, the entire lighting system in the Fisher building was replaced (shift from fluorescent lighting to T5s and electronic ballasts). Additionally the five major buildings at Camosun's Interurban campus are enrolled in the BC Hydro Continuous Optimization program to ensure ongoing efficiency of existing operations.	The Continuous Optimization program will continue with the objective of saving energy and reducing GHGs (e.g. optimizing the Digital Direct Control system at Lansdowne campus).	2009	No End Date (Continuous)
Incorporate a refrigerant management strategy into regular building management/maintenance to reduce fugitive emissions	Ongoing/In Progress	Refrigeration systems are upgraded on an ongoing basis to newer less harmful refrigerants.	Continuation of upgrades and replacement of outdated equipment where applicable.	2008	No End Date (Continuous)
Planning/management					
Reduce office space (square meters) per employee	Completed (in Previous Year)				No End Date (Continuous)
Install a real time metering system (e.g. Pulse, Reliable Controls, Houle Controls)	Completed (in Previous Year)				No End Date (Continuous)
Retrofits					
Upgrade mechanical systems (heating, cooling, ventilation) during retrofits	Completed (in Reporting Year)	As part of the PSECA retrofit project, heat pumps on the rooftop of the Paul Building (Lansdowne campus) were replaced.		2009	2012

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Upgrade lighting systems during retrofits	Completed (in Reporting Year)	As part of the PSECA retrofit project, the entire lighting system in the Fisher building was replaced (shift from fluorescent lighting to T5s and electronic ballasts).
Upgrade/adjust control systems during retrofits	Completed (in Reporting Year)	As part of PSECA retrofit project, the Direct Digital Control (DDC) system was upgraded to include more buildings and add greater control. Upgrades were also made to the flow sensors and controls
Improve building insulation (including windows) during retrofits	Completed (in Reporting Year)	

Train staff to use collaborative software for electronic editing (e.g. SharePoint, Groove, etc.)	Ongoing/In Progress	
Encourage staff to hold paperless meetings or presentations (i.e., no handouts)	Not Yet Evaluated	

Install collaborative software for electronic editing (e.g. SharePoint, Groove, etc.)	Completed (in Previous Year)	
Use electronic document library for filing common documents	Ongoing/In Progress	
Switch to an electronic payroll notification system in place of paper pay stubs	Ongoing/In Progress	

Purchase 100% post-consumer recycled paper	Ongoing/In Progress	
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Switch networked printers and photocopiers to automatic double-sided	Completed (in Previous Year)	
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Implement sustainable purchasing program for cleaning products, disposable paper products and trash bags	Ongoing/In Progress
Put in place an operations policy to facilitate the reduction and diversion of building occupant waste from landfills or incineration facilities	Ongoing/In Progress
Implement a hazardous waste reduction and disposal strategy	Ongoing/In Progress
Establish a water conservation strategy which includes a plan or policy for replacing water fixtures with efficient models	Ongoing/In Progress
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
Introduce a stormwater management landscape strategy (e.g.,	Ongoing/In

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

Action	Status	Steps Taken	Steps Planned	Start Year	End Year
vegetated roofs, permeable paving, rain gardens, bioswales)	Progress	which were originally developed to deal with sediments resulting from construction projects. All parking lots have catch basins to stop oils and fluid leaks from vehicles from entering our storm drains.	and Innovation construction project to handle the change in post-development storm-water runoff.		(Continuous)

