

BC Securities Commission



2010 Carbon Neutral Action Report

Executive Summary

The BCSC is the independent provincial government agency responsible for administering the Securities Act. We protect and promote the public interest by fostering:

- A securities market that is fair and warrants public confidence
- A dynamic and competitive securities industry that provides investment opportunities and access to capital

Our 215 employees (202 FTEs) work from our 54,000 square foot downtown Vancouver office.

We pride ourselves on being a responsible corporate citizen, which includes minimizing our environmental impact. Our most significant impacts, and the steps we take to mitigate our carbon footprint, are as follows:

Office commutes

BCSC uses technology that enables telecommuting, which reduces the number of trips to and from our office. Our central location minimizes commuting distance and maximizes alternative transport options for employees and market participants. We also participate in Translink's Employer Pass Program to offer discounted annual transit passes to our employees.

Leased space

BCSC work requires that specific work functions be separated (e.g. enforcement and tribunal work), and as such requires adequate space to hold hearings and conduct investigations. BCSC is regularly reviews its space utilization, and reduced its leased space by more than 6% in 2010.

Consumables

BCSC's primary consumables are electricity and paper. We work with other Canadian regulators to create national e-filing options for market participants to reduce paper consumption. When national systems do not exist, BCSC creates local solutions like the [e-services](#) system to enable paperless filing and payment. BCSC is also working to reduce electricity demand by increasing employee awareness and pursuing green technologies like server virtualization. In the coming year our landlord will install a separate BC Hydro meter so we can monitor our progress.

2010 Greenhouse Gas Emissions

Source	Value	Unit / type
Mobile Fuel Consumption (Fleet and other mobile equipment)	0	tonnes of CO ₂ e
Stationary Fuel Combustion and Electricity (Buildings)	179.56	tonnes of CO ₂ e
Supplies (Paper)	18.98	tonnes of CO ₂ e
Fugitive Emissions	0	tonnes of CO ₂ e
Total	198.54	tonnes of CO ₂ e

Offsets Applied to Become Carbon Neutral

BCSC purchased emission offsets to become carbon neutral for 2010.

Emission Reduction Activities

Actions Taken to Reduce Greenhouse Gas Emissions in 2010

- Negotiated a 6% reduction in leased space, effective December 2011
- Expanded telecommuting support via GoToMYPC software
- Virtualized more servers and investigating desktop virtualization
- Continued to buy energy star rated computers
- Participated in a landlord-run “zero-waste” program to reduce / divert building waste
- Continued to promote electronic pay stubs
- Encouraged staff to be green via tips and reminders on corporate intranet

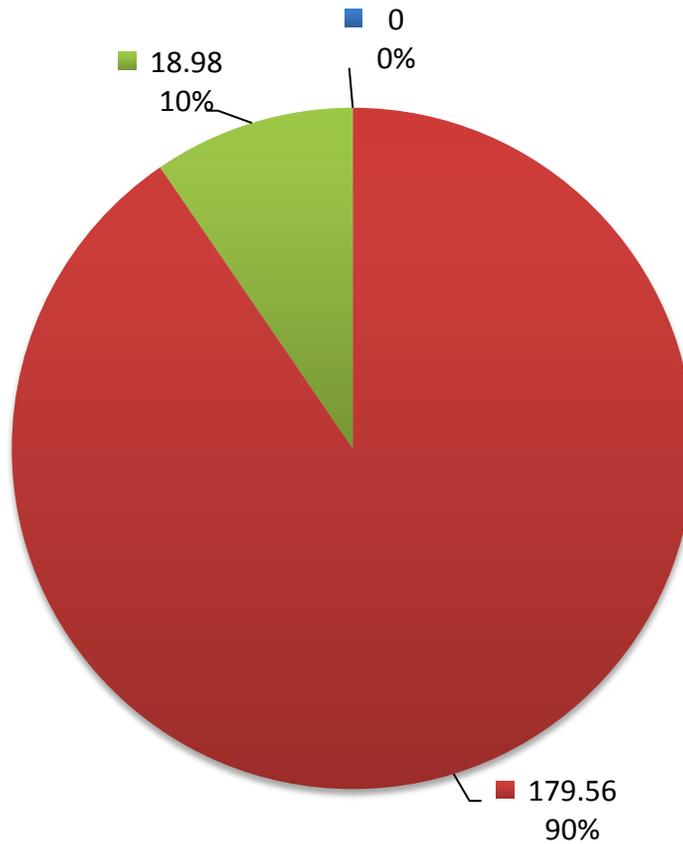
Plans to Continue Reducing Greenhouse Gas Emission 2011-2013

- Work with property owner and BC Hydro to install occupancy sensors in some areas
- Start electricity sub-metering to track progress
- Continue to ask staff to close blinds at end of work day to reduce heating/cooling demands
- Continue encouraging staff to be green, by turning off monitors, lights in offices and boardrooms and by reducing printer and paper towel use
- Continue working with other Canadian securities regulators to redevelop our national filing systems so they accept substantially all filings electronically
- Include sustainability information in employee orientation package



Paul Bourque, Executive Director
BC Securities Commission

BC Securities Commission Greenhouse Gas Emissions by Source for the 2010 Calendar Year (tCO₂e*)



Total Emissions: 198.54

- Mobile Fuel Combustion (Fleet and other mobile equipment)
- Stationary Fuel Combustion and Electricity (Buildings)
- Supplies (Paper)

Offsets Applied to Become Carbon Neutral in 2010

Total offsets purchased: **198.54**. Total offset investment: **\$4,963.50**. Emissions which do not require offsets: **0** **

*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.

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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*.

Action	Status (as of 12/31/10)	Performance to Date (as of 12/31/10)		Steps Taken in 2010	Steps Planned for 2011 -2013	Start Year	End Year
Mobile Fuel Combustion (Fleet and other mobile equipment)							
This section is either not applicable, not yet evaluated, or was completed before 2010							
Stationary Fuel Combustion, Electricity and Fugitive Emissions (Buildings)							
Planning/management							
Enrol in a building energy benchmarking program (e.g., GREEN UP)	Ongoing/In Progress			Participating in landlord "Green at Work" initiative, which includes a comprehensive recycling and waste reduction program	Continue participating in program	2009	No End Date (Continuous)
Reduce office space (square meters) per employee	Ongoing/In Progress	25	is the current average rentable square meters per employee	Negotiated a 6% reduction in leased space effective December 2011	Accommodate new staff within existing space	2009	No End Date (Continuous)
Install a real time metering system (e.g. Pulse, Reliable Controls, Houle Controls)	In Development	0	% of buildings have a real time metering system installed	Negotiated separate electrical metering effective December 2011	Establish baseline and track progress	2010	No End Date (Continuous)
Leased buildings							
Lease space with operations and maintenance performance labelling/certification (e.g., LEED EB:O&M)	In Development			Landlord is pursuing LEED improvements	Landlord is pursuing LEED improvements	2009	No End Date (Continuous)
Develop a green lease policy that requires green features to conserve energy be included in all lease negotiations	Completed in 2010	100	% of leases negotiated since start year indicated have included green features	Negotiated separate electrical metering. Landlord also installed more efficient restroom fixtures.		2010	2011
IT power management							
Install power management software which shuts down computers outside of regular business hours	In Development				Evaluating desktop virtualization	2010	2012
Implement server virtualization	Ongoing/In Progress			Virtualized additional servers	Virtualize remaining servers	2009	2012
Apply auto-sleep settings on computer monitors and CPUs	In Development				Evaluating desktop virtualization	2009	2012
Behaviour change program							
Ask staff to unplug electrical equipment or switch off power bars when not in use	Ongoing/In Progress			Acquired an energy meter for staff use and continuing to post messages on corporate intranet	Acquired an energy meter for staff use and continuing to post messages on corporate intranet	2006	No End Date (Continuous)
Ask staff to close blinds at end of work day to reduce heating/cooling demands	Ongoing/In Progress			Post messages on corporate intranet	Post messages on corporate intranet	2006	No End Date (Continuous)
Encourage staff to use air dry setting on dishwashers	Ongoing/In Progress			Post messages on corporate intranet	Post messages on corporate intranet	2006	No End Date (Continuous)
Provide tips to staff on saving energy in the office while working outside of regular business hours	Ongoing/In Progress			Acquired an energy meter for staff use and continuing to post messages on corporate intranet	Acquired an energy meter for staff use and continuing to post messages on corporate intranet	2006	No End Date (Continuous)

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Action	Status (as of 12/31/10)	Performance to Date (as of 12/31/10)		Steps Taken in 2010	Steps Planned for 2011 -2013	Start Year	End Year
Encourage use of stairs instead of elevators	Ongoing/In Progress			Post messages on corporate intranet	Post messages on corporate intranet	2006	No End Date (Continuous)
Provide reminders for turning off lights (e.g., signs, stickers, messages)	Ongoing/In Progress			Added lighting maps at central switch areas to reduce overlighting	Post messages on corporate intranet	2010	2010
Other Stationary Fuel Combustion and Electricity Actions							
Occupany sensors	In Development			Working with landlord and BC Hydro to install occupancy sensors in some areas	Work with landlord and BC Hydro to install occupancy sensors in some areas	2010	2012
Supplies (Paper)							
Paper Type							
Purchase 30% post-consumer recycled paper	Ongoing/In Progress	9	% of total paper purchased contains 30% recycled content	Increased use of recycled paper	Reduce paper use	2008	No End Date (Continuous)
Purchase 100% post-consumer recycled paper	Ongoing/In Progress	0	% of total paper purchased contains 100% recycled content	Increased use of recycled paper	Reduce paper use	2008	No End Date (Continuous)
Electronic media in place of paper							
Post materials online that were previously printed	Completed in 2010			Implemented a local electronic reporting system for exempt distribution reports		2009	2010
Behaviour change program							
Train staff to use collaborative software for electronic editing (e.g. SharePoint, Groove, etc.)	Ongoing/In Progress			New staff receive training as part of orientation	New staff receive training as part of orientation	2005	No End Date (Continuous)