



Unleash your potential.

BC Games Society - 2010 Carbon Neutral Action Report

Executive Summary

As a small office, with nine staff, our ability to make major changes is limited and so the BC Games Society continues to support the goal of carbon neutrality in the following ways:

- using 100% recycled paper
- using a two-sided photocopier and printers
- increased recycling capacity to include plastics, bottles, cans, compostable materials
- leasing water filter system for drinking water
- Energy Star™ fridge and microwave
- where practical, using conference calls for meetings
- when available, renting hybrid vehicles
- using reusable cutlery, plates, glasses, cups during staff and Board meetings

Pertaining to our Games host community operations, the BC Games Society:

- implemented a no idling policy for all Games vehicles
- moved *Guidelines for the Host Community* transfer of knowledge program to an online resource, resulting in a substantial paper reduction
- continues our policy which states athletes must be housed in close proximity to their competition site to encourage walking to their competition
- utilizes, where possible, chartered highway coaches which are fueled by bio-diesel
- encourages use of PowerPoint presentations as a means of eliminating paper
- utilizes online volunteer registration for volunteers and participants which reduces paper and vehicle use as process can be done from home or office

In keeping with two of the BC Games Society Value Statements, which state, “*our dynamic approaches continually redefine and determine the most efficient and effective method of delivering event management services and programs, and commitment to social issues affecting all British Columbians*”, we continue to refine our work and seek ways to minimize our carbon footprint.

Overviews

Emissions Reduction Activities in 2010

- introduced office composting for vegetable and fruit waste
- implemented a scent free office environment
- substantive consultation and introduction of greater sustainability opportunities for host communities. Best practices from local area governments, VANOC, and BC Games are enhanced and/or included

Continuing to reduce Greenhouse Gas Emissions in 2010

The most substantive impact on emission reduction made by the Society was the design, build and implementation of the “green” ceremonial cauldron. In partnership with Camosun College of Victoria, BC, and four community businesses, the Society created this new cauldron signifying our desire to “green the games” in a significant way. This “first in Canada” electrically powered cauldron uses 850 watts to power the LED flame, and takes just over 2,000 KWh over the 100 days of operation.

Moving to the renewable energy source for the cauldron removed 12 tonnes of GHG, and saved 900,000 cubic feet of natural gas.

Used in the Township of Langley for the second time since it was built, this model in leadership continues to attract attention for its innovative technique to an old model of Games protocol.

Plans to Continue Reducing Greenhouse Gas Emissions 2011 – 2013

- our current lease at 990 Fort Street in Victoria is in an older building with limited energy efficient assets. Retrofitting is not financially feasible. The society has undertaken a commercial realtor to explore alternate office space, recognizing the importance of sustainability and overall costs.
- continue to expand on Games time food services recycling and composting capacities
- expand on video / teleconferencing opportunities, reducing travel and expenses related to travel

2010 Greenhouse Gas Emissions

In 2010, the BC Games Society used estimated 928.64 Giga Joules of energy, which created 6.41 tonnes of greenhouse gases. Moreover, 230 packages of 8.5” by 11” paper were purchased, which created another 0.89 tonnes of greenhouse gases. In 2010, BC Games Society created 7.3 tonnes of greenhouse gases.

Offsets Applied to Become Carbon Neutral in 2010

The BC Games Society created 7.30 tonnes of emissions in 2010. In January 2011, BC Games Society purchased offset through Pacific Carbon Trust and became carbon neutral for the 2010 calendar year.

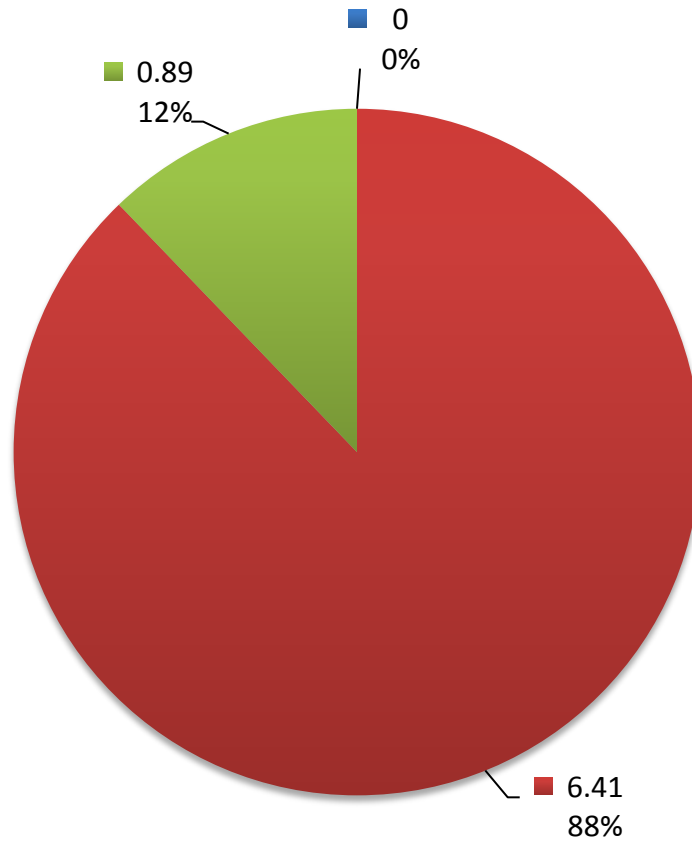
Respectfully submitted:



Kelly Mann
President and CEO

BC Games Society

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



Total Emissions: 7.3

- 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: **7.3**. Total offset investment: **\$182.50**. 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)							
Appliances and electronic devices							
Replace refrigerators with ENERGY STAR models or source ENERGY STAR models for future purchases	Completed in 2010	100	% of fridges are ENERGY STAR rated	Purchased a new energy efficient fridge.		2009	2010
Replace other appliances or electronic devices with ENERGY STAR models or source ENERGY STAR models for future purchases	Completed in 2010	100	% of appliances in the BC Games are energy efficient	Purchased a new energy efficient microwave.		2009	2010
Behaviour change program							
Ask staff to unplug electrical equipment or switch off power bars when not in use	Ongoing/In Progress			Staff is encouraged to turn off equipment when not in use.	Continue reminding staff of energy conservation.	2009	No End Date (Continuous)
Ask staff to close blinds at end of work day to reduce heating/cooling demands	Ongoing/In Progress			Staff is encouraged to conserve the energy whenever possible.	When hiring new staff, their training will contain part about energy conservacy.	2010	No End Date (Continuous)
Encourage use of stairs instead of elevators	Ongoing/In Progress			Staff is continuously encouraged to take the stairs instead of the elevator.	Continue reminding staff to take the stairs instead of the elevator.	2008	No End Date (Continuous)
Provide reminders for turning off lights (e.g., signs, stickers, messages)	Ongoing/In Progress			BC Games staff is reminded in person from time to time to turn off the lights, as well as with stickers.	Continue providing reminders to staff to turn off the lights.	2008	No End Date (Continuous)
Promote hot water conservation	Ongoing/In Progress			Staff is encouraged to conserve hot water.	Continue promoting hot water conservacy.	2010	No End Date (Continuous)
Supplies (Paper)							
Electronic media in place of paper							
Post materials online that were previously printed	Ongoing/In Progress			<ul style="list-style-type: none"> • BC Games Rules are no longer printed - only available online. • Registration is also online, instead of on paper. • BC Games also moved "Guidelines for the Host Community" transfer of knowledge to an online resource, resulting in a substantial paper reduction. • When applicable, BC Games sends correspondence via email instead of on paper. 	Continue providing most of the Games material online and also evaluating the option of having the Guidelines for the Host Community entirely online. Medical and Dietary forms, and other material will be moved online as well.	2008	No End Date (Continuous)
Switch to an electronic payroll notification system in place of paper pay stubs	Completed in 2010			Payroll switched from paper to paperless.		2010	No End Date (Continuous)
Behaviour change program							
Encourage staff to hold paperless meetings or presentations (i.e., no handouts)	Completed in 2010			Staff is encouraged to email agenda and use PowerPoint when applicable.		2009	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 re-use of scrap paper	Ongoing/In Progress		Staff is encouraged to reuse paper - one-sided printed material is also cut to be used for note paper.	Continue promoting re-using paper.	2009	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 12/31/10)	Performance to Date (as of 12/31/10)	Steps Taken in 2010	Steps Planned for 2011 -2013	Start Year	End Year
Business Travel						
Behaviour change program						
Encourage alternative travel to meetings (e.g., bicycles, public transit, walking)	Ongoing/In Progress		When available, staff is encouraged to rent hybrid vehicles and book hotels in close proximity to the meeting venues to eliminate travel.	Continue renting hybrid vehicles and hotel rooms close to the venues to reduce travel.	2009	No End Date (Continuous)
Education, Awareness, and Engagement						
Client/public awareness/education						
Provide education to clients/public about the conservation of water, energy, and raw materials	Ongoing/In Progress		<ul style="list-style-type: none"> Created guidelines to encourage "Green Games" for the Host Communities. Implemented a no idling policy for all Games vehicles. Require housing athletes and coaches close to their sport venues to encourage walking to their competition. 	Continue creating guidelines for "Green Games" for the next Host Communities and encourage the Host Communities to create their own "greening policies".	2011	No End Date (Continuous)
Other Sustainability Actions						
Procurement (non-paper supplies)						
Require a minimum purchase of sustainable, and organic food and beverages supplied by contracted food suppliers or caterers	Ongoing/In Progress		Host Communities are encouraged to use local foods whenever possible. Also, cutlery, plates, glasses and cups used at the Games are reusable.	Continue promoting sustainable foods for the Host Communities.	2008	No End Date (Continuous)
Indoor air quality						
Enforce a scent-free policy (e.g., no strong perfumes, deodorants, etc.)	Completed in 2010		BC Games office implemented a scent-free policy.		2010	No End Date (Continuous)