



Carbon Neutral Report

CSA Standards 2006 Annual Conference Travel Huntsville, ON

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1. Summary

CSA Standards (CSA) has completed the quantification of carbon emissions resulting from the 2006 CSA Annual Conference. The CSA Member Conference took place June 18th to 23rd, 2006 at the Deerhurst Resort in Huntsville, Ontario, Canada. The resulting inventory covers emissions from the over 400 attendees' travel to the conference and subsequent committee meetings using two primary categories:

1. Attendee Air travel
2. Attendee road/vehicle travel

Based on the quantification of the greenhouse gas emissions, CSA has made recommendations for potential directed actions which may help to reduce greenhouse gas emissions in future years. Emission reduction offsets have been purchased for the 2006 annual conference travel emissions, in order for CSA to be able to claim carbon neutrality for the conference travel. These actions are detailed further in the sections below.

CSA is committed to continued carbon management and carbon improvement. The CSA climate change division considers itself to be an adviser of choice to governments and organisations in the field of climate change mitigation, adaptation and carbon accounting and management. As such CSA is enthusiastic in its pursuit of attaining internal carbon neutrality and is focused on implementing changes that will reduce overall greenhouse gas emissions in every aspect of its operations; including their annual conference.

This document, and corresponding inventory calculations, were compiled by the CSA Climate Change office in Ottawa.

This document covers the reporting period for the 2006 annual conference event taking place from June 18th to 23rd, 2006. This includes travel emissions for all attendees for the conference and committee meetings taking place in Huntsville, ON.

2. Directed Actions

Whilst no documented directed actions were taken to reduce greenhouse gas emissions during the 2006 annual conference CSA, in its first year of reporting, has taken a strong interest in trying to reduce greenhouse gas emissions from the event in future years. The 2006 inventory can be used for comparative purposes in the future, to measure any progress that is made. Amongst directed actions being considered are introducing efforts to make conference and meeting session travel less emission intensive by encouraging staff attendees to arrange a car-pool if at all possible, or sign up via on-line registration for a shuttle service. These measures aim to come into effect for the 2007 annual conference inventory period.

3. Renewable Energy Purchases

As this report covers the emissions from travel to and from the conference/ committee meetings for 2006, no renewable energy can be purchased to reduce emissions.

4. Offset Projects

CSA Group has purchased verified emissions reductions from the Kettles Hill Wind Energy greenhouse gas project in order to obtain carbon neutrality status for travel. For further information, please refer to Section 5.

5. Offsets

CSA Group has purchased 131 verified emission reduction units from the above mentioned project posted on the publicly available Canadian GHG Reductions Registry. These offsets have been retired to the environment to offset the calculated travel emissions from the 2006 Annual Conference.

The offset listing shows that the emission reductions have been: internally verified against the values reported to the environmental choice program for electricity production at the Kettles Hill Wind Energy Project. The verification report is available for viewing, serialized with unique serial numbers, and all offsets have been retired.

These verified emission reductions are registered and can be viewed at:

http://www.ghgregistries.ca/reductions/rer_masterprojectdetails_e.cfm?pid=721

or

http://www.ghgregistries.ca/reductions/rer_masterrerdetails_e.cfm?pid=721&rid=666

The final 2006 conference/ committee meetings travel greenhouse gas emissions were calculated to be 131 tonnes of CO₂ equivalent. These emission reductions offset all travel by flight and motor vehicle to the 2006 CSA annual conference and committee meetings in Huntsville, ON.

Registered Emission Reduction units (RERs) retired to the Environment from the Kettles Hill Wind Energy Project:

This project consists of the installation of five 1.8 MW wind turbines in early 2006, to be followed up by an additional thirty 1.8 MW wind turbines to be installed by the end of 2006. Emission reductions were created through the provision of emissions free power to the Alberta power grid, offsetting the need for coal and natural gas electricity generating capacity. This results in direct emission reductions of carbon dioxide, methane and nitrous oxide which would otherwise have resulted from the electricity generation.

RERs RETIRED to the Environment from this project		
Serial Number:	Current Owner	total Reductions
C-AAA-0052-E-2006-00000001 - to - C-AAA-0052-E-2006-00000131	Canadian Standards Association (CSA)	131 t CO ₂ e

Offsets purchased and retired through the Canadian GHG Reductions Registry.

6. Carbon footprint table for carbon neutral reporting

Carbon Footprint (tonnes of CO ₂ e)*							
	CO ₂ (t CO ₂)	CH ₄ (t CO ₂ e)	N ₂ O (t CO ₂ e)	HFC (t CO ₂ e)	PFC (t CO ₂ e)	SF ₆ (t CO ₂ e)	Total (t CO ₂ e)
Direct GHG Emissions	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Energy Indirect Emissions	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Other Indirect Emissions	125.50	1.43	4.04	0	0	0	130.97
CO ₂ from biomass combustion	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Directed Actions (tonnes of CO ₂ e)	No directed actions taken for this event's travel emissions in 2006.
Purchases of Green power or other renewable energy (kWh)	None purchased for 2006 event.
Offsets (tonnes of CO ₂ e)	In total 131 offsets (tonnes of CO ₂ e) were purchased to offset the emissions of attendee travel to the CSA 2006 annual conference/ committee meetings in Huntsville, ON.

*Note the emission factors used in 2006 only provided total emissions in tonnes of CO₂ equivalents, not by specific gas type. To calculate the breakdown of GHG emissions in the form of carbon dioxide, methane and nitrous oxide individually, emission factor percentage breakdowns from Table A13-5 in the Canadian National Inventory Report (2004) were used against the total 130.97 t CO₂ e calculated for vehicle and air travel respectively.