



## Menno Place (Hospital) - 2011 Carbon Neutral Action Report

### Executive Summary

The Greenhouse Gas Reduction Target Act, passed in November 2007, tasked British Columbians to take solid action to reduce provincial emissions. As part of the Act, Menno Place has taken steps to reduce emissions, and will continue to work towards being Carbon Neutral.

At Menno Place (Hospital), a large part of our emissions is from natural gas fired boilers and electricity. We continue to take steps to reduce emissions through preventative maintenance and energy efficient equipment replacement.

Menno Place (Hospital) is committed to doing its part in an effort to reduce emissions for future sustainability of the environment, as well as financial sustainability for the organization.

### 2011 Greenhouse Emissions

Most of Menno Place's (Hospital) emissions in 2011 came from stationary fuel combustion and electricity at 98%. Other sources include paper at 2%.

### Offsets Applied to Become Carbon Neutral in 2011

The total emissions offsets that have been applied for in 2011 are 462 tonnes.

### Plans to Continue Reducing Greenhouse Gas Emissions 2012 – 2013

Future plans to reduce emissions at Menno Place (Hospital) include:

- Increasing staff awareness regarding turning off lights;
- Completing our product incentive program through BC Hydro, which consists of replacing old inefficient lights;
- Investigating building automation to control lights and other pieces of equipment to further decrease hydro usage;
- Replacing old equipment with high efficiency models;
- Integrating products received by Material Management so there are fewer vendor deliveries;
- Working with Fortis BC to find opportunities in equipment replacement to save on natural gas and reduce greenhouse gasses.

A handwritten signature in black ink, appearing to read "Arthur Enns", is written over a horizontal line.

**Arthur Enns, CHE**  
Chief Executive Officer  
Mennonite Benevolent Society

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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 12/31/11)	Performance to Date (as of 12/31/11)	Steps Taken in 2011	Steps Planned for 2012 -2014	Start Year	End Year
<b>Mobile Fuel Combustion (Fleet and other mobile equipment)</b>						
This section is either not applicable, not yet evaluated, or was completed before 2011						
<b>Stationary Fuel Combustion, Electricity and Fugitive Emissions (Buildings)</b>						
<b>Behaviour change program</b>						
Ask staff to unplug electrical equipment or switch off power bars when not in use	Ongoing/In Progress		Notices put into the weekly bulletin	Continue educating staff through the weekly bulletin	2008	No End Date (Continuous)
Provide reminders for turning off lights (e.g., signs, stickers, messages)	Ongoing/In Progress		Notices in the news letter	We will provide a circulation of various ideas every week.	2007	No End Date (Continuous)
<b>Supplies (Paper)</b>						
<b>Printer/document settings</b>						
Apply "print and hold" settings to networked printers to eliminate unclaimed print jobs	In Development			Moving toward implementing this where ever possible	2012	2013
<b>Electronic media in place of paper</b>						
Use electronic document library for filing common documents	Ongoing/In Progress		We introduced a carbon free folder for meeting agenda's, handouts and minutes	Continue promoting this approach	2011	No End Date (Continuous)
<b>Behaviour change program</b>						
Encourage staff to hold paperless meetings or presentations (i.e., no handouts)	Ongoing/In Progress		We developed a carbon free folder to insert minutes, agenda's and handouts.	We will continue to have more paperless meetings	2011	No End Date (Continuous)
Encourage re-use of scrap paper	Ongoing/In Progress		We asked staff to reuse paper from their office recycle bins	We will continue promoting this practice	2007	No End Date (Continuous)

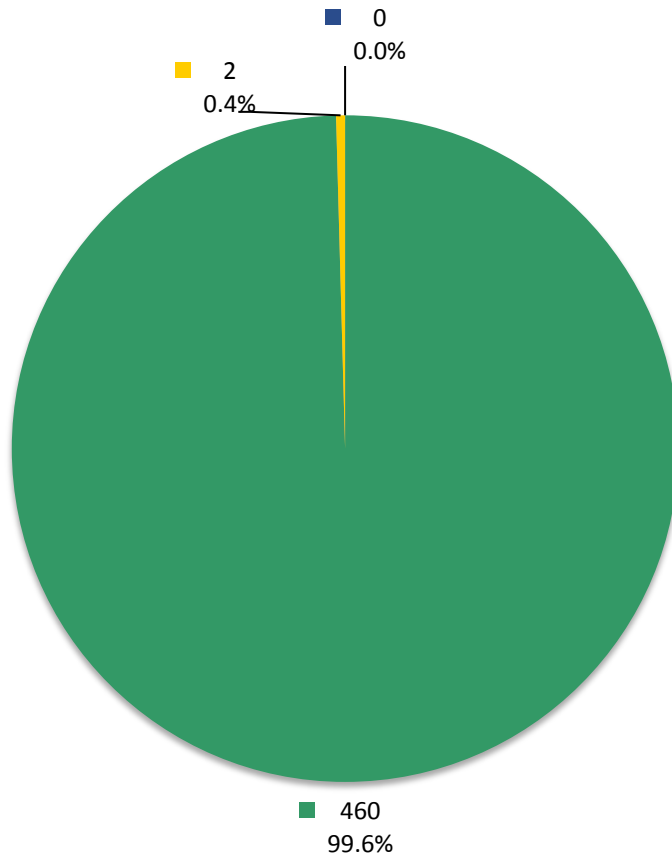
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## Actions to Reduce Provincial Emissions and Improve Sustainability

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
<b>Business Travel</b>						
<b>Virtual meeting technology</b>						
Install web-conferencing software (e.g., Live Meeting, Elluminate, etc.)	Ongoing/In Progress		We always promote web conferencing with suppliers and firms when dealing with training and presentations	Currently we don't have computers with web conferencing software. Generally other firms with use their software for a web conference.	2009	No End Date (Continuous)
<b>Behaviour change program</b>						
Encourage carpooling to meetings	Completed in 2011		We always carpool to meetings when possible		2008	No End Date (Continuous)
<b>Education, Awareness, and Engagement</b>						
<b>Staff awareness/education</b>						
Provide education to staff about the science of climate change	In Development			Plans to inform staff on climate change via our weekly bulletin	2011	2012
Provide education to staff about the conservation of water, energy, and raw materials	In Development			same as above	2011	2012
Provide green tips on staff website or in newsletters	In Development			same as above	2011	2012
<b>Other Sustainability Actions</b>						
<b>Procurement (non-paper supplies)</b>						
Implement sustainable purchasing program for cleaning products, disposable paper products and trash bags	Completed in 2011		We only purchase products with green seal.			
<b>Indoor air quality</b>						
Incorporate low volatile organic compounds (VOCs) standards into procurement policy for products such as paints, carpets, and furniture	Ongoing/In Progress		We changed all our paint to zero voc paint	We will continue to change our policies to only accept greener alternatives for materials	2007	No End Date (Continuous)
<b>Commuting to and from home</b>						
Offer staff a compressed work week	Completed in 2011		We offer a compressed work week to staff		2007	No End Date (Continuous)
Encourage commuting by foot, bicycle, carpool or public transit	In Development			limited parking, added fitness rooms , encourage people to participate in sun runs	2007	No End Date (Continuous)

**Menno Hospital  
Greenhouse Gas Emissions by Source  
for the 2011 Calendar Year (tCO<sub>2</sub>e\*)**



**Total Emissions: 462**

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

**Offsets Applied to Become Carbon Neutral in 2011 (Generated May 18, 2012 10:53 AM)**

Total offsets required: **462**. Total offset investment: **\$11,550**. Emissions which do not require offsets: **0** \*\*

\*Tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e) 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.