Menno Place (Hospital) - 2012 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.

2012 Greenhouse Emissions

Most of Menno Place's (Hospital) emissions in 2012 came from stationary fuel combustion and electricity at 98%. Other sources include paper at 2%.

Offsets Applied to Become Carbon Neutral in 2012

The total emissions offsets that have been applied for in 2012 are 472 tonnes.

Plans to Continue Reducing Greenhouse Gas Emissions 2013 – 2014

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

- Increasing staff awareness regarding turning off 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.

Keith Anderson,
Chief Executive Officer
Mennonite Benevolent Society

Menno Home and Hospital - 2012 Carbon Neutral Action Report

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.

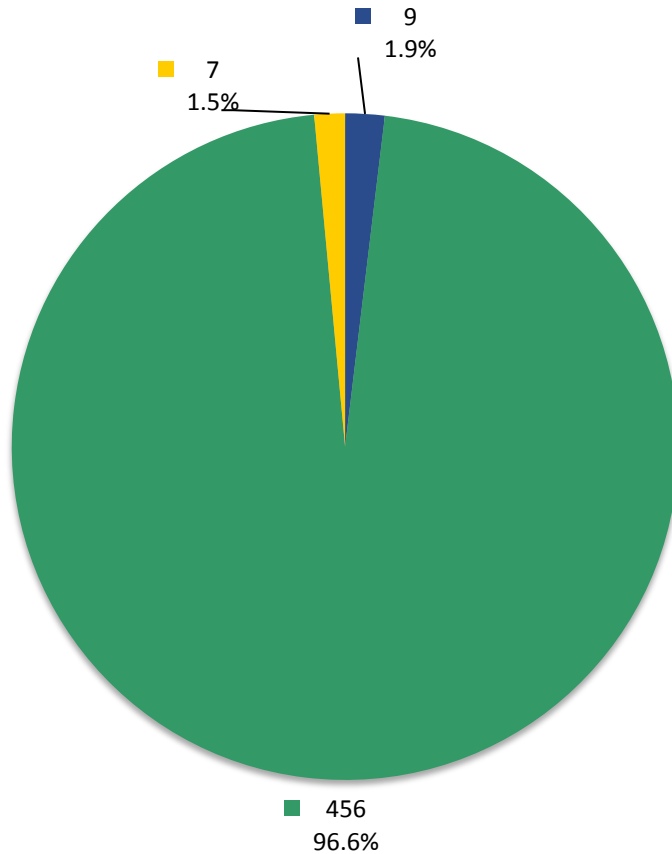| Action	Status	Steps Taken	Steps Planned	Start Year	End Year
Mobile Fuel Combustion (Fleet and other)					
Behaviour change program					
Introduce anti-idling policy and/or raise anti-idling awareness for fleet drivers (e.g., signs, stickers, messages)	Completed (in Reporting Year)	Signage posted outside the building.		2012	2012
Encourage carpooling in fleet vehicles	Not Yet Evaluated				No End Date (Continuous)
Vehicle fuel efficiency					
Perform regular fleet maintenance to improve fuel-efficiency	Completed (in Reporting Year)	Bus is maintain on a regular basis. Quarterly maintenance servicing.		2012	No End Date (Continuous)
Stationary Fuel Combustion, Electricity					
Behaviour change program					
Help staff reduce personal energy use through ""workstation tune-ups""	Completed (in Reporting Year)	Workstation tune ups are scheduled and carried out.		2012	2012
Ask staff to unplug electrical equipment or switch off power bars when not in use	Not Yet Evaluated				No End Date (Continuous)
Ask staff to unplug electrical equipment or switch off power bars when not in use	Not Yet Evaluated				No End Date (Continuous)
Ask staff to close blinds at end of work day to reduce heating/cooling demands	Completed (in Previous Year)				No End Date (Continuous)
Encourage staff to use air dry setting on dishwashers	Completed (in Previous Year)				No End Date (Continuous)
Provide tips to staff on saving energy in the office while working outside of regular business hours	Not Yet Evaluated				No End Date (Continuous)
Encourage use of stairs instead of elevators	Not Yet Evaluated				No End Date (Continuous)
Provide reminders for turning off lights (e.g., signs, stickers, messages)	Completed (in Previous Year)				No End Date (Continuous)
Promote hot water conservation	Completed (in Previous Year)				No End Date (Continuous)
IT power management					
Install power management software which shuts down computers outside of regular business hours	Completed (in Previous Year)				No End Date (Continuous)
Implement server virtualization	Not Yet Evaluated				No End Date (Continuous)
Apply auto-sleep settings on computer monitors and CPUs	Completed (in Previous Year)				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	Multi function printer was installed and eliminated other stand alone units. We also introduced a HID system to retreive print jobs. This eliminated the printing documents and not collecting them.	Plans are to replace another common printer with the HID scanning capabilities.	2012	2013
Apply auto-sleep settings on printers, fax machines, and/or multi-function devices	Completed (in Previous Year)				No End Date (Continuous)
Replace computers with ENERGY STAR models during regular computer upgrades	Completed (in Previous Year)				No End Date (Continuous)
Owned buildings					
Establish energy performance baseline for owned buildings	Not Yet				No End Date

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Action	Status	Steps Taken	Steps Planned	Start Year	End Year
	Evaluated				(Continuous)
Incorporate a refrigerant management strategy into regular building management/maintenance to reduce fugitive emissions	Not Yet Evaluated				No End Date (Continuous)
Planning/management					
Install a real time metering system (e.g. Pulse, Reliable Controls, Houle Controls)	Not Yet Evaluated				No End Date (Continuous)
Retrofit details for owned buildings					
Upgrade lighting systems during retrofits	Completed (in Previous Year)				No End Date (Continuous)
Supplies (Paper)					
Behaviour change program					
Train staff to use collaborative software for electronic editing (e.g. SharePoint, Groove, etc.)	Not Yet Evaluated				No End Date (Continuous)
Encourage staff to hold paperless meetings or presentations (i.e., no handouts)	Ongoing/In Progress	Started a common carbon free meetings where staff can keep agenda's, minutes and hand outs on a common digital file.	Encouraging staff to continue to use the carbon free meetings	2011	No End Date (Continuous)
Electronic media in place of paper					
Use electronic document library for filing common documents	Ongoing/In Progress	We are working towards a paper library	Continue to educate staff on electronic filing	2008	No End Date (Continuous)
Switch to an electronic payroll notification system in place of paper pay stubs	Not Yet Evaluated				No End Date (Continuous)
Paper Type					
Purchase 30% post-consumer recycled paper	Completed (in Reporting Year)	We use only 30% or 100% post consumer paper		2008	2012
Purchase 100% post-consumer recycled paper	Completed (in Previous Year)				No End Date (Continuous)
Printer/document settings					
Switch networked printers and photocopiers to automatic double-sided	Completed (in Reporting Year)	Double sided printing set up for all users.		2012	2012

Menno Hospital
Greenhouse Gas Emissions by Source
for the 2012 Calendar Year (tCO$_2$e*)

9
1.9%

7
1.5%

456
96.6%

Total Emissions: 472

■ 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 2012 (Generated May 27, 2013 11:05 AM)
Total offsets required: **472**. Total offset investment: $**11,800**. Emissions which do not require offsets: **0** **

*Tonnes of carbon dioxide equivalent (tCO$_2$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.