



*A Multidenominational Enterprise of the
Anglican, Roman Catholic
and United Churches*

*A Health Facility for
Complex Care and Hospice*

May 2013

St. Michael's Centre – 2012 Carbon Neutral Action Report

Executive Summary

St. Michael's Centre is a 128 bed complex care facility and 16 bed hospice located on Sussex Avenue in Burnaby, BC. The facility was constructed in 1981, added on to in 1992 and partially renovated in 2002 to develop the hospice program. It is an aging facility as much of our building services were installed in 1981 and 1992. It is a denominational care organization with the Anglican, Roman Catholic and United Churches as founders. These denominations continue to support the organization through their guidance and active participation on the Board of Directors.

Overview

Actions Taken to Reduce Greenhouse Gas Emissions

St. Michael's Centre has been implementing initiatives for the previous years.

Some of our implemented initiatives include:

- Waste management practices including a recycling program and redeploying obsolete items.
- Centralized printing and data sharing
- Encouragement of car pooling
- Reduction of paper and waste through medication dispensing system
- Utilization of SharePoint software
- Installation of energy efficient lighting

Plans to Continue

While we have not made any major plans we continue to be committed within our available resources and funding to investigate opportunities for improvement.

A handwritten signature in black ink, appearing to read 'Blake Armstrong'.

Blake Armstrong
Senior Operations Leader

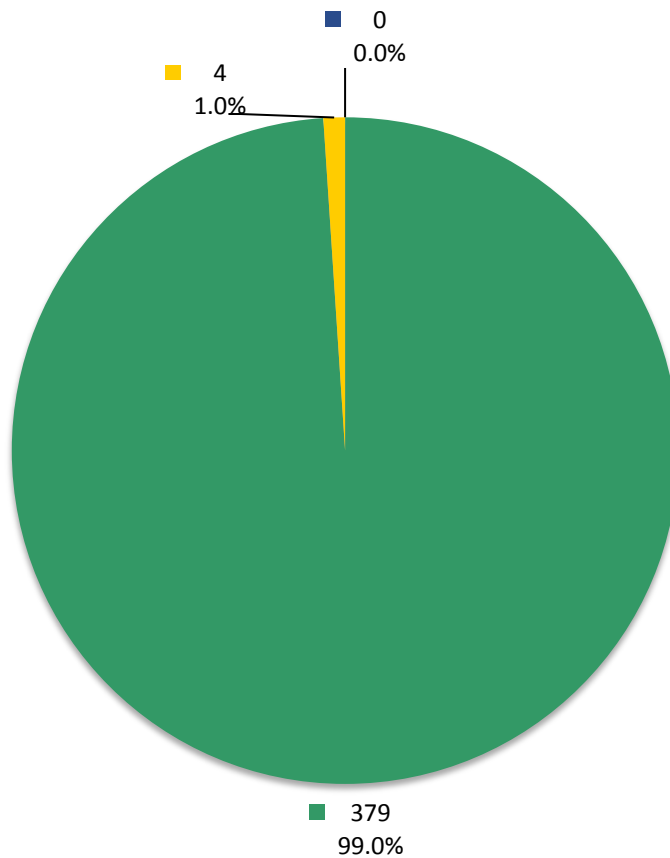
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Actions Towards Carbon Neutrality

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	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)	Ongoing/In Progress	Enforced	Maintain current practice	2008	No End Date (Continuous)
Stationary Fuel Combustion, Electricity					
IT power management					
Install power management software which shuts down computers outside of regular business hours	Ongoing/In Progress	Planning initiated in 2009 to implement Desktop Power Management for all applicable desktops	Maintain Practice	2009	No End Date (Continuous)
Retrofit details for owned buildings					
Upgrade lighting systems during retrofits	Ongoing/In Progress	Upgrades will take place as funding permits.	Continue with upgrades contingent on funding.	2008	No End Date (Continuous)
Upgrade/adjust control systems during retrofits	Ongoing/In Progress	Connecting valves and controls to central building automation system	Continue upgrades with available funds	2008	No End Date (Continuous)
Improve building insulation (including windows) during retrofits	Ongoing/In Progress	Increased amount of insulation material in various attic spaces where previously minimal	Continue upgrades with available funds	2008	No End Date (Continuous)

**St. Michael's Centre
Greenhouse Gas Emissions by Source
for the 2012 Calendar Year (tCO₂e*)**



Total Emissions: 383

- 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 11:15 AM)

Total offsets required: **383**. Total offset investment: **\$9,575**. 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.