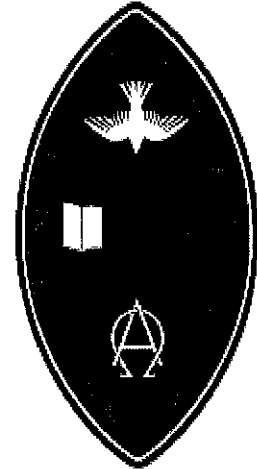


Bella Coola General Hospital - 2010 Carbon Neutral Action Report

Executive Summary



Owned and operated by the United Church of Canada and located in Bella Coola, Bella Coola General Hospital (BCGH) is a 2,089 square meter 15 bed facility comprised of 10 acute care beds, 5 residential beds and provides services of Acute/Emergency, Residential, Mental Health, Public Health, Home & Community Support, Addictions, and Transit to the whole of Bella Coola Valley (Population about 1,900). The Bella Coola Valley encompasses the settlements of Bella Coola, Lower Bella Coola, Hagensborg, Saloompt. Nusatsum. Firvale and Stuiie, and include nearby marine-access settlements such as Tallheo. The Nuxalk, an indigenous people of the area, where in the past referred to as the Bella Coola.

The Bella Coola General Hospital is affiliated with Vancouver Coastal Health (VCH) and receives its funding for the core programs through VCH in keeping with the affiliation agreement.

Bella Coola General Hospital was constructed in 1979 and a number of renovations and upgrades that support and enhance the medical services, safety, and accessibility building and energy efficiency were implemented in 1998 and in 2002 and these include:

- Metal Roof Upgrade and Insulation in 1998. (A.2)
- New lab and radiology area renovated in 2002. (A.2)
- During a major renovation in 2002, approximately two thirds of the roof was replaced and reinsulated. (A.2)
- Exterior wood frame walls were seismically upgraded in 2002 . (A.2)
- Patient wards, public washrooms, the tub and shower rooms were upgraded to meet accessibility standards in 2002
- Fire protection was installed throughout in 2002.

- The HVAC and fire Alarm System were upgraded and a new generator installed in 2002.
- Some but not all of the building lighting was retrofitted from old and inefficient T12 fluorescent lighting and magnetic ballasts to energy efficient T8 fluorescent lighting and electronic ballasts in 2002. (A.2)

We are committed to develop and maintain the best possible practices and policies for the health and safety of our residents, our staff, our community and our environmental health. While we are also committed to implement sustainability and energy efficiency measures and develop collaborative partnerships with external agencies and service providers to reduce our Green House Gas (GHG) emissions and our Carbon Footprint in preparation for carbon neutrality in 2011, our remote and isolated community and financial and staff resources represent challenges to meet our environmental obligations.

Overview:

Actions Taken to Reduce Greenhouse Gas Emissions - 2010

No environmental and/or energy efficiency initiatives were implemented in 2010 to reduce Green House Gas Emissions (GHG).

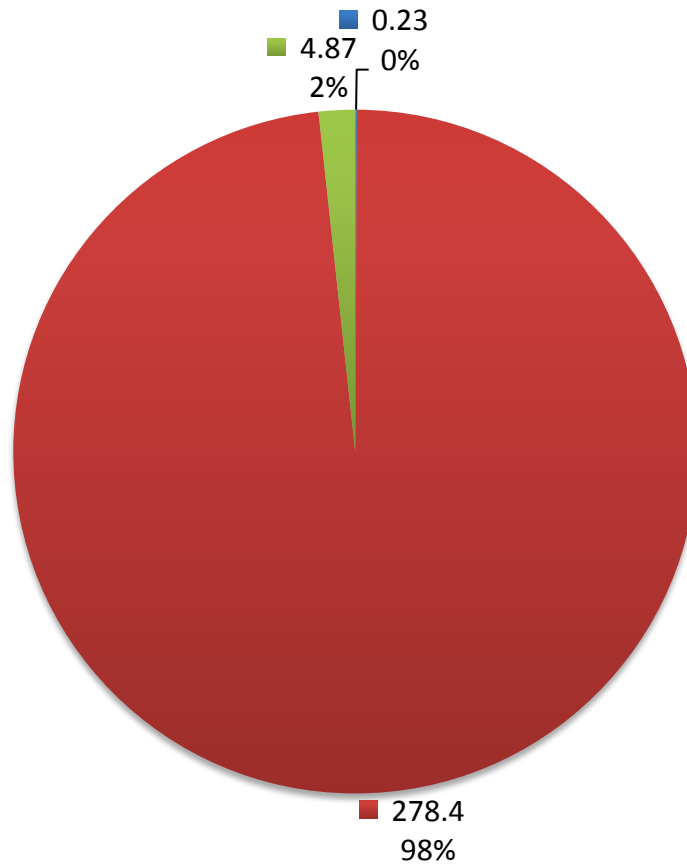
Plans to Continue Reducing Greenhouse Gas Emissions 2011 – 2012

While no environmental and/or energy efficiency measures are planned for 2011-2012, due to lack of financial and staff resources, we will continue to encourage staff awareness to support energy reduction and sustainability activities. We will also implement other initiatives that will contribute to our goal of reducing Greenhouse Gas Emissions (GHG) and reduce our carbon footprint and to support our environmental commitments.

Our remote and isolated community and financial and staff resources represent challenges to meet our environmental obligations.



Bella Coola General Hospital, The United Church Health Services Society
Greenhouse Gas Emissions by Source
for the 2010 Calendar Year (tCO₂e*)



Total Emissions: 283.5

- 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: **276.49**. Total offset investment: **\$6,912.25**. Emissions which do not require offsets: **7.01** **

*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)						
Vehicle fuel efficiency						
Perform regular fleet maintenance to improve fuel-efficiency	Ongoing/In Progress	1 % of vehicles are subject to regular maintenance for fuel efficiency				
Stationary Fuel Combustion, Electricity and Fugitive Emissions (Buildings)						
Retrofitting owned buildings						
Improve building insulation (including windows) during retrofits	In Development					
IT power management						
Apply auto-sleep settings on computer monitors and CPUs	Completed in 2010	100 % of computers have auto-sleep settings applied				
Remove stand-alone printers, copiers, and/or fax machines and install multi-function devices	In Development					
Apply auto-sleep settings on printers, copiers, fax machines, and/or multi-function devices	In Development	75 % of devices have auto-sleep settings applied				
Replace computers with ENERGY STAR models during regular computer upgrades	In Development					
Appliances and electronic devices						
Replace refrigerators with ENERGY STAR models or source ENERGY STAR models for future purchases	In Development					
Replace other appliances or electronic devices with ENERGY STAR models or source ENERGY STAR models for future purchases	In Development					
Replace desk lamp incandescent bulbs with compact fluorescent (CFL) bulbs or source more efficient desk lamps for future purchases	In Development					
Behaviour change program						
Help staff reduce personal energy use through "workstation tune-ups"	In Development					
Supplies (Paper)						
Paper Type						

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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
Purchase 30% post-consumer recycled paper	Ongoing/In Progress	50	% of total paper purchased contains 30% recycled content				
Purchase 100% post-consumer recycled paper	Ongoing/In Progress						
Printer/document settings							
Reduce default margin size in standard document templates (e.g., letters, briefing notes, forms, etc.)	Ongoing/In Progress						
Electronic media in place of paper							
Switch to an electronic payroll notification system in place of paper pay stubs	In Development			Ongoing discussions with VCH to include Bella Coola in the VCH payroll system to eliminate the stand alone payroll system onsite. This will greatly reduce paper usage.			
Behaviour change program							
Train staff to use collaborative software for electronic editing (e.g. SharePoint, Groove, etc.)	In Development						
Encourage staff to hold paperless meetings or presentations (i.e., no handouts)	In Development						

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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						
Policy and budgeting						
Create a low-carbon travel policy or travel reduction goal	In Development		encourage staff to walk or bike to work.			
Virtual meeting technology						
Install web-conferencing software (e.g., Live Meeting, Elluminate, etc.)	In Development					
Make desktop web-cameras available to staff	In Development					
Behaviour change program						
Train staff in web-conferencing	In Development					
Encourage staff to consider virtual attendance/presentation at events where possible	In Development					
Other Sustainability Actions						
Procurement (non-paper supplies)						
Incorporate minimum recycled content standards into procurement policy for consumable, non-paper supplies (e.g., writing instruments, binders, toner cartridges, etc.)	Ongoing/In Progress					
Establish green standards for goods that are replaced infrequently and/or may require capital funds to purchase (e.g., office furniture, carpeting, etc.)	In Development					
Implement sustainable purchasing program for cleaning products, disposable paper products and trash bags	Ongoing/In Progress					
Building construction, renovation, and leasing						
Establish a policy to reuse materials where possible and divert construction and demolition debris from landfills and incineration facilities	Ongoing/In Progress					
Commuting to and from home						
Encourage commuting by foot, bicycle, carpool or public transit	Ongoing/In Progress					