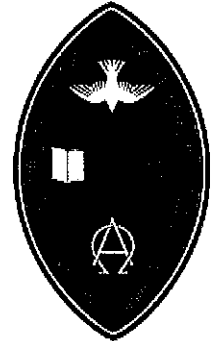


R.W. Large Memorial Hospital - 2010 Carbon Neutral Action Report

Executive Summary



RW Large Memorial Hospital is a 3,008 square meter 15 bed Acute/Residential care hospital owned and operated by the United Church of Canada and located on the Heiltsuk First Nation reserve at Bella Bella , also called by the traditional name of 'Waglisla'. Affiliated with VCH, the Hospital provides basic acute care, long term care and medical services. Bella Bella is home to the Heiltsuk First Nation (population 1,500) and the Hospital serves the Heiltsuk , who have lived in the area for over 10,00 years, as well as residents of Denny island, Klemtu and Ocean Falls, transient mariners, loggers and tourists. The community of Bella Bella , or called by the traditional name of 'Waglisla' is located in an area of the central coast of British Columbia coastline called the 'Great Bear Rainforest' and offers some of the world's best fishing, whale watching, kayaking, hiking, and other outdoor pursuits and has a population of 2,000 (Aboriginal and non Aboriginal).

R.W. Large memorial hospital was constructed in 1975 and a number of renovations and upgrades that support and enhance building and energy efficiency were implemented in 1993, 1995, 1996-1997, 2003, and 2010 and these include:

- Boilers and mechanical updated in 1995. (A.2)
- Roof replaced and insulated in 1993. (A.2)
- Exit lights replaced to energy efficient LED lighting in 1996-97. (A.2)
- DDC (Direct Digital Controls) building automation systems installed in 1996-97. (A.2)
- Building envelope replaced and insulated in 2003. (A.2)
- Metal windows replaced with vinyl double glazed windows in 2003. (A.2)
- Total building lighting retrofitted from old and inefficient T12 34-watt fluorescent lighting and magnetic ballasts to energy efficient T8 25-watt fluorescent lighting and programmed-start electronic ballasts. (A.2)

- The Heiltsuk First Nation band is currently in the process of planning for a community-wide recycling . program.
(B.6)

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 2010, 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 key environmental initiatives were implemented in 2010.

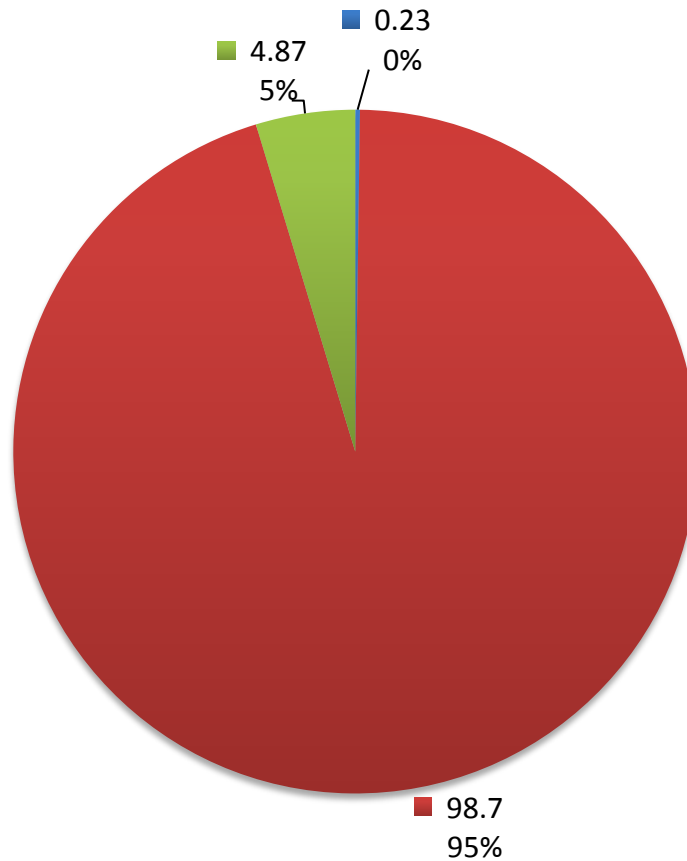
Plans to Continue Reducing Greenhouse Gas Emissions 2011 – 2013

- Staff are continually reminded to be aware of energy usage – turning off lights and turning down the thermostats in the Housing units when not in the apartments to reduce heating costs. This will be addressed again in future staff meetings.(A.2)

While no other key environmental initiatives are planned for 2011-2013, we will continue to investigate and introduce other actions that will contribute to our goal of implementing sustainability initiatives and reducing Greenhouse Gas Emissions (GHG) and Carbon Footprint within our financial and staff resources.

A handwritten signature in black ink, appearing to read 'M. Byler', is located at the bottom left of the page.

R.W. Large Memorial Hospital Greenhouse Gas Emissions by Source for the 2010 Calendar Year (tCO₂e*)



Total Emissions: 103.8

- 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: **103.79**. Total offset investment: **\$2,594.75**. Emissions which do not require offsets: **0.01** **

*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							
Replace vehicles with more fuel-efficient models	In Development			discussions with the owner United Church Health Services Society to purchase a new vehicle. They are not in a financial situation to carry this forward			
Replace larger vehicles with smaller models according to fleet "right-sizing" principles	In Development			as above			
Perform regular fleet maintenance to improve fuel-efficiency	Completed in 2010	1	% of vehicles are subject to regular maintenance for fuel efficiency	regular maintenance is done at Port Hardy BC			
Replace small maintenance vehicles with more fuel-efficient models	In Development			as above			
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 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						

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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
Supplies (Paper)							
Paper Type							
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	100	% of computers have web-conferencing software installed				
Make desktop web-cameras available to staff	In Development	1	% of staff have access to a desktop web-camera				
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							
Introduce telework/work from home policy	Ongoing/In Progress						
Encourage commuting by foot, bicycle, carpool or public transit	Ongoing/In Progress						