



CONSEIL SCOLAIRE FRANCOPHONE DE LA COLOMBIE-BRITANNIQUE

School District 93 2010 Carbon Neutral Action Report

Executive Summary

As part of its overall long-term Strategic Plan, the Conseil Scolaire Francophone recognizes the importance that all environmental learning aims to integrate environmental thinking and ideas into students' everyday lives. In this way, it is hoped that students will begin to realize how they can take personal responsibility and leadership in creating a more environmentally sustainable way of life. We must also turn to ourselves, as an educational institution and as individuals, to make changes and develop a new ethic – a responsible attitude toward caring for the Earth. Working to integrate environmental learning within all subject areas promotes this change in attitude by providing students with opportunities to experience and investigate the relationships linking individuals, societies, and natural surroundings. Schools continue to expand environmental learning into the curriculum. Recycling, composting and waste reduction programs continue to expand in the schools with increased student and teacher participation.



Through its Capital Program, the CSF practices environmental sustainability by requiring LEEDS certification that is demonstrated by the LEEDS Silver designation granted to École Victor Brodeur. The CSF new secondary school Jules Verne, opened in

January 09, is expected to receive LEEDS Silver certification. Two construction projects in Campbell River and Comox areas, expected to be finalized this fall will be LEEDS Gold certified. The CSF is in the process of establishing a Green Team Committee that will be mandated to coordinate and support all aspects of helping students and the community



to learn about how they are connected to natural environment through direct experience in both natural and human designed systems like their school buildings. Although the CSF may not meet Energy Retrofit minimum funding criteria, it continues to focus on energy efficient renovations as part of its three year Annual Facilities Grant Program. Removal of single pane glazing and installation of energy efficient lighting systems in all of our schools are examples of existing short and long-term retrofit programs that form part of the CSF 3

year AFG Plan. We finalized the replacement of all the windows in one school in Delta and started with another school in Powell River. We'll continue this process every year to ensure that we'll achieve this goal for all the schools in the next future. Recent discussions with representatives from Terasen Gas, VFA and other companies are resulting in further investigation into programs that either utility can offer to the CSF to assist in its quest for carbon neutrality. One of them is replacing the whole heating system in our school in Prince George, in this summer, project that started a few years ago and that will reduce our carbon footprint.

Sylvain Allison,
Secretary Treasurer

2010 Greenhouse Gas Emissions

The 2010 greenhouse gas emissions for the School District 93 comes to a total of 2300,15 tonnes of CO₂e.

Offsets Applied to become Carbon Neutral in 2010

The total emission offsets have been applied to become carbon neutral for 2010.

Emissions Reduction Activities

Actions Taken to Reduce Greenhouse Gas Emissions in 2010

In 2010 our Maintenance Department utilized its very limited funding for several windows retrofits and HVAC upgrades in an attempt to increase efficiency and reduce energy costs. One HVAC upgrade was started and we completely replaced all the windows with more energy efficient ones for école du Bois-Joli in Delta. Also, we started the windows replacement, infill and lighting upgrades for école Côte du Soleil in Powell River.

Monitoring and measuring the efficiency of our centrally controlled heating and ventilation systems continued to be a focus for us in an attempt to reduce the consumption of natural gas and to provide balanced systems in a variety of structures and school buildings across the District.

148 bus routes operate each day providing transportation services to 80% of francophone students attending regional school throughout the province of British Columbia. Over the past two years, the CSF embarked on restructuring its transportation system that includes a rewrite of its transportation policy and the purchase of an extensive transportation mapping software. The goal is to develop a system that provides reasonable service levels while reducing the overall environmental impact of such a complex bussing system.

Reports were provided to schools to in regards to photo copying and paper consumption. Schools are expected to manage consumption at the school level through administrative vigilance. The majority of schools have moved away from paper newsletters and chose to publish newsletters only on their school websites. Also, we developed virtual classrooms and and discussion boards, to reduce our paper consumption.

In 2010 we purchased another environmentally friendly vehicle, a hybrid model, with fewer emissions and pollutants.

Plans to Continue Reducing Greenhouse Gas Emissions 2011–2013

Plans for future reduction of Greenhouse Gas Emissions will continue to focus on the moral and economic imperatives. Our new Green Team Committee will establish a program to educate our students, staff and parents because the environmental education and sustainable behaviour change will continue to be one of our main goals over the next three years. We will continue encouraging schools to support behavioural changes related to sustainability by



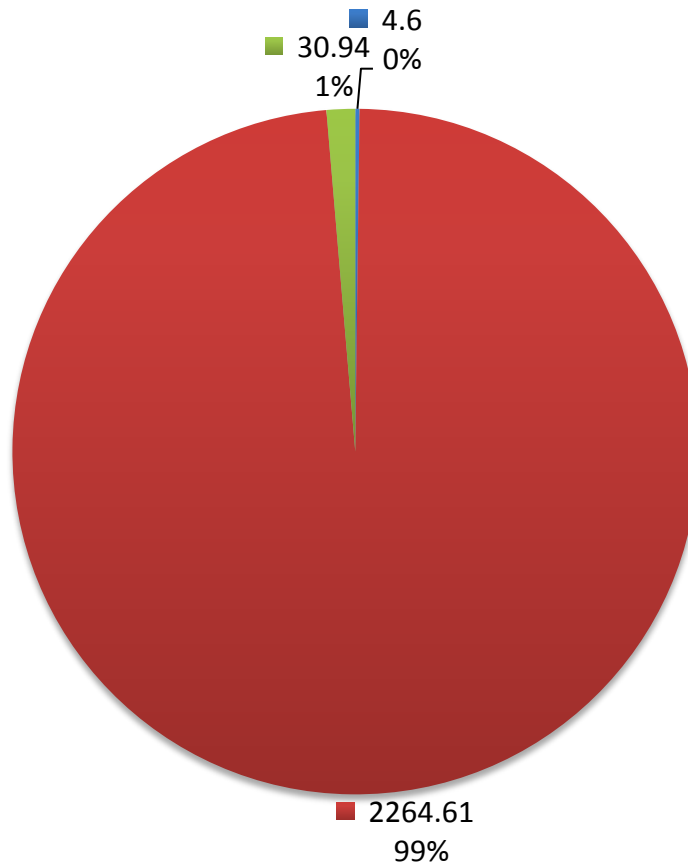
linking curriculum to school district practice.

The Maintenance Department will prioritize HVAC and lighting upgrades that contribute to more energy efficient systems. We will replace this year the HVAC system for École Franco Nord in Prince George, a big project that will be finalized by the end of summer. We will continue over the next three years the HVAC system upgrade for École du Bois Joli in Delta, the windows replacement for École Côte du Soleil in Powell River and will do the same for the other schools in our District.

Two new schools will be opened this year, École Mer-et-Montagne in Campbell River and École Au cœur de l'Île in Comox and both of them will be LEEDS GOLD certified.

Conseil Scolaire Francophone de la CB SD93

Greenhouse Gas Emissions by Source for the 2010 Calendar Year (tCO₂e*)



Total Emissions: 2300.15

- 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: **2300.15**. Total offset investment: **\$57,503.75**. 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 Government Neutral 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.

Conseil Scolaire Francophone de la CB SD93 - 2010 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 (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	Completed in 2010	100 % of vehicles are fuel- efficient models	all our vehicles are hybrid models with small engines		2009	No End Date (Continuous)
Perform regular fleet maintenance to improve fuel-efficiency	Ongoing/In Progress	100 % of vehicles are subject to regular maintenance for fuel efficiency	dealership maintenance	will continue the same procedure	2009	No End Date (Continuous)
Behaviour change program						
Provide fleet driver training to reduce fuel use	Completed in 2010	100 % of current drivers are trained	provide more training		2009	No End Date (Continuous)
Introduce anti-idling policy and/or raise anti-idling awareness for fleet drivers (e.g., signs, stickers, messages)	Ongoing/In Progress	50 % of the schools have anti-idling street signs installed	we installed anti-idling street signs in front of our schools	will continue the same procedure	2011	No End Date (Continuous)
Stationary Fuel Combustion, Electricity and Fugitive Emissions (Buildings)						
Owned buildings						
Achieve LEED NC Gold certification at a minimum for new construction or major renovations	Ongoing/In Progress	10 % of owned buildings are certified LEED NC Gold or LEED NC Platinum	we continued the construction of 2 new schools with LEED certification	will continue the same procedure	2007	No End Date (Continuous)
Complete energy retrofits on existing, owned buildings	In Development	5 % of owned buildings have undergone energy retrofits since start year indicated		will continue the same procedure	2010	No End Date (Continuous)
Retrofitting owned buildings						
Upgrade mechanical systems (heating, cooling, ventilation) during retrofits	Ongoing/In Progress	5 % of retrofits since start year indicated had heating, cooling, and ventilation systems upgrades	windows replacement in one school	will replace completely the heating system with a performant one in one school	2010	No End Date (Continuous)
Upgrade/adjust control systems during retrofits	Ongoing/In Progress	0 % of retrofits since start year indicated had control system upgrades or adjustments	planned for the next upgrades	will have a new heating with DDC system in one school	2011	No End Date (Continuous)
Improve building insulation (including windows) during retrofits	Ongoing/In Progress	5 % of retrofits since start year indicated had insulation improvements	windows replacement in one school	will continue the same procedure	2008	No End Date (Continuous)
IT power management						
Install power management software which shuts down computers outside of regular business hours	In Development	50 % of computers shut down automatically outside of regular business hours		will continue the same procedure	2009	No End Date (Continuous)

Conseil Scolaire Francophone de la CB SD93 - 2010 Carbon Neutral Action Report

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
Implement server virtualization	Ongoing/In Progress	50	% of servers have been virtualized since start year indicated	10 servers have been virtualized this year	will continue the same procedure	2009	No End Date (Continuous)
Remove stand-alone printers, copiers, and/or fax machines and install multi-function devices	Ongoing/In Progress	50	% reduction in printers, copiers, and/or fax machines since start year indicated	10 new multi-function devices have been renewed in 2010 - We encourage staff to use central, shared printers	will continue the same procedure	2002	No End Date (Continuous)
Behaviour change program							
Help staff reduce personal energy use through "workstation tune-ups"	Ongoing/In Progress	50	% of current staff have completed a workstation tune-up	staff training	will continue the same procedure	2006	No End Date (Continuous)
Ask staff to unplug electrical equipment or switch off power bars when not in use	Ongoing/In Progress			staff training	will continue the same procedure	2009	No End Date (Continuous)
Ask staff to close blinds at end of work day to reduce heating/cooling demands	Ongoing/In Progress			staff training	will continue the same procedure	2009	No End Date (Continuous)
Encourage staff to use air dry setting on dishwashers	Ongoing/In Progress			staff training	will continue the same procedure	2009	No End Date (Continuous)
Promote hot water conservation	Ongoing/In Progress			staff training	will continue the same procedure	2009	No End Date (Continuous)
Supplies (Paper)							
Paper Type							
Purchase 30% post-consumer recycled paper	Ongoing/In Progress	90	% of total paper purchased contains 30% recycled content	most of the paper products were purchased using 30% recycled content	will continue the same procedure	2009	No End Date (Continuous)
Electronic media in place of paper							
Install collaborative software for electronic editing (e.g. SharePoint, Groove, etc.)	In Development	10	% of staff workstations with software installed	We are in the evaluation stage of this project	Installation of WebDAV Share in our portal for users and groups	2010	2012
Use electronic document library for filing common documents	In Development			We are in the evaluation stage of this project	Evaluation of a solution for Document management and archiving	2010	2011
Post materials online that were previously printed	Ongoing/In Progress	70	% of the documents are accesible online, on our portal	All administrative forms, tutorials, support requests are now in electronic format on our Portal	will continue this procedure	2009	No End Date (Continuous)
Behaviour change program							
Encourage staff to hold paperless meetings or presentations (i.e., no handouts)	Ongoing/In Progress			staff training	will continue the same procedure	2005	No End Date (Continuous)
Encourage re-use of scrap paper	Ongoing/In Progress			staff training	will continue the same procedure	1995	No End Date (Continuous)

Conseil Scolaire Francophone de la CB SD93 - 2010 Carbon Neutral Action Report

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			travelling is reduced to a minimum, introduced virtual meetings wherever possible	travelling is reduced to a minimum	2011	No End Date (Continuous)
Virtual meeting technology							
Make desktop web-cameras available to staff	Completed in 2010	99	% of staff have access to a desktop web-camera	Every staff is equipped with a laptop that include a web-camera. Every staff has access to an iChat account.		2005	No End Date (Continuous)
Behaviour change program							
Encourage staff to consider virtual attendance/presentation at events where possible	Ongoing/In Progress	75	% of the presentations are virtual, using elluminate, ichat, skype	training provided / virtual meetings have been organised	will continue this procedure	2011	No End Date (Continuous)
Education, Awareness, and Engagement							
Staff Professional Development							
Support green professional development (e.g., workshops, conferences, training)	Ongoing/In Progress			staff attended conference about saving energy	staff will receive more training	2011	No End Date (Continuous)
Staff awareness/education							
Provide education to staff about the conservation of water, energy, and raw materials	Ongoing/In Progress			staff attended conference about saving energy	staff will receive more training	2011	No End Date (Continuous)
Other Sustainability Actions							
Procurement (non-paper supplies)							
Implement sustainable purchasing program for cleaning products, disposable paper products and trash bags	In Development			N/A in the past	will promote a policy for our contractors, starting this year	2011	No End Date (Continuous)
Indoor air quality							
Enforce a scent-free policy (e.g., no strong perfumes, deodorants, etc.)	Ongoing/In Progress	15	% of our schools have this policy implemented	this policy was implemented in one school and the board office	will continue implementing this policy in other schools	2011	No End Date (Continuous)
Incorporate low volatile organic compounds (VOCs) standards into procurement policy for products such as paints, carpets, and furniture	In Development			N/A in the past	will promote a policy for our contractors	2011	No End Date (Continuous)
Commuting to and from home							
Encourage commuting by foot, bicycle, carpool or public transit	Ongoing/In Progress			Our staff was encouraged to commute green (by bicycle, carpool, public transit) to and from home	will continue the same procedure	2011	No End Date (Continuous)
Provide secure bicycle storage	Ongoing/In Progress			bike racks installed in some schools	will continue the same procedure	2011	No End Date (Continuous)