



School District #49 (Central Coast)

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School District No. 49 (Central Coast) 2012 Carbon Neutral Action Report

Executive Summary

School District No.49 (Central Coast) has been contributing to carbon neutrality for the past several years by investing in equipment replacement and upgrades, building renovation/upgrades, and working with employees and students to reduce energy consumption. We have worked collaboratively with other organizations in implementing conservation programs that will be environmentally and economically beneficial and sustainable for the entire community.

A key objective for School District No.49 (Central Coast) is educating employees and students to become socially responsible community leaders by promoting behavioural changes for environmental sustainability for today and into the future. By introducing environmental educational programs, we hope to enable learners to use critical thinking to solve problems, make informed decisions, and understand the potential consequences of decisions and to take actions to ensure the sustainability of the environment. These programs should allow students and employees to understand personal, local and global environmental issues, develop respect for self and all living species, and develop the skills necessary for leaning about and understanding the environment so they feel empowered to take personal actions, and continue learning throughout their lives.

2012 Greenhouse Gas Emissions

Scope 1 (Direct) Emissions

• Mobile Fuel Combustion (Fleet) =	80.00 tonnes CO ₂ e
• Stationary Fuel Combustion =	308.00 tonnes CO ₂ e
• Fugitive Emissions =	0.00 tonnes CO ₂ e

Scope 2 (Indirect) Emissions

• Purchased Energy, Estimated =	1.00 tonnes CO ₂ e
• Purchased Energy, Reported =	16.00 tonnes CO ₂ e

Scope 2 (Business Travel and Office Paper) Emissions

• Office Paper =	4.00 tonnes CO ₂ e
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Total 2012 Greenhouse Gas Emission	409.00 tonnes CO ₂ e
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It was estimated that stationary fugitive emissions from cooling do not comprise more than 0.01% of School District 49's total emissions and an ongoing effort to collect or estimate emissions from this source would be disproportionately onerous. For this reason, emissions from this source have been deemed out-of-scope and have not been included in School District 49's total greenhouse gas emissions profile.

Offset Applied to Become Carbon Neutral in 2012

• Total 2012 Greenhouse Gas Emissions =	409.00 tonnes CO2e
• Emission Which Do Not Require Offsets =	<52.00> tonnes CO2e
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Total Offset Purchased (refer to appendix A)	358.00 tonnes CO2e
• Adjustment to Offset purchased in 2011 =	<0.00>tonnes CO2e
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Total Offset Investment (before taxes)	\$10,740.00 cdn

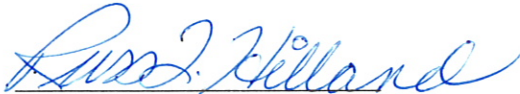
As required by section 5 of the Carbon Neutral Government Regulation, <52.0> tonnes CO2e of emissions resulting from the operation of school buses of were reported as part of our greenhouse gas emissions profile 2012. However, they were not offset as they are out-of-scope under section 4 (2)(c) of the Carbon Neutral Government Regulation.

Action Taken to Reduce Greenhouse Gas Emission Activities in 2012

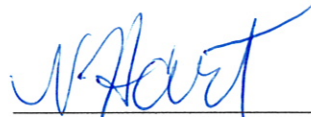
- Continued to installed auto-sleep features on all new computers purchased, multifunctional copiers, and printers
- Continued to replace aging computers and monitors with new energy star computers and monitors
- Continue to replace all light bulbs with CFL bulbs and evaluate replacing with LED lighting
- Continue encouraging staff to utilize the duplex features when printing and copying
- Continue with scanning of Accounts Payable invoice process into document management system
- Completed purchase of two passenger buses.
- Completed HVAC system at Bella Coola Elementary School

Plans to Continue Reducing Greenhouse Gas Emissions 2013 – 2014

- Develop a paper recycling program for the school, and possibly expand for the entire Bella Cool Valley
- Have submitted a capital request to replace 60+ year old secondary school that is energy inefficient and prone to flooding during spring run-off and fall rains, with a new energy efficient school that is built above grade
- Implement “Team Custodian” cleaning in an effort to reduce lighting and heating costs
- Continue expansion of web conferencing to reduce air travel expenses and paper supplies
- Continue expansion of web conferencing in the classroom to enhance classroom education
- Continue expansion of online or electronic text books to reduce the needs for paper text books, plastic audio and video products
- Continue computer and peripheral replacement program with Energy Star computers and peripherals
- Implement integrations for scanned payroll and human resources documents with payroll and human resource system
- Implement a work flow system to eliminate the physical movement of paper for accounts payable invoices
- Continue analysis to best utilize existing classroom spaces



Russ Hilland
Chairperson

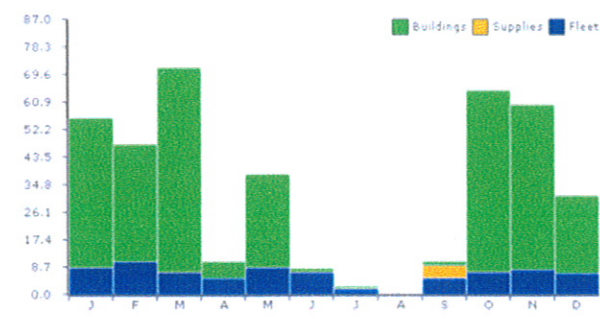


Norma Hart
Superintendent/Secretary Treasurer

Appendix A

Total Emissions Calendar Year 2012 School District 49 - Central Coast

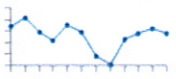
Metric tonnes
CO₂ equivalent (tCO₂e)



Click on the bars to view data for each month

Fleet

GHG Emissions
(Metric Tonnes CO₂e)



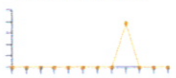
Buildings

GHG Emissions
(Metric Tonnes CO₂e)



Supplies

GHG Emissions
(Metric Tonnes CO₂e)



Totals Calendar Year 2012, School District 49 - Central Coast

	Measure	Quantity	Greenhouse Gases in Tonnes				
			CO ₂	BioCO ₂	CH ₄	N ₂ O	tCO ₂ e ¹
Scope 1 (Direct) Emissions							
Mobility Combustion (Fleet)	Litres	30,890.97	73.93	2.73	0.00	0.01	79.70
Stationary Combustion, Reported ¹	GigaJoules	4,375.40	294.81	11.92	0.00	0.01	308.46
Scope 2 (Indirect) Emissions							
Purchased Energy, Estimated ²	GigaJoules	71.94	0.50	0.00	0.00	0.00	0.50
Purchased Energy, Reported ³	GigaJoules	2,338.02	18.12	0.00	0.00	0.00	18.12
Scope 3 (Business Travel and Office Paper) Emissions							
Office Paper	Packages	892.00	4.51	0.00	0.00	0.00	4.51
Total Emissions, Calendar Year 2012			389.70	14.65	0.01	0.02	409
Carbon Neutral or Offset Exempt			36.41	14.65	0.00	0.00	52
Total for Offsets ⁴			353.29	0.00	0.01	0.01	358

1. Each greenhouse gas has been converted to a standard measurement (tCO₂e) by multiplying its emissions by its global warming potential (GWP). The GWP of carbon dioxide (CO₂) from both anthropogenic and biogenic sources is 1; methane (CH₄) is 21, and nitrous oxide (N₂O) is 310. The Totals for tCO₂e are shown here rounded to the nearest whole metric tonne as only whole tonnes of tCO₂e can be purchased for offsets.

2. Estimated data has been calculated based on the methods described in the Methodology Document.

3. Reported data refers to consumption which has been directly billed to the organization.

4. Report the tCO₂e value from the "Total for Offsets" line to the Pacific Carbon Trust.

Green Building Projects for 2012 CNAR

In 2007, the BC Government made a commitment that "all new provincial public buildings will be constructed to LEED [Leadership in Energy and Environmental Design] Gold or equivalent standards." The commitment **has become an important contribution to achieving GHG emissions reductions within BC's public sector and supporting the carbon neutral requirements of the *Greenhouse Gas Reduction Targets Act*** . A number of public sector buildings are now aiming for the highest level of LEED (Platinum) and some are additionally pursuing broader sustainability standards such as the International Living Future Institute's (ILFI) Living Building Challenge.

The Climate Action Secretariat is building a more complete inventory of green buildings across BC's public sector, constructed since the annual carbon neutral reporting requirement began (January 1, 2008). As such, **we are requiring that this section of the Carbon Neutral Action Report be completed annually** . The data entered here will not become part of your organization's public Carbon Neutral Action Report but may be referenced in overall analysis/public reporting of BC's public sector.

In the questions below, "green" is used denote any of these common terms used in the building field: high-performance, environmental, sustainable, energy-efficient. The terms "projects" relates to whole-building projects greater than 600 square meters addressing multiple sustainability benefits simultaneously (e.g., sustainable site development, water efficiency, energy-efficiency, materials selection, indoor environmental quality). Small-scale tenant improvements/renovations, refurbishments should not be included, nor should projects that were strictly targeting energy efficiency (e.g. lighting/HVAC upgrades).

The Climate Action Secretariat is building a more complete inventory of green buildings across BC's public sector, constructed since the annual carbon neutral reporting requirement began (January 1, 2008). As such, **we are requiring that this section of the Carbon Neutral Action Report be completed annually**. The data entered here will not become part of your organization's public Carbon Neutral Action Report but may be referenced in overall analysis/public reporting of BC's public sector.

Organizational Information (as of Dec. 31, 2012):			
How much space (square meters) is within your building portfolio?		7900	usable square meters
How many buildings are in your portfolio?		10	distinct buildings
What percentage of your building portfolio is leased (leased square meters over total portfolio square meters)?		0	percent leased
What percentage of your building portfolio is owned (owned square meters over total portfolio square meters)?		100	percent owned
For OWNED Buildings			
For projects that are COMPLETE, as of Dec. 31, 2012:			
A ->	0	new building/major renovation projects greater than 600 square metres were completed since Jan.1, 2008	
Of the projects in A,	0	projects were green - More detail required for these projects in the table below	
For projects that are in the CONSTRUCTION or DESIGN phase, as of Dec. 31, 2012:			
B ->	0	new building/major renovation projects greater than 600 square meters were in the construction or design phase	
Of the projects in B,	0	projects are green - More detail required for these projects in the table below	
For LEASED Buildings			
For spaces your organization OCCUPIED, as of Dec. 31, 2012:			
C ->	0	new leases were signed since Jan.1 , 2008	
Of the spaces in C,	0	are in green buildings - More detail required for these projects in the table below	
For UPCOMING, NEW LEASES			
Is your organization actively seeking space in green buildings?		No	
Enter the information below AFTER you have filled in the information above			

List of Green Projects - Owned (completed, under construction, or in design between Jan.1, 2008 and Dec. 31, 2012) or Leased (occupied as of Dec. 31, 2012)
LEED projects will have their project numbers cross-referenced with the "LEED Projects in Canada" database found at:
<http://www.cagbc.org/Content/NavigationMenu/Programs/LEED/ProjectProfilesandStats/default.htm>
so keep notes to a minimum for registered LEED projects. For non-LEED projects, please provide information requested in the notes column.

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School District 49 Central Coast - 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					
Provide fleet driver training to reduce fuel use	Completed (in Previous Year)				No End Date (Continuous)
Introduce anti-idling policy and/or raise anti-idling awareness for fleet drivers (e.g., signs, stickers, messages)	Completed (in Previous Year)				No End Date (Continuous)
Encourage carpooling in fleet vehicles	Ongoing/In Progress	Continue to encourage car pooling where possible. Have also encouraged air travel pooling to our outter schools.	On going	2008	No End Date (Continuous)
Promote alternatives to fleet vehicle travel where possible (e.g., bicycles, public transit, walking)	In Development	Given the large rural geographical area of School District 49, and distances between educational sites, some alternative transportation node is not feasible (e.g., bicycle, walking). There is also very limited public transportations available. The school district is continuing discussions to promote alternative transportation	To continue discussion with all stakeholders in the Bella Coola Valley	2008	No End Date (Continuous)
Vehicle fuel efficiency					
Replace vehicles with more fuel-efficient models	Ongoing/In Progress	No vehicles in the fleet was replaced in 2012.	The school district will continue to replace fleet vehicles with more fuel efficient vehicles as the budget will permit.	2008	No End Date (Continuous)
Replace larger vehicles with smaller models according to fleet "right-sizing" principles	Ongoing/In Progress	The school district replaced 2 buses in 2012 with more energy efficient buses.	The school district will continue to replace bus fleet vehicles with more fuel efficient vehicles as the Ministry Capital bus replacement budget will permit.	2008	No End Date (Continuous)
Perform regular fleet maintenance to improve fuel-efficiency	Ongoing/In Progress	The school district continues to perform regular scheduled maintenance and inspections of all our passenger busses, maintenance vehicles, and passenger vehicles.	Ongoing regular scheduled maintenance, and seeking new maintenance ideas that can be integrated with existing practices.	2008	No End Date (Continuous)
Stationary Fuel Combustion, Electricity					
Behaviour change program					
Help staff reduce personal energy use through ""workstation tune-ups""	Ongoing/In Progress	Plan is in place, but due to Teachers strike action, training and communications to all employees and students was minimal.	To complete training and communications to all employees and students during this time frame	2008	No End Date (Continuous)
Ask staff to unplug electrical equipment or switch off power bars when not in use	Ongoing/In Progress	Have made staff and students aware of unplugging and switching off power bars when not in use	To continue training and communications to all employees and students during this time frame, and to expand pratice to other equipments as deemed fit.	2008	No End Date (Continuous)
Ask staff to unplug electrical equipment or switch off power bars when not in use	Ongoing/In Progress	continue to have made staff and students aware of unplugging and switching off power bars when not in use	To continue training and communications to all employees and students during this time frame, and to expand pratice to other equipments as deemed fit.	2008	No End Date (Continuous)
Ask staff to close blinds at end of work day to reduce heating/cooling demands	Ongoing/In Progress	Continue to remind staff and students aware to close blinds at end of work day	To continue communications to all employees and students to close blinds at end of work day.	2008	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)
Provide reminders for turning off lights (e.g., signs, stickers, messages)	Completed (in Previous Year)				No End Date (Continuous)
Promote hot water conservation	Ongoing/In Progress	Continued with communications to staff and students aware of hot water conservation	On going.	2008	No End Date (Continuous)
IT power management					
Install power management software which shuts down computers outside of regular business hours	Ongoing/In Progress	Continue to review existing practices and determined what available technological options are available. Replaced two classrooms of aging computers, approximately 30 computers with more currently computers, and will activate power management software on these	On going	2008	No End Date (Continuous)

School District 49 Central Coast - 2012 Carbon Neutral Action Report

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Action	Status	Steps Taken	Steps Planned	Start Year	End Year
		new computers.			
Implement server virtualization	Ongoing/In Progress	On going, and will continue to virtualize all new servers installed into the district.	On going.	2008	No End Date (Continuous)
Apply auto-sleep settings on computer monitors and CPUs	Ongoing/In Progress	Have implemented auto-sleep feature for all new computers purchased in the organizaition. Have also encouraged employees and students to turn off computers when not in use and at end of working day.	Continue to ensure all new computers purchased and existing computers have the auto-sleep feature	2008	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	Continued replacement of stand alone peripheral with multi functional machines as budget permits.	To replace all stand alones periphials with multi function	2008	No End Date (Continuous)
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	Ongoing/In Progress	To contiue purchases of computers to be certified Energy Star	To continue replacement of computers with Energy Star certification	2008	No End Date (Continuous)
Other Stationary Fuel Combustion					
To have custodians clean their area in teams rather than individually.	In Development	Evaluated in 2012 for implementation in 2013. We have two custodians, each cleaning a school on their own. In theory, each of their schools will have lights and heat turned on for 8 hours (e.g. 3pm to 11pm) for a total of 16 hours for the two schools. The intention is to have the two custodians work as a "Team", where they would clean one school firstly, then the second school. While cleaning the first school lights and heat will be turned on, the second school lights and heat will be turned off. When the first school is cleaned the lights and heat will be turned off, and move to the second school and turn on the lights and heat. In theory each school should be cleaned in 4 hours, which means each school will only have lights and heat on for 4 hours for a total of 8 hours. This should result in a savings of light and heat for 8 hours for each day.	On going with plan.	2013	No End Date (Continuous)
Owned buildings					
Establish energy performance baseline for owned buildings	Ongoing/In Progress	Continue to completed entries into provinicila SMARTTool Carbon data gathering tool, and have completed entry of CO2e.	Continual use of SMARTTools to gather CO2e data. Will be contacting a energy specialst consultant to interpret data.	2009	No End Date (Continuous)
Register for performance labelling/certification for operations and maintenance of owned buildings (e.g., LEED EB:O&M)	Not Yet Evaluated				No End Date (Continuous)
Register for performance labelling/certification for commercial interiors of owned buildings (e.g., LEED CI)	Not Yet Evaluated				No End Date (Continuous)
Perform energy retrofits on existing, owned buildings	Ongoing/In Progress	Continually perform energy efficient retrofit as budget will permit.	To continue energy efficient retrofit of buildings as budget will permit. Will be contacting energy specialist to review all schools to determine what building retrofits can me made in the immediate future that is most efficient, per funding from the Ministry of Education "Carbon Neutral Capital Project" capital grant.	2008	No End Date (Continuous)
Incorporate a refrigerant management strategy into regular building management/maintenance to reduce fugitive emissions	Not Yet Evaluated				No End Date (Continuous)
Planning/management					
Reduce office space (square meters) per employee	Ongoing/In Progress	Continued review for best utilization of building space	To continually review best utilization of building space, will look at reducing classroom space that are not efficiently being used	2008	No End Date (Continuous)
Install a real time metering system (e.g. Pulse, Reliable Controls, Houle	Not Yet				No End Date

School District 49 Central Coast - 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
Controls)	Evaluated				(Continuous)
Retrofit details for owned buildings					
Upgrade mechanical systems (heating, cooling, ventilation) during retrofits	Ongoing/In Progress	Have completed HVAC upgrade at Bella Coola Elementary School.	Will be looking at upgrading Digital Climate Control at Nusatsum Elementary School in 2013, by utilizing 2012 Carbon Neutral Capital Project grant. Will also be contacting energy specialist to review all schools to determine what building retrofits can me made in the immediate future that is most efficient, per funding from the Ministry of Education "Carbon Neutral Capital Project" capital grant.	2009	No End Date (Continuous)
Upgrade lighting systems during retrofits	Ongoing/In Progress	On going to continue lighting system upgrade and retrofit as budget will permit.	Will be contacting energy specialist to review all schools to determine what building retrofits can me made in the immediate future that is most efficient, per funding from the Ministry of Education "Carbon Neutral Capital Project" capital grant.	2009	No End Date (Continuous)
Upgrade/adjust control systems during retrofits	In Development	On going, refer to 2013-2014 plans.	Will be upgrading Nusatsum Elementary School control system in 2013. Will be contacting energy specialist to review all schools to determine what building retrofits can me made in the immediate future that is most efficient, per funding from the Ministry of Education "Carbon Neutral Capital Project" capital grant.	2009	No End Date (Continuous)
Improve building insulation (including windows) during retrofits	Ongoing/In Progress	On going, as budget and staffing manpower will permit.	on going.	2009	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)	In Development	refer to 2013-2014 plans	Will be purchasing video conferencing in 2013.	2013	No End Date (Continuous)
Electronic media in place of paper					
Install collaborative software for electronic editing (e.g. SharePoint, Groove, etc.)	Not Yet Evaluated				No End Date (Continuous)
Use electronic document library for filing common documents	Ongoing/In Progress	Continue to implement document management system. Have continue the scanning Accts Payable invoices. Have completed integration of scanned Accts Payable invoices to being viewed directly from Finance System.	To complete train school secretary staff with viewing of Accts Payable invoices which will eliminate their duplicate copies of invoices. To implement work flow system for invoice/expense approval, scanning of Payroll Timesheets and HR documents.	2008	No End Date (Continuous)
Switch to an electronic payroll notification system in place of paper pay stubs	Completed (in Previous Year)				No End Date (Continuous)
Paper Type					
Purchase 30% post-consumer recycled paper	Ongoing/In Progress	Currently the school district is using 0% recycled paper. At this time the cost of 30% recycled paper is greater than 0% recycled due to shipping into Bella Coola Valley	Will continue discussion with suppliers to make cost of 30% recycled paper comparable with 0% recycled	2008	No End Date (Continuous)
Purchase 40% post-consumer recycled paper	Ongoing/In Progress	Currently the school district is using 0% recycled paper. At this time the cost of 40% recycled paper is greater than 0% recycled due to shipping into Bella Coola Valley	Will continue discussion with suppliers to make cost of 40% recycled paper comparable with 0% recycled	2008	No End Date (Continuous)
Purchase 100% post-consumer recycled paper	Ongoing/In Progress	The school district has reviewed the cost of post-consumer recycled paper. At this time recycled paper is greater than 0% recycled due to shipping into Bella Coola Valley	Will continue discussion with suppliers to make cost of post-consumed recycled paper comparable with 0% recycled	2008	No End Date (Continuous)

School District 49 Central Coast - 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
Printer/document settings					
Switch networked printers and photocopiers to automatic double-sided	Ongoing/In Progress	To continue to encourage staff to copy on double side. Continue replacement of printers with double sided trays, or replace printer completely or have not replaced printers but to utilize multi functional copiers which is also a less expensive cost per page printed than stand alone printers.	To replace printers with double sided duplex printers when needed, or not replace printer but to utilize multi-functional copier. Continue promoting double sided photo copying.	2008	No End Date (Continuous)

School District 49 Central Coast - 2012 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					
Action	Status	Steps Taken	Steps Planned	Start Year	End Year
Business Travel					
Behaviour change program					
Train staff in web-conferencing	Ongoing/In Progress	Continue to train staff on web conferencing software.	Will train staff on new video conferencing hardware and software once purchased and installed.	2011	No End Date (Continuous)
Encourage staff to consider virtual attendance/presentation at events where possible	Ongoing/In Progress	Continue to encourage staff with virtual attendance.	on going	2008	No End Date (Continuous)
Encourage carpooling to meetings	Ongoing/In Progress	Continue with encouragement for carpooling and airplane pooling to meetings where feasible.	On going	2008	No End Date (Continuous)
Encourage alternative travel to meetings (e.g., bicycles, public transit, walking)	In Development	Need to assess but may not be accomplished due to geographical challenges	Need to assess but may not be accomplished due to geographical challenges	2011	No End Date (Continuous)
Policy and budgeting					
Create a low-carbon travel policy or travel reduction goal	In Development	May not be feasible due to large geographical size of the school district and remoteness.	Refer to 2012	2012	No End Date (Continuous)
Virtual meeting technology					
Install web-conferencing software (e.g., Live Meeting, Elluminate, etc.)	Ongoing/In Progress	Have installed web conferencing software on user computers as applicable.	On going	2008	No End Date (Continuous)
Make desktop web-cameras available to staff	Ongoing/In Progress	Have equipped Board Office staff with web cams and headset to hold meetings, training sessions, and preliminary interviews.	On going	2011	No End Date (Continuous)
Install video-conferencing units in meeting rooms or provide mobile video-conferencing units	In Development	Refer to 2013-2014	Will evaluate available web conferencing hardware and software for all worksites.	2013	No End Date (Continuous)
Education, Awareness, and Engagement					
Awards/Recognition					
Establish a sustainability/green awards or recognition program	Not Yet Evaluated				No End Date (Continuous)
Staff Professional Development					
Support green professional development (e.g., workshops, conferences, training)	Not Yet Evaluated				No End Date (Continuous)
Include green options in employee performance measurement system	Not Yet Evaluated				No End Date (Continuous)
Staff awareness/education					
Provide education to staff about the science of climate change	Ongoing/In Progress	Promoted climate change materials for teachers to educate staff and students	Expand climate change educational training for staff and students.	2008	No End Date (Continuous)
Provide education to staff about the conservation of water, energy, and raw materials	Not Yet Evaluated				No End Date (Continuous)
Provide green tips on staff website or in newsletters	Not Yet Evaluated				No End Date (Continuous)
Provide sustainability education during new staff orientation	Not Yet Evaluated				No End Date (Continuous)
Team-building					
Create Green, Sustainability, Energy Conservation, or Climate Action Teams with executive endorsement	Not Yet Evaluated				No End Date (Continuous)
Provide resources and/or dedicated staff to support teams	Not Yet Evaluated				No End Date (Continuous)
Providing behaviour change education/training to teams (e.g.,	Not Yet				No End Date

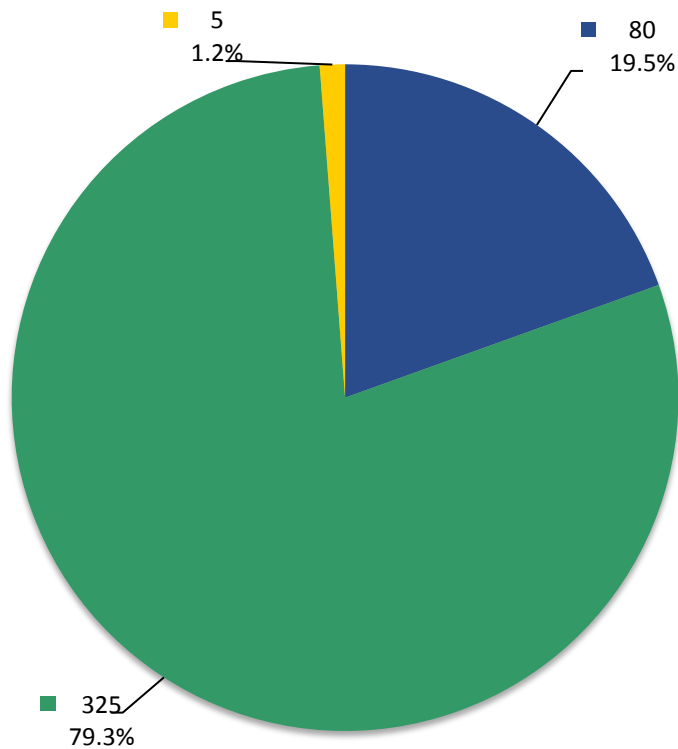
School District 49 Central Coast - 2012 Carbon Neutral Action Report

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					
Action	Status	Steps Taken	Steps Planned	Start Year	End Year
community-based social marketing)	Evaluated				(Continuous)
Other Sustainability Actions					
Adaptation to Climate Change					
Assessed whether extreme weather events and/or long term changes in climate will affect the organization's business areas	Not Yet Evaluated				No End Date (Continuous)
Integrated considerations of extreme weather events and/or long term changes in climate into the organization's decision making.	Not Yet Evaluated				No End Date (Continuous)
Building construction, renovation					
Establish a policy to reuse materials where possible and divert construction and demolition debris from landfills and incineration facilities	Not Yet Evaluated				No End Date (Continuous)
Incorporate lifecycle costing into new construction or renovations	Not Yet Evaluated				No End Date (Continuous)
Commuting to and from home					
Offer staff a compressed work week	Not Yet Evaluated				No End Date (Continuous)
Encourage commuting by foot, bicycle, carpool or public transit	Ongoing/In Progress	Challenges given limit public transit availability in Bella Coola Valley and large geographical challenges	On going	2008	No End Date (Continuous)
Provide shower or locker facilities for staff/students who commute by foot or by bicycle	Not Yet Evaluated				No End Date (Continuous)
Provide secure bicycle storage	Completed (in Previous Year)				No End Date (Continuous)
Other Sustainability Actions					
Background information pertaining to School Disrict 49 Central Coast	In Development	School District 49 is large geographically, but in terms of enrollment is among the smallest school districts in British Columbia. It is located on the central coast of British Columbia. We educate about 200 pupils in four schools, of which two schools are located in the Bella Coola Valley. One school is located in Shearwater, and another in Oweekeno which are both assessible by air 1.0 hour from Bella Coola. *note* there are challanges in the School Distict 49 with the attempt to implementing new environmental enhancements. The first; there is a lack of skilled individuals to install and maintain new environmental equipment (e.g. solar panel, hybrid vehicles...), the closet community which may have these skilled individual is in Williams Lake which is a 5 hours vehicle drive from Bella Coola. Two; In the Bella Coola Valley there is no natural gas service, schools are using heating deisel. Most homes are using heating deisel, and wood burning stoves.	Refer to 2012	2008	No End Date (Continuous)
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.)	Not Yet Evaluated				No End Date (Continuous)
Establish green standards for goods that are replaced infrequently and/or may require capital funds to purchase (e.g., office furniture, carpeting, etc.)	Not Yet Evaluated				No End Date (Continuous)

School District 49 Central Coast - 2012 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					
Action	Status	Steps Taken	Steps Planned	Start Year	End Year
Implement sustainable purchasing program for cleaning products, disposable paper products and trash bags	Not Yet Evaluated				No End Date (Continuous)
Waste reduction/diversion					
Put in place an operations policy to facilitate the reduction and diversion of building occupant waste from landfills or incineration facilities	Not Yet Evaluated				No End Date (Continuous)
Implement a hazardous waste reduction and disposal strategy	Not Yet Evaluated				No End Date (Continuous)
Water conservation					
Establish a water conservation strategy which includes a plan or policy for replacing water fixtures with efficient models	Not Yet Evaluated				No End Date (Continuous)
Put in place a potable water management strategy to reduce potable water demand of building-level uses such as cooling tower equipment, toilet fixtures, etc. and landscape features	Not Yet Evaluated				No End Date (Continuous)
Introduce a stormwater management landscape strategy (e.g., vegetated roofs, permeable paving, rain gardens, bioswales)	Not Yet Evaluated				No End Date (Continuous)

**School District 49 - Central Coast
Greenhouse Gas Emissions by Source
for the 2012 Calendar Year (tCO₂e*)**



Total Emissions: 409

- 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 28, 2013 3:57 PM)

Total offsets required: **358**. Total offset investment: **\$8,950**. Emissions which do not require offsets: **52** **

*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.