



School District #49 (Central Coast)

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School District No. 49 (Central Coast) 2011 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.

2011 Greenhouse Gas Emissions

• Mobile Fuel Combustion (Fleet and other mobile equipment) =	79.00 tonnes CO2e
• Stationary Fuel Combustion and Electricity (Building) =	305.00 tonnes CO2e
• Supplies (Paper) =	6.00 tonnes CO2e
• Fugitive Emissions =	0.00 tonnes CO2e

<u>Total 2011 Greenhouse Gas Emission</u>	<u>390.00 tonnes CO2e</u>
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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 2011

• Total 2011 Greenhouse Gas Emissions =	390.00 tonnes CO ₂ e
• Emission Which Do Not Require Offsets =	<30.00> tonnes CO ₂ e
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<u>Total Offset Purchased (refer to appendix A)</u>	<u>360.00 tonnes CO₂e</u>
• Adjustment to Offset purchased in 2010 =	<11.00>tonnes CO ₂ e
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<u>Total Offset Investment (before taxes)</u>	<u>\$9,475.00 cdn</u>

As required by section 5 of the Carbon Neutral Government Regulation, <30.0> tonnes CO₂e of emissions resulting from the operation of school buses of were reported as part of our greenhouse gas emissions profile 2011. However, they were not offset as they are out-of-scope under section 4 (2)(c) of the Carbon Neutral Government Regulation.

An adjustment in 2011 for <11.00> tomes CO₂e was made for 2010 Carbon Offset purchases. The revised 2010 Carbon Offset emission was 344.0 tonnes CO₂e, where the initial amount reported for 2010 was 355.0 tonnes CO₂e. This adjustment was due mainly to the initial total were based on estimates.

Action Taken to Reduce Greenhouse Gas Emission Activities in 2011

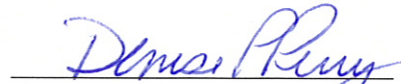
- Completed replacement of an aging secondary school gym with a new 600 square meter energy efficient gym
- Continued to installed auto-sleep features on all new computers purchased, multifunctional copiers, and printers
- Continued to replace aging computers and monitors with new energy star computers and monitors
- Continued focus on building enhancements by caulking of windows and replacing old exterior doors
- 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
- Evaluated plan to replace inefficient HVAC system at Bella Coola Elementary School
- Completed implementation scanning of Accounts Payable invoice process into document management system
- Completed integration of scanned Accounts Payable invoices with inquiry directly from financial system

Plans to Continue Reducing Greenhouse Gas Emissions 2012 – 2014

- Develop a paper recycling program for the school, and possibly expand for the entire Bella Cool Valley (*Note; currently there is no recycling program in the Bella Cool Valley due to the transportation cost to vendors*)
- Have submitted a capital request to replace two aging and with high mileage, passenger busses with new energy efficient passenger busses. These two buses will be replaced in 2012.
- 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
- Replace HVAC system at Bella Coola Elementary School
- 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 document management system to reduce storage space for scanning of payroll and human resource documents
- 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
- Expand building trades program to educate students with building energy efficient and seismically approved wood structures



Russ Hilland
Chairperson



Denise Perry
Superintendent/Secretary/Treasurer



April 25, 2012

Reporting Unit:

School District 49 - Central Coast

Calendar Year 2011

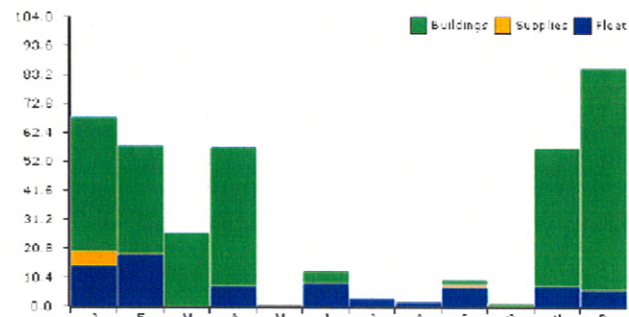
Show Report

Total Emissions

Calendar Year 2011

School District 49 - Central Coast

Metric tonnes
 CO₂e equivalent (tCO₂e)



Click on the bars to view data for each month

Totals Calendar Year 2011, School District 49 - Central Coast

			Greenhouse Gases in Tonnes				
	Measure	Quantity	CO ₂	BioCO ₂	CH ₄ N ₂ O	tCO ₂ e ¹	
Scope 1 (Direct) Emissions							
Mobile Combustion (Fleet)	Litres	30,321.08	73.35	2.72	0.00 0.01	79.01	
Stationary Combustion, Reported ³	GigaJoules	4,104.61	276.20	11.12	0.00 0.01	289.38	
Scope 2 (Indirect) Emissions							
Purchased Energy, Estimated ²	GigaJoules	70.21	0.48	0.00	0.00 0.00	0.48	
Purchased Energy, Reported ³	GigaJoules	2,188.92	15.10	0.00	0.00 0.00	15.10	
Scope 3 (Business Travel and Office Paper) Emissions							
Office Paper	Packages	870.00	6.17	0.00	0.00 0.00	6.17	
Total Emissions, Calendar Year 2011			371.30	13.84	0.01 0.02	390	
Carbon Neutral or Offset Exempt			15.65	13.84	0.00 0.00	30	
Total for Offsets ⁴			355.65	0.00	0.01 0.01	360	

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.

School District 49 Central Coast - 2011 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 <i>Greenhouse Gas Reduction Targets Act</i> .							
Action	Status (as of 12/31/11)	Performance to Date (as of 12/31/11)		Steps Taken in 2011	Steps Planned for 2012 -2014	Start Year	End Year
Mobile Fuel Combustion (Fleet and other mobile equipment)							
Vehicle fuel efficiency							
Replace vehicles with more fuel-efficient models	Ongoing/In Progress	30	% of vehicles are fuel- efficient models	No vehicles in the fleet was replaced in 2011	The School District has submitted Capital request to replace 2 aging and energy inefficient Passenger Busses (this is subject to Ministry approval for capital expenditure). We will evaluate replacing aging and inefficient maintenance and passenger vehicles as budget permits.	2008	No End Date (Continuous)
Perform regular fleet maintenance specifically to improve fuel-efficiency	Ongoing/In Progress	100	% of vehicles are subject to regular maintenance for fuel efficiency	We 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.	Started before 1995	No End Date (Continuous)
Behaviour change program							
Encourage carpooling in fleet vehicles	In Development			Have encouraged car pooling where possible	To continue encouragement of car pooling	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)
Stationary Fuel Combustion, Electricity and Fugitive Emissions (Buildings)							
Planning/management							
Enrol in a building energy benchmarking program (e.g., GREEN UP)	Ongoing/In Progress			Completed setup of Ministry SMARTTool Carbon data gathering tool, and have completed entry of CO2e from 2019 to 2011	Continual use of SMARTTool to gather CO2e data	2009	No End Date (Continuous)
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)
Owned buildings							
Establish energy performance baseline for owned buildings	Ongoing/In Progress			Completed setup of Ministry SMARTTool Carbon data gathering tool, and have completed entry of CO2e from 2009 to 2011	To evaluate and analyze data of past years with current years, and to take appropriate discussions	2009	No End Date (Continuous)
Perform energy retrofits on existing, owned buildings	Ongoing/In Progress			Have incorporate plans into new Secondary School Gym replacement completed in Spring 2011	Will incorporate into proposal for new Secondary School Replacement if capital project is approved by the Ministry of Education.	2008	No End Date (Continuous)
Retrofitting owned buildings							
Upgrade mechanical systems (heating, cooling, ventilation) during retrofits	In Development				Plans to upgrade HVAC at the elementary school in Bella Coola, with completion in the spring 2011. Will incorporate into proposal for new Secondary School Replacement if capital project is approved by the Ministry of Education	2009	No End Date (Continuous)
Upgrade lighting systems during retrofits	In Development				Will incorporate into proposal for new Secondary School Replacement if capital project is approved by the Ministry of Education	2009	No End Date (Continuous)
Upgrade/adjust control systems during retrofits	In Development				Will incorporate into proposal for new Secondary School Replacement if capital project is approved by the Ministry of Education	2009	No End Date (Continuous)
Improve building insulation (including windows) during retrofits	In Development				Will incorporate into proposal for new Secondary School Replacement if capital project is approved by the Ministry of Education	2009	No End Date (Continuous)
Install an on-site renewable energy demonstration project	In Development				Will incorporate into proposal for new Secondary School Replacement if capital project is approved by the Ministry of Education	2009	No End Date (Continuous)
IT power management							
Install power management software which shuts down computers outside of regular business hours	Ongoing/In Progress			Reviewed existing practices and determined what available technological options are available.	To replace two classrooms of aging computers with more currently computers, and will activate power management software on these new computers	2008	No End Date (Continuous)
Implement server virtualization	Ongoing/In Progress			Reviewed existing practices and have implemented	To continue practise with existing servers and new servers	2008	No End Date (Continuous)
Apply auto-sleep settings on computer monitors and CPUs	Ongoing/In Progress	75	% of computers have auto-sleep settings applied	Have implemented auto-sleep feature for all new computers purchased in the organization. Have also encouraged employees and students to turn off computers when not in use and at end of working day.	To ensure all new computers purchased and existing computers have the auto-sleep feature	2008	No End Date (Continuous)

School District 49 Central Coast - 2011 Carbon Neutral Action Report

Action	Status (as of 12/31/11)	Performance to Date (as of 12/31/11)		Steps Taken in 2011	Steps Planned for 2012 -2014	Start Year	End Year
Remove stand-alone printers, copiers, and/or fax machines and install multi-function devices	Ongoing/In Progress	75	% reduction in printers, copiers, and/or fax machines since start year indicated	Continued replacement of stand alone peripheral with multi functional machines as budget permits.	To replace all stand alones peripherals with multi function	2006	No End Date (Continuous)
Replace computers with ENERGY STAR models during regular computer upgrades	Ongoing/In Progress	50	% of computers are ENERGY STAR rated	All computers purchased in 2011 have been certified Energy Star	To continue replacement of computers with Energy Star certification	2008	No End Date (Continuous)
Appliances and electronic devices							
Replace refrigerators with ENERGY STAR models or source ENERGY STAR models for future purchases	Ongoing/In Progress			Ensure all purchases of refrigerators in 2011 were Energy Star	Will ensure all future purchases of refrigerators are Energy Star certified	2008	No End Date (Continuous)
Replace other appliances or electronic devices with ENERGY STAR models or source ENERGY STAR models for future purchases	Ongoing/In Progress			Ensure all purchases of other appliances in 2011 were Energy Star	Will ensure all future purchases of other appliances are Energy Star certified	2008	No End Date (Continuous)
Replace desk lamp incandescent bulbs with compact fluorescent (CFL) bulbs or source more efficient desk lamps for future purchases	Ongoing/In Progress			All light bulb replaced in 2011 were CFL bulbs	Evaluating replacement of light bulbs to LED	2008	No End Date (Continuous)
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 practice 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			Have made staff and students aware to close blinds at end of work day	To continue communications to all employees and students during this time frame.	2008	No End Date (Continuous)
Promote hot water conservation	Ongoing/In Progress			Have made staff and students aware of hot water conservation	To be complete training and communications to all employees and students during this time frame	2008	No End Date (Continuous)
Other Stationary Fuel Combustion, Electricity, and Fugitive Emissions Actions							
Move towards "Team Custodian" cleaning of buildings	In Development				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.	2011	No End Date (Continuous)
Supplies (Paper)							
Paper Type							
Purchase 30% post-consumer recycled paper	Ongoing/In Progress	0	% of total paper purchased contains 30% recycled content	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	0	% of total paper purchased contains 40% recycled content	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	0	% of total paper purchased contains 100% recycled content	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)
Printer/document settings							
Switch networked printers and photocopiers to automatic double-sided	Ongoing/In Progress	25	% of network printers or photocopiers are set to automatic double-sided	Have encouraged 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)
Electronic media in place of paper							
Use electronic document library for filing common documents	Ongoing/In Progress			Completed implementation of document management system. Have begun 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	2012

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Action	Status (as of 12/31/11)	Performance to Date (as of 12/31/11)		Steps Taken in 2011	Steps Planned for 2012 -2014	Start Year	End Year
Post materials online that were previously printed	Ongoing/In Progress			Have completed development of "Fillable PDF Forms" and have posted on school districts website.	To complete implementation of work flow system so document can be routed electronically. Post forms onto website.	2008	2012
Behaviour change program							
Encourage staff to hold paperless meetings or presentations (i.e., no handouts)	Ongoing/In Progress			Have completed setup WebEx conferencing for training of staff processes remotely. Have setup Smart Boards to hold Board Meetings and Educational tools in the classroom. Utilize computers for Board Meetings for Trustees which eliminates paper copies of agendas.	Ongoing	2008	No End Date (Continuous)
Other Paper Supplies Actions							
Switch to electronic fund transfer (EFT) of Accts Payable payments to vendors and electronic payment notification system in place of paper cheques and stubs	Ongoing/In Progress			Have moved all employee to EFT for Accts Payable payments. Have begun switching external vendors to EFT for Accts Payable payments.	Move towards setting up all external vendors with EFT of Accts Payables payments	2008	No End Date (Continuous)
Integration of Document Management system with Financial System	Ongoing/In Progress			Have completed integration of Accounts Payable invoices scanned in Laserfiche with Financial System. This will make information more readily available for users, and will eliminate the need for schools and the Board Office to having duplicate copies of invoices, a and will reduce storage space.	Will investigate the integration of Payroll and Human Resources documents stored in Laserfiche with the Payroll and HR system.	2012	No End Date (Continuous)
Electronic routing approval of Accounts Payable invoices	In Development				Will implement electronic routing and approval of Accounts Payable invoices.	2012	No End Date (Continuous)

School District 49 Central Coast - 2011 Carbon Neutral Action Report

Actions to Reduce Provincial Emissions and Improve Sustainability

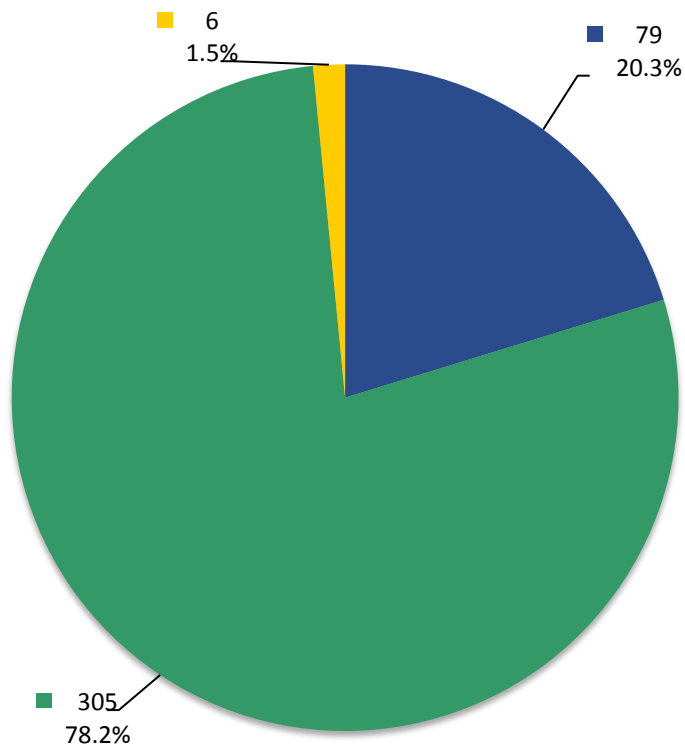
The actions listed below contribute to a reduction in greenhouse gas emissions from sources that fall outside of the reporting requirements defined in the carbon neutral government regulation of the *Greenhouse Gas Reduction Targets Act*. Public sector organizations can optionally use this section to 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 12/31/11)	Performance to Date (as of 12/31/11)		Steps Taken in 2011	Steps Planned for 2012 -2014	Start Year	End Year
Business Travel							
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.	2012	No End Date (Continuous)
Virtual meeting technology							
Install web-conferencing software (e.g., Live Meeting, Elluminate, etc.)	Ongoing/In Progress	75	% of computers have web-conferencing software installed	Have held several training sessions and meeting using web conferencing. Expanded meeting using Skype.	Awaiting network connectivity upgrades from the Ministry in order to expand classroom web conferencing for educational programs	2008	No End Date (Continuous)
Make desktop web-cameras available to staff	Ongoing/In Progress	25	% of staff have access to a desktop web-camera	Have equipped Board Office staff with web cams and headset to hold meetings, training sessions, and preliminary interviews.	Expand purchase of webcams and headsets for employees as required.	2011	No End Date (Continuous)
Install video-conferencing units in meeting rooms or provide mobile video-conferencing units	Ongoing/In Progress			Completed installation of Smart Boards into Board Meeting room and in various classrooms	Expand web conferencing for Board Meetings and classroom educational programs and utilizing Smart Boards. Awaiting network connectivity improvement before proceeding	2009	No End Date (Continuous)
Behaviour change program							
Train staff in web-conferencing	Ongoing/In Progress	80	% of staff are trained web-conferencing	Have trained most staff on using web conferencing and Smart Boards	Continue training employee on web conferencing and Smart Boards. Awaiting Ministry to upgrading internet connectivity, currently internet band width cannot support real time educational training at a large volume.	2009	No End Date (Continuous)
Encourage staff to consider virtual attendance/presentation at events where possible	Ongoing/In Progress			Continue with encouragement of virtual attendance.	Ongoing	2008	No End Date (Continuous)
Encourage carpooling to meetings	Ongoing/In Progress			Continue with encouragement for carpooling to meetings	Ongoing	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	2011	No End Date (Continuous)
Other Business Travel Actions							
Review the needs for in person meetings	Ongoing/In Progress			Have reviewed and assessed the needs for holding various meeting, looking at usefulness, value and time commitments. Look at utilizing technology for these meetings.	Ongoing	2010	No End Date (Continuous)
Utilize Document Management System	In Development			Utilize Document Management System to allow individuals to view documents remotely rather than having to drive to a location to view these documents in person. Perhaps expanding to external auditors so they can perform audit remotely and not have auditors travel to the school district.	Ongoing	2011	No End Date (Continuous)
Utilize Work Flow system	In Development				Utilize Work Flow System to allow individuals to electronically route documents instead of driving and delivering documents in person. Also to reduce the need to deliver documents to various locations.	2012	No End Date (Continuous)
Encourage students with virtual attendance for educational programs.	In Development				Continue with review of providing educational programs to students.	2012	No End Date (Continuous)
Education, Awareness, and Engagement							
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.	2007	No End Date (Continuous)
Client/public awareness/education							
Provide education to clients/public 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	2007	No End Date (Continuous)
Provide education to clients/public about the conservation of water, energy, and raw materials	In Development				Students are preparing environmentally friendly programs, recycling program, and conservation program to be implemented in the school district	2011	No End Date (Continuous)
Provide green tips on client/public website or in newsletters	In Development				To provide green tips and update stakeholders of green programs in school newsletters.	2011	No End Date (Continuous)

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Action	Status (as of 12/31/11)	Performance to Date (as of 12/31/11)		Steps Taken in 2011	Steps Planned for 2012 -2014	Start Year	End Year
Other Sustainability Actions							
Commuting to and from home							
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	Ongoing review	2008	No End Date (Continuous)
Other Sustainability Actions							
Other Background Information	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 assessable by air 1.0 hour from Bella Coola. *note* there are challenges in the School District 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 diesel. Most homes are using heating diesel, and wood burning stoves.	Information only	2009	No End Date (Continuous)

**School District 49 - Central Coast
Greenhouse Gas Emissions by Source
for the 2011 Calendar Year (tCO₂e*)**



Total Emissions: 390

- 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 2011 (Generated May 18, 2012 12:16 PM)

Total offsets required: **360**. Total offset investment: **\$9,000**. Emissions which do not require offsets: **30** **

*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.