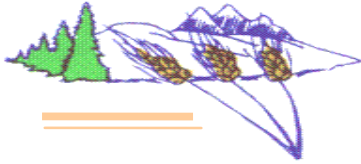


School District No. 59 (Peace River South) - 2011 Carbon Neutral Action Report



School District No. 59 **Peace River South**

Executive Summary

School District 59 is committed to accepting responsibility for our role in protecting the natural environment, reducing waste, and reducing energy consumption through new and innovative practices. New district policy detailing energy management has been implemented to define our conservation goals and responsibilities.

Two new staff positions are dedicated to identifying facility upgrades that would reduce energy consumption and to working with staff and students to establish a culture of conservation. Our district Energy Manager has audited all district buildings and we are following recommendations to implement energy efficient strategies. Many new facility upgrades have been implemented including energy efficient block heater plug-ins, lighting, school insulation, and heating systems.

As a district, we believe that it is critical to model sustainable operating practices. We have placed great emphasis on promoting environmental stewardship among staff and students. Behavioural change is a major step towards carbon neutrality and we seek to encourage responsible attitudes and to foster holistic approaches to climate change, energy utilization and waste reduction.

2011 Greenhouse Gas Emissions

School District No. 59's greenhouse Gas Emissions for 2011 is 3914 tonnes of CO₂e as reported in SMARTTool.

Offsets Applied to Become Carbon Neutral in 2011

The total emission offsets purchased to become carbon neutral for 2011 is 3108 tonnes of CO₂e, \$77,700.00 plus HST. Plus 39 tonnes from our 2010 total because the initial totals were based on estimate and the additional offsets were purchased to make up the increase in totals offset.

As required by section 5 of the Carbon Neutral Government Regulation, 806 tonnes of CO₂e emissions resulting from the operation of school buses were reported as part of our greenhouse gas emissions profile in 2011. However, they were not offset, as they are out-of-scope under section 4(2)(c) of the Carbon Neutral Government Regulation

Emission Reduction Activities

Actions Taken to Reduce Greenhouse Gas Emissions in 2010

2011 has been a year of major energy conservation undertakings. Two new staffing positions have been dedicated to reducing our district's carbon footprint. Our contracted Energy Manager has audited all of our district's buildings to identify areas where energy use can be reduced and to make recommendations for implementing new strategies to conserve.

Many of these recommendations have been implemented this year including new smart plugs for every block heater plug-in. These smart plugs save 40% of electricity used for staff and district vehicle block heaters. In addition, we have installed new energy efficient lighting in two schools (Rolla and Moberly elementary) with plans to expand throughout the entire district.

Upgrades to building heating and insulation include major improvements to Central Middle School (CMS) and Tumbler Ridge Senior Sec. New hydronic heating systems have been installed with DDC controls to provide greater efficiency. The controls monitor occupancy and CO₂ levels to ensure that heating is reduced when rooms are unoccupied and that cold-air intake is matched with fresh-air needs. New roofing upgrades (including insulation) have been completed for 30% of CMS. Building envelopes throughout the district have been upgraded with three schools having new insulated steel doors with proper seals installed.

A new position of District Energy Conservation Coordinator (DECC) has been appointed to work with staff and students throughout the district to establish and encourage a culture of conservation. The DECC has developed classroom workshops that provide information and hands-on activities to explore the importance of energy conservation and strategies to reduce our carbon footprint. Grant funds were received to purchase materials for these workshops. The DECC has been assisting schools and classes with Destination Conservation projects and has facilitated an energy-saving challenge between schools to encourage and monitor energy reductions.

Our district vehicle fleet has implemented new strategies to reduce fuel consumption. Two new fuel-efficient sign-out vehicles were purchased and have been used for staff to commute throughout the district. These vehicles have great fuel economy and staff are encouraged to use them to carpool. We are also working to phase out old equipment including a backhoe, dump truck and tractor. New, more efficient and multi-use equipment has been purchased. A new tractor is shared between sites and smaller dump trailers have replaced our old dump truck.

Plans to Continue Reducing Greenhouse Gas Emissions 2012 – 2014

With new staff positions focusing on energy conservation, we are continuing to identify opportunities to reduce our carbon footprint in all aspects of our business. We have many goals for future projects to undertake. Through comprehensive building audits, our Energy Manager has identified several areas where significant gains can be made towards carbon neutrality.

One major project in the planning stage is a new heating system for South Peace Secondary School (SPSS). SPSS is our district's largest school in terms of both enrollment and square footage. Engineers are currently designing a new heat plant with high efficiency boilers, DCC control, and supplemented by a ground-source heat pump system. The ground-source pump will also function to supplement air conditioning in warmer months. To complement this state-of-the-art heating and cooling system, an insulation upgrade is in the planning stages. All exterior walls will be clad with new insulated siding and steel insulated doors. Also, another 30% of Central Middle School roof will be replaced including an insulation upgrade.

Additional upcoming plans include:

- New energy efficient lighting in all buildings
- A centrally located virtual classroom to allow for video conferencing. The video conferencing will reduce the need for staff to commute for meetings.
- Increasing participation throughout the District for energy conservation, waste reduction, and carbon footprint reduction.

Secretary-Treasurer Gerry Slykhuis



ASSISTANT SECRETARY TREASURER

School District #59 Peace River South - 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 *Greenhouse Gas Reduction Targets Act*.

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	10	% of vehicles are fuel- efficient models	Purchased second more efficient vehicle and set up a booking calendar for management staff.	Evaluate maintenance fleet and down size where applicable.	2009	No End Date (Continuous)
Replace larger vehicles with smaller models according to fleet "right-sizing" principles	Ongoing/In Progress	10	% of vehicles down-sized since start year indicated	Replaced old dump truck with dump trailers, pulled by smaller more efficient vehicles.	Assessing needs for larger vehicles and down size or remove where possible. Example is to replace a large cube van with trailer.	2008	No End Date (Continuous)
Replace small maintenance vehicles with more fuel-efficient models	Ongoing/In Progress	20	% of small maintenance vehicles are fuel-efficient	Replaced 2 old Bobcats with new more efficient models.	Working on replacing older units with new more fuel efficient models and researching alternate fuels (natural gas).	2008	No End Date (Continuous)
Behaviour change program							
Provide fleet driver training to reduce fuel use	Ongoing/In Progress	50	% of current drivers are trained	Researching training available for bus and maintenance fleet.	Develop procedures and implement according to NRCAN (National Resources Canada) recommendations.	2008	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			During montly staff meetings we review our idling reduction procedures.	Incorporate idling reduction procedures with fleet driver training.	2009	No End Date (Continuous)
Encourage carpooling in fleet vehicles	Ongoing/In Progress			Coordinate work schedules to eliminate travel of multiple vehicles to the same site. For out of town projects with long travel times crews change from five 8 hour days to four 10 hour days. This eliminates one day of travel each week.	Continue with staff awareness and coordinating work schedules.	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			We have hired a contract Energy Managers with funding from BC Hydro and performed energy audits on all our buildings.	Using the reports to find effecientcies and improvements to achieve reductions in energy use.	2011	No End Date (Continuous)
Reduce office space (square meters) per employee	Ongoing/In Progress			No changes for 2011 Calendar Year	Audit of space in schools and continue to reduce where possible.	2008	No End Date (Continuous)
Install a real time metering system (e.g. Pulse, Reliable Controls, Houle Controls)	In Development			Management is working with Delta controls and our Energy Manager to find a system that will meet our needs.	Develope funding strategy and implement recommendations.	2011	No End Date (Continuous)
Owned buildings							
Establish energy performance baseline for owned buildings	Ongoing/In Progress	100	% of owned buildings have an established energy performance baseline	Contracted REDE ENERGY SOLUTIONS, LTD to do energy audits for all SD#59 buildings	Use audit information and Energy Manager to develop baselines.	2008	No End Date (Continuous)
Incorporate a refrigerant management strategy into regular building management/maintenance to reduce fugitive emissions	In Development				We are using electronic preventative maintenance schedule to identify benchmark.	2011	No End Date (Continuous)
Perform energy retrofits on existing, owned buildings	Ongoing/In Progress	70	% of owned buildings have undergone energy retrofits since start year indicated	Install temp / time regulated car plugs at all sites	Implement Energy Manager recommendations	2010	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
Retrofitting owned buildings							
Upgrade mechanical systems (heating, cooling, ventilation) during retrofits	Ongoing/In Progress	70	% of retrofits since start year indicated had heating, cooling, and ventilation systems upgrades	Upgrade one elementary school to Delta Controls DDC. Replace 10 furnaces with new high efficiency furnaces.	Contracted engineer to develop plan for a heating upgrade at our largest secondary school. The plan will include new boiler plant with ground source heat pump and DDC controls.	2008	No End Date (Continuous)
Upgrade lighting systems during retrofits	Ongoing/In Progress	70	% of retrofits since start year indicated had lighting systems upgrades	Upgraded two elementary schools to T8 25 watt lamps and program start ballasts.	Work with BC Hydro for funding and Implement Energy Manager recommendations	2005	No End Date (Continuous)
Upgrade/adjust control systems during retrofits	Ongoing/In Progress	100	% of retrofits since start year indicated had control system upgrades or adjustments	Install Delta controls DDC System in three elementary schools.	Little Prairie DDC upgrade, complete Crecent Park and Implement Energy Manager recommendations	2008	No End Date (Continuous)
Improve building insulation (including windows) during retrofits	Ongoing/In Progress	15	% of retrofits since start year indicated had insulation improvements	Replace Exterior doors at Parkland , Derveaux. Replace 30% of roof at Central Middle School and upgrade insulation.	Continue with Window / door replacement	2008	No End Date (Continuous)
Install an on-site renewable energy demonstration project	Ongoing/In Progress	15	% of retrofits since start year indicated had on-site renewable energy components	Pouce Coupe school , 5000 w solar array with web based monitoring, Rain water catchment system implemented at Pouce Coupe School	To be looked at by Energy Management Team	2010	No End Date (Continuous)
IT power management							
Install power management software which shuts down computers outside of regular business hours	In Development	75	% of computers shut down automatically outside of regular business hours	New software being Developed.	Workstations to have automatic shutdown software installed that will shutdown workstation after 20 minutes of inactivity.	2006	No End Date (Continuous)
Implement server virtualization	In Development			Procure Funding for Equipment and software	Implement server virtualization 1st virtual machine online March 2012	2004	No End Date (Continuous)
Apply auto-sleep settings on computer monitors and CPUs	Ongoing/In Progress	95	% of computers have auto-sleep settings applied	Settings incorporated into standard computer images	Continue with settings with new and repaired computers.	2008	No End Date (Continuous)
Remove stand-alone printers, copiers, and/or fax machines and install multi-function devices	Ongoing/In Progress	30	% reduction in printers, copiers, and/or fax machines since start year indicated	Link fax machines, printers and copiers to multiple users.	Continue to replace old printers with network printers and reduce the quantity.	2008	No End Date (Continuous)
Apply auto-sleep settings on printers, copiers, fax machines, and/or multi-function devices	Ongoing/In Progress	90	% of devices have auto-sleep settings applied	Auto-sleep is default setting for new purchases.	Set auto-sleep for machines with this option.	2007	No End Date (Continuous)
Replace computers with ENERGY STAR models during regular computer upgrades	Ongoing/In Progress	100	% of computers are ENERGY STAR rated	All new replacement units are energy star rated.	All new replacement units will be energy star rated.	2006	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	100	% of fridges are ENERGY STAR rated	all new replacement units are energy star rated.	Continue to use energy star rated fridges for replacements and remove unnecessary units.	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			all new replacement units are energy star related.	Continue to use energy star rated appliances, and reduce total number.	2008	No End Date (Continuous)

School District #59 Peace River South - 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
Replace desk lamp incandescent bulbs with compact fluorescent (CFL) bulbs or source more efficient desk lamps for future purchases	Ongoing/In Progress			Make CFL / LED Bulbs available as standard replacement.	Make CFL / LED Bulbs available as standard replacement.	2010	No End Date (Continuous)
Behaviour change program							
Help staff reduce personal energy use through "workstation tune-ups"	In Development	25	% of current staff have completed a workstation tune-up		One of the procedures will be working on with our Energy Manager and IT Manager.	2010	No End Date (Continuous)
Ask staff to unplug electrical equipment or switch off power bars when not in use	Ongoing/In Progress			Sustainable energy manager involving students and staff in school site education	Continue training students and staff.	2008	No End Date (Continuous)
Provide tips to staff on saving energy in the office while working outside of regular business hours	In Development				Establish procedure regarding after hours use.	2012	No End Date (Continuous)
Provide reminders for turning off lights (e.g., signs, stickers, messages)	Ongoing/In Progress			Installing labels to remind staff and students to turn off lights. Twelve schools are involved in Destination Conservation. Energy Champion appointed involving Staff and students	Continued support of Destination Conservation and involvement of Sustainable Energy Manager.	2006	No End Date (Continuous)
Promote hot water conservation	Ongoing/In Progress			Awareness to staff and students during school presentations.	Develop Sustainability Committee create awareness for staff and students.	2008	No End Date (Continuous)
Supplies (Paper)							
Paper Type							
Purchase 30% post-consumer recycled paper	Completed in 2011	100	% of total paper purchased contains 30% recycled content	All paper bought in 2011 was 30% recycled content		2010	No End Date (Continuous)
Printer/document settings							
Switch networked printers and photocopiers to automatic double-sided	Ongoing/In Progress	50	% of network printers or photocopiers are set to automatic double-sided	New printers and copiers are set to double sided.	Continue to reduce number of printers and update settings.	2006	No End Date (Continuous)
Reduce default margin size in standard document templates (e.g., letters, briefing notes, forms, etc.)	Ongoing/In Progress			Adjust settings where applicable to reduce paper use.	Continue to update settings.	2006	No End Date (Continuous)
Electronic media in place of paper							
Install collaborative software for electronic editing (e.g. SharePoint, Groove, etc.)	Ongoing/In Progress	70	% of staff workstations with software installed	New staff receive training when hired. Maintenance staff receive on site training for new electronic information systems.	Continue training for all staff.	2006	No End Date (Continuous)
Use electronic document library for filing common documents	Ongoing/In Progress			Move archived employee and student files to electronic storage	Continue to move equipment manuals, maintenance schedules, and building information to this new system.	2009	No End Date (Continuous)
Post materials online that were previously printed	Ongoing/In Progress	50		Employee information, District information, and Public notices all posted on district website.	Continue migrating systems to online access	2007	No End Date (Continuous)
Behaviour change program							
Train staff to use collaborative software for electronic editing (e.g. SharePoint, Groove, etc.)	Ongoing/In Progress	90	% of staff currently have received collaborative software training	Developed electronic time sheets for maintenance staff.	Install electronic time clocks for custodial staff and eliminate paper time sheets.	2008	No End Date (Continuous)

School District #59 Peace River South - 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
Encourage staff to hold paperless meetings or presentations (i.e., no handouts)	Ongoing/In Progress		Continue to have paperless meetings using projectors, electronic memos, etc. Started installation of smart boards in classrooms.	Continued awareness of paperless meetings and installation of equipment.	2006	No End Date (Continuous)
Encourage re-use of scrap paper	Ongoing/In Progress		Awareness to encourage use of scrap paper.	Continue to raise awareness for staff and students.	2006	No End Date (Continuous)

School District #59 Peace River South - 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	Ongoing/In Progress			Purchased second smaller more efficient vehicle for Management staff to use.	Work with energy team to develop plan for travel reduction.	2010	No End Date (Continuous)
Virtual meeting technology							
Install web-conferencing software (e.g., Live Meeting, Elluminate, etc.)	Ongoing/In Progress	40	% of computers have web-conferencing software installed	The district uses web conferencing in different departments when communicating with outside agencies. The use of web-conferencing is promoted throughout our organization.	Continue to promote live webcast viewing for meetings, and activities.	2010	No End Date (Continuous)
Make desktop web-cameras available to staff	Ongoing/In Progress	100	% of staff have access to a desktop web-camera	New desk top computers and many or the lap tops are purchased with built in cameras.	We will continue to provide staff with camera enable computers.	2009	No End Date (Continuous)
Install video-conferencing units in meeting rooms or provide mobile video-conferencing units	In Development				Complete Video Conferencing room at Resource Centre	2012	2013
Behaviour change program							
Train staff in web-conferencing	Ongoing/In Progress	20	% of staff are trained web-conferencing	Promote web-conferencing and train applicable staff	Staff using the web-conferencing have the required skill set and help others not familiar.	2010	No End Date (Continuous)
Train staff in video-conferencing or provide technical support for video-conferencing set-up	In Development				Provide Training as required	2012	No End Date (Continuous)
Encourage staff to consider virtual attendance/presentation at events where possible	In Development				Encouraging staff to participate will fall in line with our capacity to host video conferences at our Resource Centre. As more of our resources come on board with web and video conferencing capacity, regularly scheduled meetings will have a virtual viewing component giving staff the option to participate in the meeting from other sites.	2012	No End Date (Continuous)
Encourage carpooling to meetings	Ongoing/In Progress			Purchased a 2nd smaller more efficient vehicle for Management staff to use	Carpooling is always encouraged whenever there is an opportunity	2006	No End Date (Continuous)
Education, Awareness, and Engagement							
Team-building							
Create Green, Sustainability, Energy Conservation, or Climate Action Teams with executive endorsement	Ongoing/In Progress	40	% of schools have green teams that participate in Destination Conservation	Schools attended Destination Conservation meetings (3). These meetings had a focus on waste reduction. During the meetings, students created action plans to implement waste reduction strategies in their schools	More schools to participate in Destination Conservation or in individual initiatives with support from new district conservation staff.	2000	No End Date (Continuous)
Provide resources and/or dedicated staff to support teams	Ongoing/In Progress	100	% of schools have access to using District Energy Conservation Coordinator to assist and provide resources	New staff position of District Energy Conservation Coordinator was created to help schools by providing them with assistance and resources when undertaking environmental initiatives.	District Energy Conservation Coordinator to work with all schools to help implement new environmental programs	2000	No End Date (Continuous)

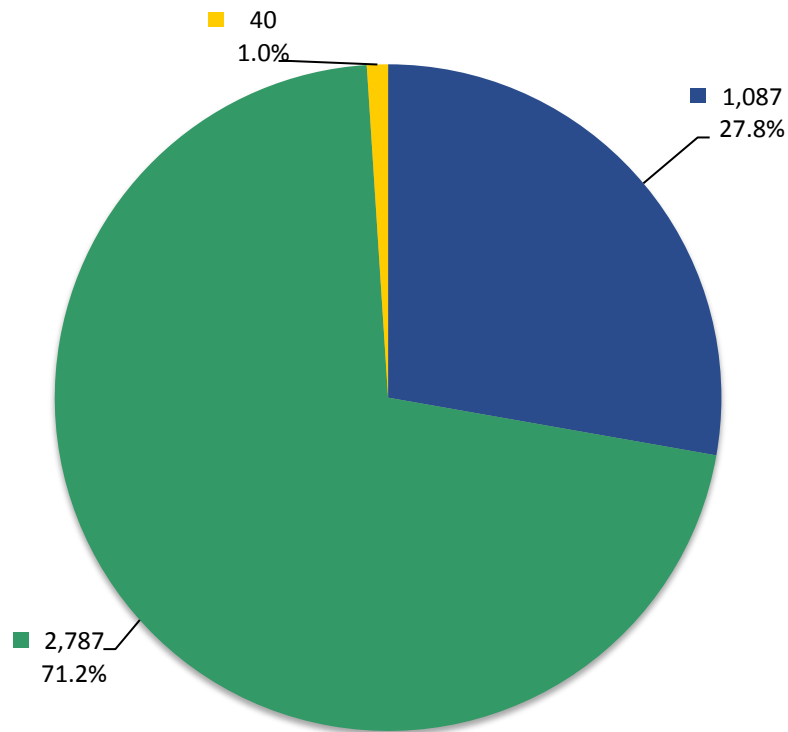
School District #59 Peace River South - 2011 Carbon Neutral Action Report

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
Providing behaviour change education/training to teams (e.g., community-based social marketing)	Ongoing/In Progress	40	% of students have participated in energy conservation workshop	Grant fund was secured to help purchase materials to create energy conservation workshops to be delivered to grade 4,5,6,7 students	Advertise program to increase the number of participating classes	2009	No End Date (Continuous)
Awards/Recognition							
Establish a sustainability/green awards or recognition program	Ongoing/In Progress			Students raised funds to help with purchasing alternate products (moution taps, light switched, etc.)	Continue to provide incentives for students to take on environmental initiatives. Establish a district-wide program of recognition for schools that take on significant environmental initiatives will be awarded	2009	No End Date (Continuous)
Staff Professional Development							
Support green professional development (e.g., workshops, conferences, training)	Ongoing/In Progress			Teaching staff participated in a NID workshop on bringing energy conservation into the classrooms.	Will continue to provide training and opportunities to particiapte in workshops that encourage energy conservation and provide teaching resources to engage students in enviornmental initatives. Will provide technical training to maintenance and facilities staff members to manage our energy systems more efficiently	2009	No End Date (Continuous)
Staff awareness/education							
Provide education to staff about the science of climate change	Ongoing/In Progress			Provided some in-service to staff at staff meetings, management training from Ministry of Education. Schools are engaged in learning activities with their student's at all different levels and across the curriculum in a number of schools.	Develop activities outlining the impact of negative environmental choices and the importance of behavior change for a more sustainable future.	2009	No End Date (Continuous)
Provide education to staff about the conservation of water, energy, and raw materials	Ongoing/In Progress			Teaching staff participated in a NID workshop on bringing energy conservation into the classrooms	Develop activities outlining the impact of negative environmental choices and the importance of behavior change for a more sustainable future.	2009	No End Date (Continuous)
Other Sustainability Actions							
Water conservation							
Establish a water conservation strategy which includes a plan or policy for replacing water fixtures with efficient models	Ongoing/In Progress			We use water efficient fixtures. In some schools, motion sensor activitated taps have been installed in washrooms. Rain barrels have been made available to all schools. In one school, rain water is collected in two large cisterns for toilet flushing.	Explore more opportunities for reclaiming water.	2006	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	Ongoing/In Progress			Rain barrels have been donated to the district and are available to schools to supplement irrigation water needs.	Encourage rain barrel use and investigate installation methods for large roofed schools.	2007	No End Date (Continuous)
Introduce a stormwater management landscape strategy (e.g., vegetated roofs, permeable paving, rain gardens, bioswales)	In Development				Identify sites where storm water will be used for irrigation	2008	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	Ongoing/In Progress			Composters were made available to all schools. A pilot project has begun in 4 elementary schools to expand current recycling programs	Use information gathered from recycling pilot to expand to all schools in the district	2004	No End Date (Continuous)
Implement a hazardous waste reduction and disposal strategy	Ongoing/In Progress			All hazardous waste items are taken to local recycling depot for proper disposal.	Continue with hazardous waste procedure	2006	No End Date (Continuous)
Procurement (non-paper supplies)							

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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
Incorporate minimum recycled content standards into procurement policy for consumable, non-paper supplies (e.g., writing instruments, binders, toner cartridges, etc.)	Ongoing/In Progress		We purchase 100% biodegreable garbage bags and 100% recycled paper towel and toilet paper.	Continue to expand use of recycled products	2008	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.)	Ongoing/In Progress		Continue to replace beyond life vinyl flooring with ceramic tile reducing the amount of cleaning chemicals needed and eliminating the use of floor wax.	Installing marmoleum flooring where not practical to use ceramic tile.	2008	No End Date (Continuous)
Implement sustainable purchasing program for cleaning products, disposable paper products and trash bags	Ongoing/In Progress		Working with custodial department and suppliers to seek out and purchase green cleaning products to use in our buildings.	Continue to evaluate products available.	2008	No End Date (Continuous)
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		We have reconditioned over 500 desks instead of replacing, reducing the amount of waste. Waste construction materials are sorted and recycled.	Improve the recycling procedure with proper bins and procedure for moving to recycling facility.	2009	No End Date (Continuous)
Indoor air quality						
Incorporate low volatile organic compounds (VOCs) standards into procurement policy for products such as paints, carpets, and furniture	Ongoing/In Progress		Maintenance uses only latex low VOC paint for interior and exterior of schools. We also use these products for most of our exterior metal structures.	Install low VOC flooring for any replacement / renovation projects	2008	No End Date (Continuous)
Commuting to and from home						
Offer staff a compressed work week	Ongoing/In Progress		Our maintenance staff have the opportunity to work four ten hour days during summer break and for out of town projects.	Look for other opportunities to compress the work week.	2005	No End Date (Continuous)
Encourage commuting by foot, bicycle, carpool or public transit	Ongoing/In Progress		continue with and expand health and wellness program and offer rewards to staff who participate.	Investigate other ways to encourage staff.	2005	No End Date (Continuous)
Provide shower or locker facilities for staff/students who commute by foot or by bicycle	Ongoing/In Progress		Maintenance and custodial staff have lockers available to them.	Investigate installing shower facilites at locations with none.	2006	No End Date (Continuous)

**School District 59 - Peace River South (Dawson Creek)
Greenhouse Gas Emissions by Source
for the 2011 Calendar Year (tCO₂e*)**



Total Emissions: 3,914

- 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 12:21 PM)

Total offsets required: **3,108**. Total offset investment: **\$77,700**. Emissions which do not require offsets: **806** **

*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.