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MEIA News

Air Quality Session

January 27, 2009

7:30 – Registration and Breakfast

8:00 – 9:00 Presentation

Speaker: Dave Bezak, Manitoba Conservation

Watch the MEIA website for more information.

Remediation and Prevention

Thursday, February 19, 2009

8:00 am to 4:00 pm

Hilton Suites Winnipeg Airport

1800 Wellington Avenue

- Keynote address by [Dr. Terry Hazen](#), Senior Staff Scientist & Ecology Department Head at the University of California at Berkeley
- Ecological Economics to be discussed by Michael Barkusky from the Canadian Society of Ecological Economics ([CANSEE](#))
- Throughout the day, concurrent sessions will explore topics such as:
 - volatile organic compounds, thermal desorption analysis
 - The Manitoba Conservation Remediation program
 - contaminate migration in permafrost
 - mine tailing remediation
 - bioremediation: expectations, rules and reality

Registration Fee:

Early Bird (before Jan. 19, 2009):

Members - \$250 Non Members - \$400

After Jan. 19, 2009

Members - \$300 Non Members - \$450

Register [here](#)

Emergency First Aid w/CPR Level A

NEW COURSE DATE: February 4, 2009*

** Workplace Safety and Health regulations state that an employer must ensure that a minimum number of first aiders are present during working hours at a workplace. To view regulations and minimum standards, click [here](#)

Source: <http://www.gov.mb.ca/labour/safety/pdf/regparts/part5.pdf>

Room 229 - 200 Main Street (Sport Manitoba Building)

8:30 am to 4:30 pm

(EFA-A - CPR: Adult - 1+2 rescuers) - (Industry standard course)

Source: <http://www.gov.mb.ca/labour/safety/pdf/regparts/part5.pdf>

Best practice - Expires after 1 year. Good for 3 years

Register [here](#)

Annual General Meeting

Thursday, April 16, 2008

Victoria Inn
1808 Wellington Avenue
Winnipeg, MB

Registration: 7:30 a.m.

Breakfast: 8:00 a.m.

AGM (including hot breakfast): \$40 MEIA Members/\$50 Prospective

No charge for members attending AGM only

Contact MEIA at 783-7090 for further details or register [here](#)

General News

Local Interest

Manitoba's Inland Port Open for Business: Doer

First Board of Directors Announced for CentrePort Canada

December 22, 2008

Manitoba's new inland port has taken a major step forward with the announcement of the first-ever board of directors for CentrePort Canada Inc., Premier Gary Doer said today.

"I am pleased to see such strong leadership on the first board of directors of CentrePort Canada. This group has the experience, skills and qualifications - as well as the support of government and the business community - to make our inland port a success. I want to thank the new board for accepting the job," Doer said.

CentrePort Canada is a private-sector focused corporation that will operate and market Manitoba's inland port as well as attract and co-ordinate business investment.

Created in October by provincial legislation, CentrePort Canada's inaugural board members are Kerry Hawkins (chair), Art Mauro (vice-chair), Maureen Prendiville, David Fung, Chris Lorenc, Gord Peters, Joan Hardy, Don Streuber, Bob Silver, Tom Payne, Barry Rempel, Robert Ziegler, Eugene Kostyra and Ryan Craig.

"Today's announcement means CentrePort Canada is officially open for business," Hawkins said. "This is an exciting partnership that will create jobs, attract new companies and reach new markets. We are looking forward to the task of building our inland port and building our province for the future."

The following organizations had the opportunity to nominate one person to the board: Winnipeg Chamber of Commerce, Manitoba Chambers of Commerce, Manitoba Trucking Association, Business Council of Manitoba, Winnipeg Airports Authority, Manitoba Federation of Labour, City of Winnipeg, Rural Municipality of Rosser, Destination Winnipeg, Government of Manitoba and Government of Canada.

The board will have up to 15 members with expertise in such areas as rail, air and truck transportation, international business, labour, infrastructure and construction, law and financial management, and marketing.

Source: www.gov.mb.ca

Scientists Attack Nitrogen Plan

December 21, 2008

More than 60 internationally recognized aquatic scientists are stepping up the pressure on the Manitoba government to rethink its plan for saving Lake Winnipeg.

The province has ordered a massive upgrade of Winnipeg's waste water treatment system in order to limit the amount of nitrogen and phosphorus dumped into the lake.

The goal is to control the amount of harmful blue-green algae -- fed by the two nutrients -- which blooms across much of the lake during the summer.

But the city's waste water upgrade will cost about \$1.8 billion and the province has also demanded Winnipeg spend up to \$50 million on a treatment process meant to remove extra nitrogen from waste water.

But the scientists said in a letter this week that removing nitrogen from the sewage Winnipeg sends to the lake was misguided policy.

"Why waste all that money spending it on something that's not going to make a pittance of difference?" said Hedy Kling, a Winnipeg-based algae specialist, who signed the letter.

Studies have shown the bacteria that form the algae that has become Lake Winnipeg's scourge can draw as much nitrogen from the air in about three weeks as city waste water adds to Lake Winnipeg in an entire year.

Scientists from the United States and Israel, as well as Canada, said in the letter the province's response to the problem of blue-green algae in the lake has involved making only "minor reductions" in the nutrients responsible.

Their letter to the provincial Clean Environment Commission, the arm's-length agency that advises the government, underlined concerns that the province remained off the mark almost nine years after its Lake Winnipeg strategy was announced.

"We disagree with the government's plans to improve the health of Lake Winnipeg by making minor reductions in inputs of both phosphorus and nitrogen, rather than making much larger reductions in phosphorus alone," the scientists said.

By themselves, phosphorus reductions have restored the health of lakes worldwide, their letter went on to say.

Scientists who attached their names to the letter did so without identifying their places of work.

The letter originated at an October conference at the University of Winnipeg, organized by the Lake Winnipeg Foundation, a group working to maintain the health of the lake's watershed.

"It was raised at the time that somebody should write a letter," said Michael Stainton, a Winnipeg nutrient chemist who signed the letter.

The letter represents the latest salvo from the scientific community challenging the province's Lake Winnipeg strategy.

Almost since its inception, the strategy to lower levels of phosphorus and nitrogen in the lake has borne criticism from scientists who advocate controlling phosphorus alone would be effective in eliminating the algae blooms.

Phosphorus and nitrogen enter the lake through effluent from waste water treatment plants and fertilizer runoff.

The letter recommends the government focus not only on controlling phosphorus levels in sewage from Manitoba communities but from lands throughout the Red River basin.

The scientists even suggested the government's goal of returning Lake Winnipeg to a "pristine" state was folly.

"Lake Winnipeg is no longer a natural lake," the letter said. "Lake Winnipeg is now a hydroelectric reservoir with a commercial fishery surrounded by a large watershed that has been intensively developed for agriculture, livestock production, mining, forestry and urban centres... The notion of managing nutrients with the goal of restoring Lake Winnipeg to a 'natural' state is imprudent."

Such efforts by scientists to influence government might be succeeding.

Earlier this year, the province acknowledged it would take another look at its policy of removing nitrogen from Lake Winnipeg-bound waste water.

"We said we were open to further scientific debate on the removal of nitrogen and this remains true today," a government spokesman said Saturday.

The opposition Conservation critic joined the chorus of voices criticizing the government's Lake Winnipeg plan.

"We need a sign that the NDP government is taking the health and protecting of Lake Winnipeg seriously," said Tory MP Heather Stefanson. "It's time for the NDP to do what's right and listen to science."

Source: www.winnipegfreepress.com

Rondeau Recognizes Manitoba's Performance in Science and Technology Education

December 22, 2008

The Manitoba Network for Science and Technology (MindSet) has been recognized at the 2008 International Partnership Conference Global Best Awards for its submission Developing Skills for the Future Workforce, Science, Technology, Energy and Mines Minister Jim Rondeau said today in recognizing the network's accomplishments.

"I would like to congratulate MindSet on the award they received from the International Partnership Network in Helsinki," said Rondeau. "MindSet plays a critical role in creating appreciation for technology and related careers among our young people which is invaluable to Manitoba as it attracts a greater share of new science and technology-based businesses."

MindSet, a program of Manitoba, Science, Technology, Energy and Mines, supports the development, co-ordination and implementation of science and technology awareness activities in areas important to the provincial economy. These areas include information technology, biotechnology, aerospace, advanced manufacturing, composites and new materials and digital media.

"It is programs like Mindset that foster the development of innovative and productive citizens who have the skills, attitudes and behaviours needed to succeed," said Douglas Watt, associate director, organizational effectiveness and learning at The Conference Board of Canada. "Mindset is a great example of a program with a clear vision and focus."

MindSet has received a national award and three provincial awards for its work in skilled workforce development.

A number of students and educators participating in MindSet programs have won awards. Most recently, Victor Le, a first year science student at the University of Manitoba and formerly of Vincent Massey Collegiate in Winnipeg, won the Gowlings National Biotechnology Story of the Year Essay Contest.

BIOTECCanada, the national industry-funded association representing a broad spectrum of biotechnology organizations, recently selected Bob Adamson, a teacher at Fort Richmond Collegiate, as one of Canada's top biotechnology teachers. Adamson won the BIOTECCanada - Biogen Idec Teaching Excellence Award which is dedicated to promoting and recognizing teaching of biotechnology at the secondary school level.

Source: www.gov.mb.ca

Winners Announced of Excellence in Sustainability Awards, Sustainable Development Scholarships

Sustainable Actions Recognized Across the Province: Struthers

December 19, 2008

The recipients of the 2008 Manitoba Excellence in Sustainability Awards and Sustainable Development Scholarships were announced today by Conservation Minister Stan Struthers, chair of the Manitoba Round Table for Sustainable Development.

“Manitobans are making daily contributions towards a more sustainable and prosperous economy and a green and healthy community,” said Struthers. “Sustainability is a provincial priority and the people and organizations honoured through the Manitoba Excellence in Sustainability Awards show how to embrace and practice sustainability. We are pleased to recognize the achievements of our fellow Manitobans.”

The 2008 Manitoba Excellence in Sustainability Award Winners include:

- Amanda Tetrault – Individual Award;
- Enviro Safe Cleaning – Business Award;
- Centre for Sustainable Transportation – Institution or Organization Award;
- Youth Community Partnership – Community Group Award;
- Vincent Massey Sustainable Development Committee – Youth Award;
- Granny’s Poultry – Action on Climate Change, Air Quality and Energy Efficiency Award;
- Keystone Agricultural Producers and Delta Waterfowl – Sustainability in Water Stewardship and Natural Area Protection Award;
- Town of Leaf Rapids – Sustainability in Pollution Prevention and Product Stewardship Award;
- Village of Dunnottar – Education for Sustainability Award;
- Scott Nicol – Research and Innovation for Sustainability Award; and
- Winnipeg Humane Society in association with Number TEN Architectural Group – Outstanding Achievement in Sustainability Category

The Manitoba Round Table for Sustainable Development established the Manitoba Excellence in Sustainability Awards to honour people, projects and ideas that successfully turn the province’s principles and guidelines of sustainable development into concrete and lasting achievements.

Recipients of the 2008 Sustainable Development Scholarships have also been announced.

“We are pleased to support the research and community-driven work of this year’s sustainable development scholarship recipients, Alexis Knispel and Emily Wiebe,” said Struthers. “Their commitment to sustainability through their actions and ideas deserves support and recognition.”

Knispel, a University of Manitoba doctoral student in geography, is examining the impacts of genetically modified crops on the spread of herbicide tolerant traits in escaped canola populations and the impacts on rural livelihoods in Manitoba. Wiebe, an undergraduate student at the Canadian Mennonite University, is actively engaged in local and community development and raising awareness of sustainable living practices.

Submissions for the 2009 Sustainable Development Scholarships are now being accepted. The deadline for submissions is May 1. Application guidelines and forms are available at www.gov.mb.ca/conservation/susresmb/scholarship/index.html.

The Manitoba Round Table for Sustainable Development is an advisory board that provides advice and support to the provincial government about responsible resource management, land use and environment, social and economic development.

Source: www.gov.mb.ca

Manitoba Extends Its Program to Encourage Oil Exploration

December 12, 2008

The provincial government is showing its commitment to Manitoba’s oil and gas industry by extending the Manitoba Drilling Incentive Program for another five years to January 2014, Science, Technology, Energy and Mines Minister Jim Rondeau announced today.

The program offers incentives to encourage investment in the exploration for and development of Manitoba’s petroleum resources.

“We believe extending the incentive program will make it more attractive to the oil industry when considering investing in Manitoba’s oil and gas resources,” said Rondeau. “The package offers important incentives for exploration and development drilling, horizontal wells and enhanced oil recovery projects, and companies have indicated they are pleased to hear it is continuing.”

“The continuation of this program allows the Manitoba oil patch to be competitive with Saskatchewan and the other producing provinces,” said Brad Thiessen, Manitoba committee chair, the Small Explorers and Producers Association of Canada. “Hopefully the program will sustain the high levels of activity that Manitoba has seen in the last number of years.”

During the past five years, the oil industry has spent \$1.5 billion while drilling over 1,000 new wells in the province and providing employment for more than 1,500 Manitobans. As well, oil production in the province has doubled since 2004 to more than 22,000 barrels a day.

“The drilling incentive program, together with advantages of low drilling density and low drilling and production costs, make Manitoba an attractive place to pursue oil and gas investment opportunities,” said Rondeau. “We believe extending our program will lead to more drilling activity and therefore new discoveries.”

Additional information regarding the Manitoba Drilling Incentive Program can be obtained from the Petroleum Branch at 204-945-6577 or at www.gov.mb.ca/itt/petroleum.

Source: www.gov.mb.ca

Geothermal Program in Full Effect Jan.1

Program Designed to Reduce Greenhouse Gas Emissions, Helps Consumers Control Energy Costs: Rondeau

December 10, 2008

Manitobans can begin taking full advantage of a provincewide geothermal program to reduce greenhouse gases and deal with volatile energy costs starting Jan. 1, Science, Technology, Energy and Mines Minister Jim Rondeau announced today.

"Geothermal is a proven technology that will help Manitobans cope with the volatility of energy prices while helping us reach our Kyoto target," Rondeau said.

The program is designed to expand on an industry that has already seen 6,000 Manitobans convert to geothermal heating and cooling systems. It contains the following components:

- . For geothermal installations in new homes, Manitobans can receive

up to \$3,000 in incentives including a refundable Green Energy Equipment Tax Credit worth about \$2,000 and a \$1,000 grant for homes in natural gas serviced areas of the province.

- . For conversions in existing homes, Manitobans can also receive a refundable Green Energy Tax Credit worth about \$2,100. When included with existing federal grants, existing homeowners can receive up to \$5,600 in incentives.

- . Commercial building owners are eligible to receive up to 10 per cent of the value of their installed systems.

- . Building owners who install district geothermal service systems are eligible to up to \$150,000.

- . Under the Climate Change and Emissions Reductions Act, geothermal loops serving single-family residences will also be exempt from property tax assessment ensuring users of this technology are treated the same as those who use other heating and cooling sources.

The Climate Change and Emissions Reductions Act was passed earlier this year and is supported by Beyond Kyoto which includes 60 actions such as clean-energy expansion including energy-efficiency initiatives and the further development of hydro, wind and geothermal technologies.

The Manitoba Geothermal Energy Alliance will work with Manitobans in assessing geothermal options for their specific needs, providing accredited installers and accessing various provincial, federal and Manitoba Hydro incentives. For more information, visit www.gov.mb.ca/stem/energy/initiatives/geothermal.html.

Source: www.gov.mb.ca

National Interest

Scientific Criteria Document for Canadian Water Quality Guidelines for the Protection of Aquatic Life - Carbaryl

A draft scientific criteria document for Canadian Water Quality Guidelines for the Protection of Aquatic Life - Carbaryl is available for public review and comment until February 6, 2009. The scientific criteria document includes English and French summaries. Please see the following link for details:

http://www.ccme.ca/ourwork/water.html?category_id=101

Canada's Environment Minister Delivers National Statement at United Nations Climate Change Conference

POZNAN: December 11, 2008

The Honourable Jim Prentice, Minister of the Environment, today delivered Canada's national statement to delegates at the United Nations Climate Change Conference.

The 14th meeting of the Conference of the Parties (COP14) marks the one-year countdown to an agreed deadline for international consensus on a new global climate change agreement.

"Canada believes that a shared vision for long term cooperation that places us on the path to a low carbon future is required. That shared vision must ensure continued economic growth and sustainable development while reducing global greenhouse gas emissions by at least 50% by 2050," said Minister Prentice. "Achieving that balance will require cooperative action in many areas over the long-term, including strengthening adaptation, and increasing global supplies of secure, affordable and clean energy."

Minister Prentice stressed that urgent global action on climate change and the economy is required by all major emitters to achieve dramatic increases in energy efficiency, to significantly expand the use of low-carbon and renewable fuels, and to encourage the rapid development and deployment of clean energy technologies.

Minister Prentice also highlighted Canada's \$100 million commitment to help developing countries address the challenges caused by climate change. Working with our provincial and territorial governments, Canada is committed to developing and implementing a North America-wide cap-and-trade system for greenhouse gases.

"Canada is committed to reducing its total greenhouse gas emissions by 20% by 2020, while ensuring that our actions, going forward, are comparable with those of other developed countries," said Minister Prentice. "We will achieve this goal by implementing ambitious domestic action."

At home, Canada has set a goal of meeting 90% of our electricity needs from non-emitting sources such as hydro, nuclear, clean coal or wind power by 2020. We are also working closely with provincial governments by investing heavily in clean technologies, including next generation biofuels and the large-scale commercial demonstration of carbon capture and storage. "The responsibility to protect our climate is ours alone," said Minister Prentice. "Guided by our shared vision of a low carbon future, and by working together, I am confident that we can place our planet on a new path of sustainability and economic progress."

Source: www.ec.gc.ca

Canada Signs Agreement For The Safe Management Of Harmful Chemicals In North America

Ottawa: December 9, 2008

Canada's Environment Minister Jim Prentice, and his counterparts Stephen Johnson, Administrator of the United States Environmental Protection Agency, and Environment Minister Juan Rafael Elvira Quesada of Mexico, have signed a joint Statement of Intent affirming their commitment to developing a regional framework for the safe management of harmful chemicals.

"Our government has committed to protecting the health and environment of Canadians", said Minister Prentice. "This agreement is a cost-effective way for all countries involved to assess harmful chemicals as quickly as possible by reviewing existing research and taking action on those chemicals that need to be regulated."

The agreement builds on Canada's world-leading Chemicals Management Plan by ensuring that Mexico, Canada, and the United States have access to consistent information that can be used to strengthen chemical management in North America. Canada is agreeing to share its analysis of over 23,000 chemicals in use today and in turn, will gain access to critical research and expertise that is being gathered in the United States and Mexico to take action on harmful chemicals.

This announcement builds on existing cooperative initiatives between the United States, Mexico and Canada towards increased capacity building and improved chemicals management in North America. "By sharing scientific information and approaches to chemical testing and risk management, countries have been able to make significant progress on initiatives like the United States' Chemical Assessment and Management Program" explained Minister Prentice.

The Ministerial Statement of Intent on North American Chemicals Cooperation consolidates and clarifies the nature of these activities, and reaffirms that the three countries remain strongly committed to the sound management of chemicals in North America.

Related document

[Statement Of Intent On North American Chemicals Cooperation](#) [Backgrounder 2008-12-09]

Source: www.ec.gc.ca

Aboriginal Consultation Need Not Be Completed Before Regulatory Approval Granted

December 15, 2008

Electricity transmitters developing new transmission lines in Canada face considerable uncertainty over the duty to consult with Aboriginal communities. One of the outstanding issues is whether such consultations must be completed before transmitters can obtain regulatory approval for their projects. A recent decision from the Ontario Energy Board (OEB) indicates that the entire consultation process need not be completed before any regulatory approvals are granted, provided that the regulator is satisfied that a workable process is in place to address the concerns of Aboriginal communities.

The issue arose when an Ontario transmitter applied to the OEB for leave to construct for a 500 kV transmission line from Bruce to Milton. A number of interveners argued that leave could not be granted until the duty to consult had been satisfied. In its September 15, 2008 decision, the OEB rejected these arguments and granted leave, making some significant findings in an area that, as it noted, is devoid of "definitive guidance from the courts".

Notably, the OEB accepted some responsibility for assessing the adequacy of the Crown's consultation, but limited that responsibility to consultation on matters within its jurisdiction. Consequently, the OEB ruled that leave could be granted if adequate consultation had been undertaken on matters within its jurisdiction, even if consultation for the entire project was not yet completed.

In support of its position, the OEB stated that there is "only one Crown" and that "confusion and uncertainty and the potential for duplication and inconsistency" would result if each Crown actor involved in an approval for a project undertook consultation for the entire project. The OEB also expressed concern that waiting for the completion of consultation for the entire project could lead to a circular situation in which each Crown actor is unable to render a final finding on consultation while it awaits the completion of other processes.

Based on the evidence provided, the OEB concluded that granting leave for the project would not adversely affect any Aboriginal or treaty rights. While Aboriginal consultation for the project was "clearly not complete", the panel identified the issues raised by Aboriginal interveners as related to the environmental assessment process, which was beyond OEB's jurisdiction and under the control of another Crown actor, the Minister of the Environment. In addition, the OEB stated that a review of consultation for the project as a whole was unnecessary in this specific case as, for reasons unrelated to Aboriginal consultation, the leave to construct order was conditional on the successful completion of the environmental assessment process.

The OEB's approach to this issue is similar to that taken by the British Columbia Utilities Commission (BCUC) in several recent decisions where the BCUC held that a review of the duty to consult for a transmission project can be deferred to the environmental assessment process. One of the BCUC's decisions is currently under appeal to the British Columbia Court of Appeal (see *Kwikwetlem First Nation v. British Columbia Utilities Commission*, 2008 BCCA 208). The outcome of that appeal may be to fill the void of definitive judicial guidance on this issue to which the OEB referred in its decision.

By [Patrick G. Duffy](#), Stikeman Elliott LLP

The content of this article is intended to provide a general guide to the subject matter. Specialist advice should be sought about your specific circumstances. Specific Questions relating to this article should be addressed directly to the author.

Source: Mondaq .

Source: www.globe-net.com

Accounting for Climate Change

December 22, 2008

The Chartered Accountants of Canada are offering guidance to help companies better disclose the business impacts of climate change to investors.

The Canadian Institute of Chartered Accountants (CICA) has published a new document in response to a growing demand for guidance relating to Management Discussion and Analysis (MD&A) disclosures. The publication, [Building a Better MD&A - Climate Change Disclosures](#) (PDF), helps companies provide useful and relevant information to investors.

"There must be transparency and credibility with climate change matters," said Dave Pollard, Vice-President, Knowledge Development, with the CICA. "In developing the new publication, we obtained input from institutional investors along with MD&A preparers and others about the types of disclosures that would be most appropriate. The document would be of great benefit for any company struggling with the financial reporting aspects of climate change."

The publication is in part an update to a discussion paper issued by the CICA in 2005.

The MD&A is a filing required by securities regulators that accompanies quarterly and annual financial statements. A well-presented MD&A provides the context investors need to better understand the company's performance and prospects as well as its financial statements.

There are two aspects of climate change for companies to address. First is adaptation or what action is being taken to respond to the anticipated effects of climate change on company operations, such as extreme weather conditions. Second is mitigation or what is being done to reduce the company's own greenhouse gas emissions that contribute to climate change.

"Climate change issues will impact some industries and companies more than others," said Julie Desjardins, the publication's co-author. "However, sooner or later climate change will affect, either directly or indirectly, the business operations and financial performance of many Canadian operations both large and small."

Desjardins added: "Investors are seeking disclosures of relevant information that would influence their investment decisions. MD&A disclosures should allow investors to understand how management views the current and potential impacts of climate change and related regulations on the company."

The publication, developed by the CICA's Canadian Performance Reporting Board, can be found in the climate change section of the Institute's website (www.cica.ca/climate). The Board focuses on guidance about the measurement and reporting of organizational performance outside of financial statements.

Source: Canadian Institute of Chartered Accountants

Source: www.globe-net.com

Climate Change Now a Key Business Issue

December 28, 2008

Four in five Canadian companies (84 percent) responding to the 2008 Carbon Disclosure Project (CDP) questionnaire said they are integrating climate change into their risk management strategies.

These findings - published in an Executive Action Briefing published by the Conference Board of Canada show that climate change is rapidly becoming a major strategic and operational issue for companies and institutional investors.

The Carbon Disclosure Project represents the largest registry of qualitative and quantitative climate change information from corporations in the world. The CDP represents an efficient process whereby a large number of institutional investors, with a combined asset base of US\$57 trillion, collectively sign a single global request for disclosure of information on climate risk.

In 2008, the CDP sent a voluntary request to 3,000 of the largest publicly traded companies in the world by market capitalization (including the 200 largest companies traded on the Toronto Stock Exchange) on behalf of 385 global investors (including 40 Canadian investors). More than half-55 per cent-of the 200 Canadian companies surveyed responded, compared with 45 per cent the previous year.

"Companies feel the effects of climate change in many ways. Business operations may be directly impacted, and supply chains and product delivery may be vulnerable. Climate change can also present a range of regulatory, reputational, competitive, and litigation risks for companies," said Len Coad, Director, Environment, Energy and Technology at The Conference Board of Canada, which is the Canadian partner for administering the CDP survey and preparing the Canada 200 report.

"When assessing companies for their portfolios, investors are shifting their focus to public company disclosure of climate change related risks, opportunities, and strategies, he added."

The Executive Action Briefing, Carbon Disclosure Project-Canada 200: Summary for Investors, is available at <http://www.e-library.ca/>. This briefing was supported by the British High Commission.

Source: www.globe-net.com

Cleaning Up Clean Coal

December 28, 2008

Perhaps the only point that advocates for and against 'clean coal' might agree on is the fact that we have lots of coal remaining and its continued use likely will be a significant part of our fossil fuel future.

Whether it should be the fuel of choice is another matter. The coal industry - acutely aware of growing public concern over greenhouse gas emissions and other health-related issues associated with continued use of coal - has launched major public relations campaigns to pitch 'clean coal' as an environmentally friendly fuel.

Promoting 'clean coal technology' was a major plank in both platforms in the 2008 U.S. presidential campaign and President-elect Obama is on record as supporting investing in "clean coal" technology.

However, former U.S. Vice President Al Gore who staunchly maintains that 'clean coal' simply does not exist, has launched his own media counter-attack disputing industry claims that it does.

Oddly enough, both sides may be right.

No matter how you cut it, burning carbon-rich fossil fuels is anything but pollution free. But the mechanics of cleaning up the use of coal encompasses a variety of technologies and processes - some of which are well established and proven, such as washing coal or capturing emissions (mainly CO₂).

But storing CO₂ emissions is another story. The most effective technology for storing CO₂ - carbon sequestration - is still 10-15 years from being built on any significant commercial scale, at least in North America. (See [GLOBE-Net article North America's Largest Carbon Sequestration Project Set to Go](#))

Clean coal supporters readily acknowledge that carbon sequestering technology is not market-ready. Joe Lucas, senior vice president for the American Coalition for Clean Coal Energy, a group of 48 coal companies and power plants that have spent heavily on the "clean coal" marketing campaign, is quoted in a [Washington Times article](#) as saying "There are all kinds of options we're pursuing."

"The industry is stepping up to help with carbon reduction, that includes educating the public about why investing in new technologies is very important," Mr. Lucas said by way of explaining why so much is being spent on the advertising campaign.

Critics counter this by pointing to the relatively low level of private investment that is going into research and development for technologies that would clean up the fossil fuel industry relative to the profits that are being made annually by companies in the sector.

This point was driven home forcefully this week with the release of a major report ([The Clean Coal Smoke Screen](#)) by The Center for American Progress (CAP), a liberal think tank with deep ties to the incoming Obama administration.

It noted the rate of investment for carbon capture and storage (CCS) must increase dramatically if it is to play any significant role in greenhouse gas emission reductions from coal-fired power plants.

The Centre cites recent studies by the [International Energy Agency](#) that found current CCS spending and activity levels are nowhere near enough" to reduce

emissions by 20 percent by 2020. Instead, the IEA advised that "up to USD 20 billion is needed for near-term demonstrations."

(The Schwarze Pumpe coal power plant in eastern Germany is the world's first coal-fired power plant to capture and store its own carbon dioxide emissions, a pilot project that began running in September 2008. See GLOBE-Net article [World's First Carbon Capture Pilot Fires Up Clean-Coal Advocates.](#))

[Credit Suisse](#) says that CCS research "needs a further \$15 billion of investment and 10 more years of research and development to be ready for commercial use." These levels are significantly more than the combined research effort of the ACCCE companies and Department of Energy.

The one clear message that one might take from the war of words about 'clean coal' is that much more effort is required to actually clean up the use of coal as a primary fossil fuel.

Industry observers suspect the coal energy sector is looking forward to massive increases in public funding for basic research and demonstration projects. The expectation is not without some justification, as up front investments for commercial scale carbon sequestration facilities are massive, and few utilities - the primary users of coal - are capable of investments of that scale.

As noted by Frank Maisano, spokesman for the Electric Reliability Coordinating Council, a coalition of utilities and transportation companies, also quoted in the Washington Times article "the reality that coal is a major part of keeping the lights on in this country."

That simple truth is likely going to be a major consideration of the Obama administration once it takes office.

Source: www.globe-net.com

Toronto Joins Rush to Regulate "Toxic" Chemicals

December 30, 2008

On December 3, 2008, the City of Toronto became the first municipal jurisdiction within Canada to require businesses to disclose their release and use of chemicals. The disclosure requirement, also known as a community right to know by-law, goes into effect on January 1, 2010.

The by-law is akin to the federal National Pollutant Release Inventory, which required 8,500 businesses in 2007 to report on the emission of chemical substances in the course of business operations. However, only 3% of businesses located in Toronto are captured by the federal legislation, as the focus of that law is on large businesses releasing large amounts of chemicals.

The City of Toronto by-law will affect businesses of all sizes, and will impose mandatory disclosure requirements on upwards of 5,000 to 7,000 businesses, not only for the emission, but also for the use of any of the 25 priority substances listed in the by-law. Similar disclosure requirements exist in many other jurisdictions outside of Canada, including several U.S. cities such as New York.

At present, the Toronto priority substances list is made up of those chemicals that are considered the most harmful substances frequently used by businesses, such as cadmium, formaldehyde, trichloroethylene, and vinyl chloride. The by-law establishes reporting thresholds for the use of a priority substance. Where a threshold is met, businesses are required to submit an annual report by the end of June in each year to Toronto's Medical Officer of Health, covering both the quantities of each substance released and the quantities of each substance used throughout the previous calendar year.

The priority substance reporting thresholds are on the scale of a mere 100 kg per year and, in some cases, are even less. The by-law does not impose restrictions on the release of substances, instead purporting to encourage voluntary reduction through negative publicity.

According to the Toronto Board of Health, the by-law will be implemented over four years by applying the disclosure requirements to different business sectors in three phases. Phase One businesses will be required to collect chemical use and release data starting in 2010, with the first report being submitted to the City of Toronto in 2011. Phase One businesses are:

- food and beverage manufacturing;
- printing and publishing;
- chemical manufacturing;
- wood industries;
- power generation; and
- waste water treatment facilities.

Phase Two businesses must begin collecting data in 2011 and make their first report in June of 2012. Phase Two businesses are:

- chemical wholesale;
- waste management and remediation services;
- medical and diagnostic laboratories;
- dry cleaning and laundry services;
- automotive repair and maintenance; and
- funeral services.

Lastly, Phase Three businesses begin collecting data in 2012 and submit their first report in 2013. Phase Three includes all remaining businesses that fall under the umbrella of the by-law. Thus all businesses subject to the disclosure requirements must report on their use and release of priority substances by 2013. General exemptions from the disclosure requirements apply to a handful of business sectors that may use one or more of the priority substances, such as facilities engaged solely in retail sales.

The information disclosed by businesses will be made available to the public via a searchable Internet database maintained by the City of Toronto, which will also include map-based displays of chemical use and emissions. Privacy legislation may allow for withholding some information from dissemination to the public, but businesses should be aware that the by-law obliges businesses to identify confidential, proprietary, or other information that is legally exempt from disclosure.

Regardless of any privacy exemption, businesses must still prepare and submit a report where the reporting threshold of a priority substance is met.

Non-compliance with the disclosure requirements is a punishable offence subject to a range of possible penalties that are capped at a maximum of C\$100,000 for the third or subsequent offences. The by-law also opens businesses to potential inspections by the City of Toronto for the purpose of determining compliance.

The City of Toronto initiative comes closely on the heels of the Province of Ontario's announcement in late August 2008 that it is considering a "Toxic Reduction Strategy" that will also include new requirements for businesses to disclose and reduce their use of chemicals. Much like the City of Toronto by-law, Ontario plans to impose reporting requirements on facilities using "toxic substances" and to publicly disclose that information through the Internet.

Additionally, Ontario is proposing legislation that requires facilities to formulate "[toxic reduction plans](#)", which may also be disclosed to the public.

Toronto businesses should now be wary of the multiple jurisdictional layers of disclosure requirements attached to the use and release of chemicals. The myriad disclosure requirements will form a complicated and overlapping system that businesses will need to navigate. Unfortunately, compliance will not be a straightforward task given that the disclosure requirements from one jurisdiction to the next will vary with respect to the chemicals at issue and the thresholds for reporting.

The move by the City of Toronto may encourage other Canadian municipalities to follow suit in creating their own community right to know by-laws. For all businesses, particularly those that have facilities in multiple Ontario municipal jurisdictions, the disclosure requirements for the use and release of chemical substances are likely to

become more onerous over time as more municipalities and provinces join the bandwagon to impose chemical disclosure requirements on Canadian businesses.

By Robert Fishlock and Kimberley Broome, Blake, Cassels & Graydon LLP.

Originally published in Blakes Bulletin on Environmental Law, December 2008

Source: BLAKES .

Source: www.globe-net.com

International Interest

International Energy Agency Policies and Measures Databases

IEA Databases of Policies and Measures

Since 1999, the International Energy Agency (IEA) has worked with governments to collect information on policies and measures in the field of energy-related climate change mitigation, energy efficiency and renewable energy.

These three electronic databases are available free of charge at http://www.iea.org/textbase/pm/index_effi.asp for energy efficiency, http://www.iea.org/textbase/pm/index_clim.html for climate change, and <http://www.iea.org/textbase/pm/grindex.aspx> for renewable energy.

Among the most popular IEA websites, these databases are arguably the most comprehensive collection of national-level policies and measures in IEA member countries. It also contains some information on several non-member countries, such as Brazil, China, India, Mexico, Russia and South Africa.

With the assistance of government representatives from member countries, the IEA has recently updated these databases. Reflecting the increasing amount of activity in this policy area, nearly 200 new entries were created since the databases were last updated in June and July 2008, and many other, older policy records were amended.

For queries or comments, contact sara.moarif@iea.org.

No Furnaces but Heat Aplenty in 'Passive Houses'

ARMSTADT, Germany: December 29, 2008

From the outside, there is nothing unusual about the stylish new gray and orange row houses in the Kranichstein District, with wreaths on the doors and Christmas lights twinkling through a freezing drizzle. But these houses are part of a revolution in building design: There are no drafts, no cold tile floors, no snuggling under blankets until the furnace kicks in. There is, in fact, no furnace.

In Berthold Kaufmann's home, there is, to be fair, one radiator for emergency backup in the living room - but it is not in use. Even on the coldest nights in central Germany, Mr. Kaufmann's new "passive house" and others of this design get all the heat and hot water they need from the amount of energy that would be needed to run a hair dryer.

"You don't think about temperature - the house just adjusts," said Mr. Kaufmann, watching his 2-year-old daughter, dressed in a T-shirt, tuck into her sausage in the spacious living room, whose glass doors open to a patio. His new home uses about one-twentieth the heating energy of his parents' home of roughly the same size, he said.

Architects in many countries, in attempts to meet new energy efficiency standards like the Leadership in Environmental and Energy Design standard in the United States, are designing homes with better insulation and high-efficiency appliances, as well as tapping into alternative sources of power, like solar panels and wind turbines.

The concept of the passive house, pioneered in this city of 140,000 outside Frankfurt, approaches the challenge from a different angle. Using ultrathick insulation and complex doors and windows, the architect engineers a home encased in an airtight shell, so that barely any heat escapes and barely any cold seeps in.

That means a passive house can be warmed not only by the sun, but also by the heat from appliances and even from occupants' bodies.

And in Germany, passive houses cost only about 5 to 7 percent more to build than conventional houses.

Decades ago, attempts at creating sealed solar-heated homes failed, because of stagnant air and mold. But new passive houses use an ingenious central ventilation system. The warm air going out passes side by side with clean, cold air coming in, exchanging heat with 90 percent efficiency.

"The myth before was that to be warm you had to have heating. Our goal is to create a warm house without energy demand," said Wolfgang Hasper, an engineer at the [Passivhaus Institut](#) in Darmstadt. "This is not about wearing thick pullovers, turning

the thermostat down and putting up with drafts. It's about being comfortable with less energy input, and we do this by recycling heating."

There are now an estimated 15,000 passive houses around the world, the vast majority built in the past few years in German-speaking countries or Scandinavia.

The first passive home was built here in 1991 by Wolfgang Feist, a local physicist, but diffusion of the idea was slowed by language. The courses and literature were mostly in German, and even now the components are mass-produced only in this part of the world. The industry is thriving in Germany, however - for example, schools in Frankfurt are built with the technique.

Moreover, its popularity is spreading. The [European Commission](#) is promoting passive-house building, and the [European Parliament](#) has proposed that new buildings meet passive-house standards by 2011. The United States Army, long a presence in this part of Germany, is considering passive-house barracks. "Awareness is skyrocketing; it's hard for us to keep up with requests," Mr. Hasper said.

[Nabih Tahan](#), a California architect who worked in Austria for 11 years, is completing one of the first passive houses in the United States for his family in Berkeley. He heads a group of 70 Bay Area architects and engineers working to encourage wider acceptance of the standards. "This is a recipe for energy that makes sense to people," Mr. Tahan said. "Why not reuse this heat you get for free?"

Ironically, however, when California inspectors were examining the Berkeley home to determine whether it met "green" building codes (it did), he could not get credit for the heat exchanger, a device that is still uncommon in the United States. "When you think about passive-house standards, you start looking at buildings in a different way," he said.

Buildings that are certified hermetically sealed may sound suffocating. (To meet the standard, a building must pass a "blow test" showing that it loses minimal air under pressure.) In fact, passive houses have plenty of windows - though far more face south than north - and all can be opened.

Inside, a passive home does have a slightly different gestalt from conventional houses, just as an electric car drives differently from its gas-using cousin. There is a kind of spaceship-like uniformity of air and temperature. The air from outside all goes through HEPA filters before entering the rooms. The cement floor of the basement isn't cold. The walls and the air are basically the same temperature.

Look closer and there are technical differences: When the windows are swung open, you see their layers of glass and gas, as well as the elaborate seals around the edges. A small, grated duct near the ceiling in the living room brings in clean air. In

the basement there is no furnace, but instead what looks like a giant Styrofoam cooler, containing the heat exchanger.

Passive houses need no human tinkering, but most architects put in a switch with three settings, which can be turned down for vacations, or up to circulate air for a party (though you can also just open the windows). "We've found it's very important to people that they feel they can influence the system," Mr. Hasper said.

The houses may be too radical for those who treasure an experience like drinking hot chocolate in a cold kitchen. But not for others. "I grew up in a great old house that was always 10 degrees too cold, so I knew I wanted to make something different," said Georg W. Zielke, who built his first passive house here, for his family, in 2003 and now designs no other kinds of buildings.

In Germany the added construction costs of passive houses are modest and, because of their growing popularity and an ever larger array of attractive off-the-shelf components, are shrinking.

But the sophisticated windows and heat-exchange ventilation systems needed to make passive houses work properly are not readily available in the United States. So the construction of passive houses in the United States, at least initially, is likely to entail a higher price differential.

Moreover, the kinds of home construction popular in the United States are more difficult to adapt to the standard: residential buildings tend not to have built-in ventilation systems of any kind, and sliding windows are hard to seal.

Dr. Feist's original passive house - a boxy white building with four apartments - looks like the science project that it was intended to be. But new passive houses come in many shapes and styles. The Passivhaus Institut, which he founded a decade ago, continues to conduct research, teaches architects, and tests homes to make sure they meet standards. It now has affiliates in Britain and [the United States](#).

Still, there are challenges to broader adoption even in Europe.

Because a successful passive house requires the interplay of the building, the sun and the climate, architects need to be careful about site selection. Passive-house heating might not work in a shady valley in Switzerland, or on an urban street with no south-facing wall. Researchers are looking into whether the concept will work in warmer climates - where a heat exchanger could be used in reverse, to keep cool air in and warm air out.

And those who want passive-house mansions may be disappointed. Compact shapes are simpler to seal, while sprawling homes are difficult to insulate and heat.

Most passive houses allow about 500 square feet per person, a comfortable though not expansive living space. Mr. Hasper said people who wanted thousands of square feet per person should look for another design.

"Anyone who feels they need that much space to live," he said, "well, that's a different discussion."

By Elisabeth Rosentha

Reprinted from the New York Times - Published: December 26, 2008

Source: [New York Times](#)

Source: www.globe-net.com

Business and Career Opportunities

National

Call for Applications for the 2009 CCME Pollution Prevention Awards

Applications for the 13th annual Pollution Prevention Awards, presented by the Canadian Council of Ministers of the Environment (CCME), are now being accepted. These awards recognize businesses and organizations showing leadership and innovation in pollution prevention in up to seven categories.

Application packages for 2009 and details of the CCME Pollution Prevention Awards Program can be found at www.c2p2online.com/CPFR

For more information, contact leah@c2p2online.com.

The deadline for applications is February 16, 2009.

Are You a Greenhouse Gas Professional?

ECO Canada is looking for Greenhouse Gas (GHG) professionals with expertise in any of the occupational areas listed below to help define a certification program for GHG professionals by validating National Occupational Standards for Canada's GHG sector (the standards requiring review have been documented in focus groups, taskforces and teleconferences by experienced GHG professionals across Canada).

GHG professionals needed include:

Verifiers: The independent, objective party (external or internal) that perform an evaluation of how a company/organization/project has established its inventory and/or projects, and reported its results against program criteria and/or a specific protocol that states expectations of greenhouse gas accounting principles.

GHG Quantification Practitioners (Project Level): Those who quantify, assess and report emissions and emission reductions that result from projects.

GHG Quantification Practitioners (Organizational/Inventory Level): Those who quantify, assess and report emissions and removals resulting from the activities of organizations, entities or facilities.

If you have expertise in any of the above areas please register at http://www.surveymonkey.com/s.aspx?sm=PJx3UXzc_2fzOUTUZVfmizkw_3d_3d to participate in the online validation process - a crucial step towards establishing certification for GHG professionals. (This online validation will be open from February to April 2009).

For more information, please visit our website at www.eco.ca/GHG or contact the GHG Project Manager at ghg@eco.ca or (403) 476-1938.

Geotechnical Design Criteria for Oil Sands End Pit Lakes

Requests for Proposals

Over two-dozen end pit lakes are planned for the mineable oil sands region. The Government of Alberta and some stakeholders (e.g., Fort McKay IRC) are expecting that each of these EPLs will become self-sustaining ecosystems (i.e., maintenance-free design objective). An important question of EPL management and design is what are the geotechnical requirements for EPLs to be able to meet this expectation? To address this issue, the EPLSG created an End Pit Lake Geotechnical Task Group (EPLGTG), which works on geotechnical design

recommendations for end pit lakes. The EPLGTG is interested in developing high-level and regional geotechnical design criteria for EPLs. At this initial stage, the focus is on developing criteria for the primary geotechnical issue of containment and the secondary issue of safe and sustainable access to the lake. This is a private tender.

Source: MERX . Reference: # PR165692.

Deadline: January 16, 2009

Technologies to Reduce GHG Emissions from Nitrogen Fertilizer

Requests for Proposals

Production of all nitrogen and phosphorous based fertilizers requires natural gas as the starting material. Natural gas is converted via the Haber - Bosch process to ammonia. Once ammonia is produced, the other nitrogen and phosphorous based fertilizer products can be manufactured. Many fertilizer manufacturing facilities in Canada are integrated facilities and also produce urea, ammonium nitrate, and urea - ammonium nitrate solutions (UAN). For the fertilizer industry, the principal air pollutants released from this sector are ammonia, nitrogen oxides and sulphur oxides. VOCs are released, but to a far lower extent. Environment Canada requires a consultant to help identify the Best Available Technologies Economically Achievable for Nitrogen Fertilizer Manufacturing and for the Reduction of Air Pollutants and Greenhouse Gases.

Source: MERX . Reference: # 165698.

Deadline: January 15, 2009

Cross-Canada Survey of Radon Concentrations in Homes

Requests for Proposals

Health Canada requires a survey of residential radon concentrations in a minimum of 18,000 homes across Canada. The main objectives of the residential radon survey are to: Obtain an estimate of the proportion of the Canadian population living in homes with radon gas levels above the guideline of 200 Bq/m³ and Identify previously unknown areas where radon gas exposure constitutes a health problem.

The data collected during the survey will assist in identifying the areas of the country where priority should be given to raise awareness of radon risk and promote testing and remediation. The period of the Contract is from date of Contract to March 15, 2011 inclusive. The Contractor must conduct interviews in either of Canada's official languages, at the choice of the respondent being interviewed.

Source: MERX . Reference: # WTO-AGP/NAFTA/AIT.

Deadline: February 9, 2009

Environmental Maintenance: Polar Continental Shelf Project

Requests for Proposals

To provide multiple services including: water supply, sewage pick-up & disposal, snow removal, movement of cargo as well as hazardous waste and dangerous goods, provision of heavy equipment, and casual labour and professional services on an "as and when requested" basis for the Federal Government Department of Natural Resources, Polar Continental Shelf Project, Resolute Bay, Nunavut, Canada in accordance with the terms and conditions detailed in the Request for Standing Offer (RFSO) document, and in accordance with the Statement of Work. It is Mandatory that the offerors submit firm prices/rates for the three (3) years for all items listed at Pricing Schedules 1 & 2 of the Standing Offer. All responsive offerors will have their offers rated against the bid criteria required pursuant to the Nunavut Land Claims Agreement, Article 24.6.1 and their price proposal reduced by a percentage equivalent to the points obtained against these criteria, for evaluation purposes only.

Contact: Lagace, Helene, 11 Laurier St./ 11, rue Laurier 3C2, Place du Portage, Phase III Gatineau, Québec K1A 0S5, (819) 956-6647

Source: MERX . Reference: # 23239-080099/A.

Deadline: January 14, 2009

Acid Rain - N-Eutrophication

Contract Opportunity

CCME is now accepting proposals for the following contract opportunity:

Project 456-2009 – Acid Rain - N-Eutrophication. Proposals will be accepted until January 26, 2009, 12:00 noon CST. Please click on the following link for details: <http://www.ccme.ca/contracts/index.html>

Waste Management Services

Requests for Proposals

Environment Canada have a requirement for a Waste Management contract to provide waste removal, transportation, processing, disposal/recycling and related services for a period of two years.

This requirement also includes an irrevocable option to extend the term of the contract by up to two (2) additional one year period(s) under the same conditions.

There are insurance and security requirement included this Request for Proposal (RFP). The conditions must be met prior to contract award.

SECURITY REQUIREMENT FOR CANADIAN SUPPLIER:

1. The Contractor/Offeror must, at all times during the performance of the Contract/Standing Offer, hold a valid Designated Organization Screening (DOS), issued by the Canadian Industrial Security Directorate (CISD), Public Works and Government Services Canada (PWGSC).
2. The Contractor/Offeror personnel requiring access to sensitive work site(s) must EACH hold a valid RELIABILITY STATUS, granted or approved by CISD/PWGSC.
3. Subcontracts which contain security requirements are NOT to be awarded without the prior written permission of CISD/PWGSC.
4. The Contractor/Offeror must comply with the provisions of the:

(a) Security Requirements Check List and security guide (if applicable), attached at Annex "D"

(b) Industrial Security Manual (Latest Edition).

Delivery Date: Above-mentioned The Crown retains the right to negotiate with suppliers on any procurement. Documents may be submitted in either official language of Canada.

Contact: Webb, Velda Ontario Region 33 City Centre Drive Suite 480 Mississauga Ontario L5B 2N5 (905) 615-2066 ()

Source: MERX . Reference: # PW-\$TOR-015-4878.

Deadline: January 12, 2009

International

European Summer School in Resource and Environmental Economics

EAERE-FEEM-VIU European Summer School in Resource and Environmental Economics

CALL FOR APPLICATIONS

Economics, Transport and Environment
Venice, July 5th - 11th, 2009

<http://www.feem.it/ess>

Deadline for application: February 1st, 2009

The European Association of Environmental and Resource Economists (EAERE), the Fondazione Eni Enrico Mattei (FEEM) and the Venice International University (VIU) are pleased to announce their annual European Summer School in Resource and Environmental Economics for postgraduate students.

The 2009 Summer School will take place from the 5th to the 11th of July, at the VIU campus on the Island of San Servolo, in Venice, located just in front of St. Mark's Square. The theme of this Summer School is Economics, Transport and

Environment.

Transport is considered one of the main sources of externalities. Important externalities are air pollution, noise, congestion, wear and tear, but also accident, congestion and schedule delay costs imposed upon others. It is proposed to focus the summer school not only on environmental problems in a very narrow sense but also to study the interrelation with the other types of externalities. Transport externalities need a somewhat different analysis from most other externalities in the sense that the level of the externalities feeds back into the level of the activity: increased congestion and accident levels decrease participation in transport activities.

FACULTY and LECTURE TOPICS

Prof. Stef PROOST, Katholieke Universiteit Leuven, Belgium - School Coordinator
Topic: Transport externalities in general equilibrium and partial equilibrium models

Prof. David BROWNSTONE, University of California at Irvine, USA
Topic: Econometric models of vehicle ownership and use, fuel efficiency, technology forcing and choice of new fuels, and the effects of land use

Prof. Bruno DE BORGER, University of Antwerp, Belgium
Topic: Company cars, congestion and taxation of work trips

Prof. André DE PALMA, University of Cergy-Pontoise, France
Topic: Modeling transport in urban areas: dynamic models of traffic and emissions - bottleneck versus network models, effects of alternative traffic pricing policies

Prof. Matthew TURNER, University of Toronto, Canada
Topic: Land use, economic development, transport and externalities

ADMISSION AND SCHOLARSHIPS

The Summer School is targeted to postgraduate students. Admission is conditional on the presentation by each student of his/her doctoral work; therefore PhD students who want to apply normally need to be advanced in their PhD to have produced at least one substantive chapter, but not to have completely finished their thesis. Application is restricted to 2009 EAERE members, both European and non European citizens. Women are encouraged to apply. Given the highly interactive activities planned at the Summer School, the number of participants is limited to 20. There is no participation fee.

This activity is part of the ESS RESECON project, that has received funding from the European Community's Sixth Framework Programme, Marie Curie Actions - Human

Resources and Mobility. All successful applicants will receive financial assistance for their participation in the Summer School under the ESS RESECON project, in accordance to the Marie Curie Actions' rules.

For further information on application and funding please access the Summer School Website at <http://www.feem.it/ess/> or contact the Summer School Secretariat.

Summer School Secretariat
Ms. Angela Marigo
Fondazione Eni Enrico Mattei
ess@feem.it
<http://www.feem.it/ess/>

Upcoming Conferences/Events/Trade Show

Local

Sustainability and the Project Site: Going Beyond the Green

Building with Sustainable Master Planning
Sustainable Master Planning (SMP) and the Net-Zero Design Approach

Presented by Albert Bicol of Cobalt Engineering

The Manitoba Chapter, Canada Green Building Council would like to invite you to their first event of the new year!

Sustainable Master Planning offers a holistic approach to "green" development beyond the Green Building level. In this session, you will learn how SMP blends science, technical expertise and vision to assess how sustainability affects every aspect of the project. Explore why collaboration between developers, owners, urban planners, architects, and engineers from the start is critical to creating healthy communities and delivering exceptional results for your clients.

Date: January 12th, 2009
Time: 12:00 noon to 1:30 p.m.
Location: TBD in January
Cost: \$30.00 Non-members*
\$20.00 Members/EGBs

Payments can be made by cash or cheque at the door.

Please RSVP to Megan Yetman at the Manitoba Chapter, Canada Green Building Council at manitobachapter@cagbc.org or by telephone at 943-1023 by Wednesday, January 7, 2009.

Note: You must RSVP to attend. As we are charged for all RSVP's, please note that all no-shows will be invoiced.

For more information on what's going on in Manitoba, please check out our events page at: <http://www.cagbc.org/chapters/manitoba/events/index/main157/events/2009-01.php>

State of Agriculture, Food and Rural Initiatives in Manitoba

Manitoba Chambers of Commerce cordially invites you to Breakfast with Hon. Rosann Wowchuk, Deputy Premier, Minister of Agriculture, Food and Rural Initiatives

Tuesday, January 13, 2009
Norwood Hotel
7:30 a.m. - 9:00 a.m.

Sponsored by: Manitoba Pork Council

Cost: Member \$35. Plus GST Non Member \$40. Plus GST Student \$25. plus GST

For Further Information: Phone (204) 948-0100 Email: gfindlay@mbchamber.mb.ca

National

EnerCan West: Energy for a Sustainable Future

Saskatchewan, as a Canadian and global leader in economic growth, is the place for investment, research and business development. And energy is top-of-the-heap for opportunities from all perspectives.

EnerCan West, a two day energy conference and trade show co-hosted by the Saskatchewan Environmental Industry and Managers Association (SEIMA) and the Manitoba Environmental Industries Association (MEIA) is on a fast-forward trajectory for delivery of the best minds, best practices and best technological information available in the field of sustainable and renewable energy options.

On March 16 & 17, 2009, the EnerCan West inaugural event will focus on the role of nuclear energy in the energy mix of the future. Where does nuclear fit in a climate-challenged world?

WE'RE PROUD TO LAUNCH OUR NEW WEBSITE AT www.enercanwest.com, where you'll find all the details on this exciting new international conference and trade show. Check it out now!

AMERICANA International Environmental Trade Show and Conference

MEIA is a Supporting Organization of Americana 2009

March 17 – 19, 2009

RÉSEAU environnement will hold its 8th edition of the AMERICANA International Environmental Technology Trade Show and Conference from March 17 to 19, 2009 at the Montreal Convention Centre. Recognized as one of the most important events of its kind in North America, this year's AMERICANA will play host to more than 10,000 participants, 400 exhibitors and 150 speakers from Québec, Canada and more than 60 countries worldwide. Created in 1995 and held every two years, AMERICANA is organized by RÉSEAU environnement. For more information or for registration please visit: www.americana.org

Clean Technology Conference and Expo 2009

May 3 – 7, 2009
George R. Brown Convention Center
Houston, Texas

Our Mission: Advance the development, commercialization and global adoption of clean technologies and sustainable industry practices.

Powerful Community: Clean Technology 2009 brings together over 5,000 [technology and business leaders](#) and experts from academia, investment, government, startups and Fortune 1,000 companies.

Delivering Results: Identifying latest clean technologies and commercial sustainable solutions, driving advanced research insight and best practices, matching buyers and sellers, enabling strategic partnerships, and providing IP licensing, venture capital, corporate financing and customer acquisition opportunities.

Submissions Due: January 28th 2009
[Submit Intellectual Property \(IP\)](#)
[Submit Early Stage Company \(Venture\)](#)
[Submit Technical Abstract](#)
[Submit Business & Policy Proposal](#)

For more information click [here](#)

Canadian Renewable Energy Workshop

March 10 – 12, 2009
Regina Inn Hotel and Conference Centre
Regina, Saskatchewan

Knowledge, Technology and Connections

The 2009 Canadian Renewable Energy Workshop is the first stop on the path to optimizing your strengths and realizing your renewable energy ambitions. Attendees will enjoy world-class presentations at the only conference in Canada that combines emerging biofuels and biomass power in one.

For more information click [here](#)
www.crew2009.com

Project Delivery - A Successful Strategy from Concept to Completion

January 19 – 20, 2009
Calgary, AB:

Success in delivery of a project or as some term them deliverable(s) depends on your position in the contracting relationship. Whether you are the owner (employer), contractor or consultant you each look on profit as a successful outcome. Each party is willing to accept some risk but the type of contracting relationship you select and the contract you sign will determine if you will be asked/able to accept/transfer risk. This presentation will seek to address these issues.

For full course details and registration please check this link:
<http://www.gic-edu.com/coursedetail.aspx?id=152>

NPPE - Professional Practice Exam

Edmonton, AB: 10 Jan - 11 Jan 2009

Description:

As a prerequisite for registration in the APEGGA, Engineering, Geologists, and Geophysicists graduates and other first time applicants are required to successfully complete an examination on the topics of professional practice, ethics and law to be able to practice their profession in Canada.

For full course details and registration please check this link:

<http://www.gic-edu.com/coursedetail.aspx?id=245>

World Conference on Sport and the Environment Coming to Vancouver

March 29-31, 2009

A worldwide forum on opportunities and issues for sustainable sport is coming to Vancouver. The International Olympic Committee (IOC), in partnership with the United Nations Environment Programme (UNEP), will convene the 8th World Conference on Sport and the Environment from March 29-31, 2009.

The theme for the 2009 conference is Innovation and Inspiration: Harnessing the Power of Sport for Change. The program will feature speakers from the international sport community examining how sport organizations and major sporting events can contribute to environmental, cultural and economic sustainability at local, regional and global levels. The conference will offer plenary and concurrent sessions under two conference tracks: Sport for Environmental Solutions and Sport for Sustainable Living.

The Vancouver Organizing Committee for the 2010 Olympic and Paralympic Winter Games (VANOC) will host the conference at the Vancouver Convention & Exhibition Centre on behalf of the IOC and UNEP.

"It is an honour to be hosting such a prominent conference on sport and the environment here in our own backyard at a time when the eyes of the world are on us," said John Furlong, chief executive officer for VANOC. "We are especially proud, as Canada and particularly British Columbia, are leaders and innovators in environmental stewardship and sustainability. This conference presents a unique opportunity for local and international delegates to share new knowledge and experiences with a global emphasis."

The IOC supports Olympic cities hosting the World Conference as it provides an arena for discussion on sustainability and the Olympic Movement. The conference brings the world together to recognize the progress made in staging more sustainable Games while encouraging cooperation and further development of environmental initiatives relating to sport as well.

"The environment is an important part of the work of the Olympic Movement and we recognize there can be many opportunities for sport and the Olympic Games to provide sustainable environmental legacies," said Jacques Rogge, IOC President. "The recent attention given to global warming has pushed sustainability to the very top of the agenda for governments, businesses and ordinary citizens. The conference brings together the world of sport and environment to share knowledge and advance practices related to sport and its relationship with the environment and communities."

This will be the first time the international conference will be hosted by a Canadian city. Past conferences have been held in Nairobi, Kenya; Torino, Italy; Nagano, Japan; Kuwait City, Kuwait; Rio de Janeiro, Brazil; and, Lausanne, Switzerland. The 7th World Conference on Sport and the Environment was hosted by the Beijing Organizing Committee for the Games of the XXIX Olympiad in Beijing, China in October 2007.

In addition to the conference, the 2009 World Conference on Sport and the Environment will feature an [Innovation and Inspiration](#) exposition to showcase best practices by organizations in the Olympic family who promote sustainable living and

sustainable development through sports. The exposition will be open to the general public as well as the international audience of high-level conference delegates, including IOC and UNEP representatives and global corporate entities.

Interested exhibitors should book early as this opportunity is sure to sell out. Please contact The Globe Foundation at +1 604.775.8027 or e-mail exhibits@wcse2009.com.

Registration for the conference is now open. Visit <http://www.wcse2009.com/> for more details about the program and conference features.

About the WCSE

The World Conference on Sport and the Environment typically attracts a global audience of many hundreds of participants, including representatives from the IOC, UNEP, National Olympic Committees and International Sports Federations, past and current Organizing Committees, candidate cities (current and aspiring), other major international sporting events, governments, corporate sponsors, academic institutions and environmental organizations. Learn more about the WCSE at <http://www.wcse2009.com/>.

About VANOC

VANOC is responsible for the planning, organizing, financing and staging of the XXI Olympic Winter Games and the X Paralympic Winter Games in 2010. The 2010 Olympic Winter Games will be staged in Vancouver and Whistler from February 12 - 28, 2010. Vancouver and Whistler will host the Paralympic Winter Games from March 12-21, 2010. For more information about VANOC and the 2010 Winter Games, visit www.vancouver2010.com.

About GLOBE

The GLOBE Foundation is a Vancouver-based, not-for-profit organization dedicated to finding practical business-oriented solutions to the world's environmental problems. Formed in 1993, the Foundation has helped companies and individuals realize the value of economically viable environmental business opportunities through [conferences and events](#), [research and consulting](#), [project management](#), [communications](#) and [GLOBE Awards](#).

For More Information: [GLOBE-Net](#)

EPIC: The Vancouver Sun Sustainable Living Expo

May 8 - 10, 2009

EPIC: The Vancouver Sun Sustainable Living Expo is Vancouver's largest green consumer show and eco-marketplace. Visit EPIC to learn about environmentally-friendly products and companies that mix style and quality with sustainability.

Greening your life is easy - all you need is a little education and inspiration. EPIC has lots of both. Join us for this three day celebration of green living, and surround yourself with truly inspiring people and environmentally innovative products.

Learn how to live a healthier, more sustainable life from experts in everything from eco traveling to green weddings. Reveal your inner treehugger and spend the day shopping in our marketplace of over 200 organizations offering the latest green products that are earth-friendly, ethically sourced, and better for your health. Let EPIC inspire you to 'Shop and Th!nk'.

International

"Energy and Climate Summit 2009: Meeting New Challenges"

February 3 – 4, 2009

New Delhi at Hotel le Meridien

Integrated research and Action for development (IRADe)

IRADe, a Research and Action Institute in New Delhi, India is organizing an event on collaboration with other organizations in India. Our intention is to discuss how climate change impacts energy sector (adaptation) and how energy sector can come forward to mitigate emissions. Several ministers including Ministry of Power, Ministry of petroleum and natural gas, Planning Commission and others. High-level govt. officials, experts from academic, public and private sectors from India are expected to attend the event.

While India will be the focus, many of the issues are generic. We are looking for International and Indian experts on somewhat less explored subject of how climate change could impact energy sector. Prog is attached. While some of the major invitees from the Government are confirmed for inauguration and chair persons, there is room for some experts to join us if informed soon.

Pl. see for details and registration form www.irade.org

The Southeast Recycling Conference & Trade Show

The 22nd Annual Southeast Recycling Conference & Trade Show (SERC) will be conducted at the Hilton Sandestin Beach Golf Resort & Spa, in Destin, Florida on March 1-4, 2009, Trade Show on March 1-3.

Each year the Southeast Recycling Conference & Trade Show (SERC) provides the premier forum for informing the public and private sectors of the economic and environmental significance of recycling and waste reduction in the Southeast. Attendees will have excellent networking opportunities and a chance to visit the exhibits to preview the newest advances in recycled products and services.

Tentative conference presentation topic areas include the following:

- * Recovered Material Market Up-Dates and Prices (Paper, OCC, Plastic, Aluminum, Steel & Glass)
- * Advances in Recycling Processing and Collection Technologies
- * Recovering More Recyclables
- * Public Education/Promotion
- * Recycling Coordinator Training - Beginner's Guide
- * Recycling Coordinator Training - Advanced Techniques
- * Organics Recycling and Composting
- * Non-traditional Recyclables - Markets and Collection Techniques
- * Going Green (Procurement, Building, Events)
- * Waste-to-Fuels & Energy Recovery
- * RFPs and Contract Writing
- * Cross-Fire - SERC will bring back the popular Cross-Fire Panel at this conference

For more information on the following, please click [here](#)

Call for Papers, Registrations, Exhibitors and Sponsors
Recycling Coordinator Scholarships and Travel Grants
Student Scholarships
Golf Tournament
Sponsorship
Exhibiting
Registration
Hotel Registration
Contact Information

Carbon TradeEx America

April 7-8, 2009
Convention Center
Washington, D.C.

Koelnmesse is working with the Carbon Markets and Investors Association (CMIA) to deliver the premiere Carbon Market conference and trade in the U.S. Carbon TradeEx America is being designed to serve the national education, networking, and business needs of all current and future Carbon Market players.

For more information or to pre-register go to www.carbontradeexamerica.com. Please enter priority code CTA-05. Or call us at 773-326-9925.

Conference on the International Dimensions of Climate Policies

Registration for non-presenting participants

21 - 23 January 2009, University of Bern, Bern, Switzerland

The NCCR Climate invites non-presenting scientists and participants to the "International Dimensions of Climate Policies" conference that will take place on 21 - 23 January 2009 in Bern, Switzerland. Contributions from the following fields will be presented:

- * Trade theoretical foundations of integrated assessment models
- * Trade implications of promoting adaptation
- * Effect of technological transfers and spillovers in the context of global climate policies
- * International competitiveness in the presence of climate policies

The conference will cover a broad spectrum of climate economic research issues and foster cross-disciplinary links. Each topic includes a keynote plenary lecture and numerous parallel sessions. It is open to all interested hearers.

Keynote Speakers:

Christoph Böhringer (U Oldenburg; confirmed), Carlo Carraro (U Florence; confirmed), Thomas Cottier (U Bern; confirmed), Chris Hope (U Cambridge; confirmed), Andreas Löschel (ZEW; confirmed), Nebojsa Nakicenovic (TU Wien), William D. Nordhaus (U Yale), Michael Rauscher (U Rostock; confirmed), Thomas F.

Rutherford (ETH Zurich, confirmed), Richard S. Tol (U Dublin; confirmed). Further speakers to be announced.

Programme committee:

Juan-Carlos Altamirano (EPFL), Seraina Buob (U Bern), Thomas Cottier (U Bern), Beatriz Gaitan (U Bern), Alain Haurie (U Geneva), Gunter Stephan (U Bern), Hal Turton (PSI, ETH Zurich), Philippe Thalmann (EPFL), Alexander Wokaun (PSI, ETH Zurich), Frank Vöhringer (EPFL).

Registration:

Non-presenting participants (hearers) can register on-line at <http://www.nccr-climate.unibe.ch/conferences/climate_policies/subscribe_hearer_en.html>.

Conference fee: CHF 250 regular, CHF 100 students Registration deadline: 14 November 2008.

Hotels and accommodation:

Bern, where the conference will take place, offers a breath-taking setting surrounded by the Swiss Alps, with its old town listed as a UNESCO world heritage site. Visit the webpage of the Bern tourism office (<<http://www.berninfo.com/en/welcome.cfm?>>) for information on hotels and accommodation.

Contact:

Seraina Buob, University of Bern, Switzerland, Tel. +41 31 631 45 09, <<mailto:seraina.buob@vwi.unibe.ch>>

Municipalika

6th International Exhibition & Conference on Municipal Services, Urban Development and Public Works

Making Cities Work
January 29 – 31
Mumbai, India

With the rapid pace of Urbanization, the percentage of India's population living in cities and urban areas has almost doubled to 27.8% in 2001 from 14% at the time of Independence. This is expected to accelerate even further, and by 2021 over 40% of Indians will be living in urban areas. The scale of urbanization in India can be seen in 6 mega cities (5mn plus), 29 metro cities (1 mn plus), 500 cities (100,000 plus), with a total of over 5000. By 2011, Urban India will contribute over 65% to

Indian GDP. Indian Cities provide settings as engines of economic growth, and at the same time face enormous challenges.

For more information on initiatives and exhibit profiles, please click [here](#).

The 11th International Conference on Energy and Environment

March 15-18, 2009
Hurgada , Egypt

I am pleased to introduce to you the 11th International Conference on Energy and Environment that will be held in Hurgada, Egypt March 15-18, 2009. This conference will also be coupled with the 8th World Conference on Solar Electricity. The Conference is held every two years and organized jointly by The Supreme Council for Scientific Research in Egypt , Wayne State University in Detroit, Michigan and the University of California (UCLA), USA .

It covers broad topics on Energy and Environment including the following topics
Renewable Energy: Solar, Wind, Biomass,...
Advanced Energy Technologies: Nuclear (fission and fusion), Dark Energy, Nano - materials and technology.

Environmental issues related to energy: Combustion, air pollution, bio fuels, hydrogen and fuel cells, and environmental and health effects of electromagnetic waves.

The website for the conference is: <http://www.eecairo.com>