

A circular collage of various images representing Earth's natural and human-made elements. The collage includes green forests, blue oceans, white clouds, and human-made structures like buildings and roads. The overall composition is a mosaic of different scenes from around the world, set against a dark blue background.

TOGETHER WE WILL
CHANGE
THE WORLD



SOMETIMES LARGE SCALE

CHANGE

IS MILLIONS OF SMALL CHANGES



Acadia University

Environmental Sustainability Program

Bachelor of Arts Environmental and Sustainability Studies: Four-year, 30 student per year program. Four areas of concentration: Advocacy, Education & Activism; Sustainable Community Development; Environmental Thought and Practice; Innovation and Entrepreneurship.

- Designed for students with an interest in environmental sustainability
- Emphasize individual and group hands-on learning such as the student-run Acadia organic farm
- Bachelor of Arts or Bachelor of Recreation Management
- Major includes a series of core environmental and sustainability courses
- Wide range of other environmentally focused courses across all faculties available
- Program is unique in Atlantic Canada
- Graduate problem-solvers who can address environmental and sustainability challenges

environment.acadiau.ca



Atlantic School of Theology

Installation of a high efficiency heating plant

Replacing 3 twenty-plus year old boilers with 2 modern units; anticipating a minimum of 10% reduction of fuel consumption.

- New plant operational for 2010/11 heating season
- Capable of using Fuel Oil or Natural Gas
- Efficiency improved by upgrading from a 1 pass to a 4 pass system
- Project complements the replacement of 113 windows in residence building
- Board Policy in place that commits to working toward enhanced sustainability and minimizing the School's ecological footprint.

www.astheology.ns.ca



Memorial University of Newfoundland Water Pledge

In 2009 Memorial University committed to increasing access to tap water and eliminating bottled water at events, with the goal of becoming bottled water free.

- Water pledge signing and video highlight of student orientation
- Employee water survey identified areas for education and infrastructure improvement
- 15 fountains and filling stations installed – wheelchair accessible, chilled, filtered
- 4,000 reusable bottles distributed to students to encourage using fountains
- Audit of condition and characteristics of 200 fountains completed
- 7,000 bottles of water replaced by tap water at events
- All new buildings to have fountains or filling stations

www.mun.ca/sustain



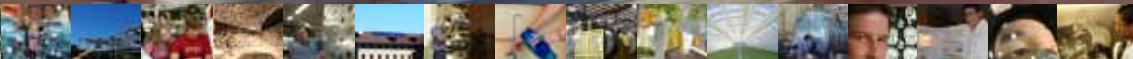
Université de Moncton

Conversion de La Chaudière au gaz naturel

La centrale thermique du Campus de Moncton a été convertie de l'huile lourde au gaz naturel pour réduire les émissions polluantes.

- Réduction des émissions polluantes
- Plus grande durabilité des équipements
- Meilleure fiabilité opérationnelle
- Réduction des coûts d'opération
- Plus grande flexibilité des opérations
- Redondance dans les combustibles compatibles.

www.umoncton.ca



Mount Saint Vincent University Plan for a Sustainable Campus

Building a more sustainable campus by improving our facilities and practices, and encouraging our community members to make more environmentally responsible decisions through awareness and education.

- Facilities Improvement Project – more than 40 projects campus-wide, resulting in reduced energy, water and oil consumption.
- Heating plant conversion – providing natural gas fuel supply.
- Information sharing – informing and engaging community through regular communication.
- Student Environmental Speaker Series – discussing student-focused sustainability topics.
- Community Garden – supporting food production awareness, peer learning and education.
- Earth Day Activities – including community-wide campus cleanup and celebration.

www.msvu.ca/sustainability



University of New Brunswick Energy Management Program

The Energy Management Program was established in 1996 with the goal of reducing energy use by operating buildings and equipment in the most efficient manner possible.

- Program involves: energy retrofiting, water reduction and waste diversion
- Earned UNB Fredericton 2010 Premier's Energy Efficiency Champion Commercial Sector Award
- 72 projects have been completed since 1996
- Annual atmospheric emission reduction target: 10,000 tonnes CO₂
- Improves quality of learning, research, residential and working environments
- Uses energy and environmental best practices
- Comprehensive energy retrofits for all buildings undertaken from 2009-2015

www.unb.ca/fredericton/fm/energy



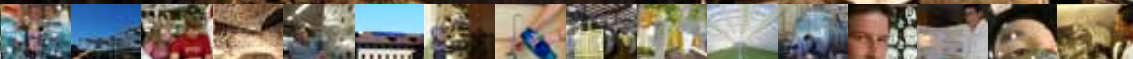
Nova Scotia Agricultural College

Swapping oil for biomass

Twenty-two years ago, NSAC established a wood chip biomass steam plant that still produces 78 per cent of the university's steam. The impact continues today.

- Fuel oil saved since 1988: 27 million litres;
- Waste created: None – 75 to 100 tonnes of ash are generated each year and used as a soil amendment on campus;
- CO₂ emissions saved by not burning fuel oil is equivalent to removing 518 cars from the road for one year

nsac.ca



NSCAD University

Ceramics Program High Efficiency Kilns

The opening of NSCAD's Port Campus in 2007 permitted the introduction of numerous improvements to the University's drive to support the AAU Climate Change Statement.

Included within the improvements was installation of five high efficiency Blaauw kilns to serve studio ceramics instruction. Pictured below, the kilns:

- Use clean burning natural gas selected to fire at significantly lower cost and yielding reduced carbon emissions
- Feature built-in heat exchange capability to recycle hot air required for modern clay and glaze firing processes
- Employ state-of-the-art heat insulation and retention technology originally developed through aerospace research
- Save energy through large volume capacity and computerized operation permitting safe and precise on-site or remote control

www.nscad.ca



Université Sainte-Anne

L'Université Sainte-Anne voit la vie en vert !

L'Université Sainte-Anne a mis en place trois sources d'énergies renouvelables sur son campus principal de Pointe-de-l'Église, en 2009 et 2010.

Trois sources d'énergies renouvelables :

- une installation de chauffage de l'eau à l'énergie solaire
- une fournaise de gazéification de la biomasse
- une éolienne de 50 kW.

Objectifs:

- réduire nos émissions de gaz à effet de serre
- réaliser des économies sur nos dépenses énergétiques
- contribuer au développement économique local
- être un modèle communautaire au niveau environnemental

- **Coût:** 2,5M\$ - Économies réalisées annuellement (prévision) : 200 000\$

www.usainteanne.ca



St. Francis Xavier University Significantly reduces its greenhouse gas emissions

Greenhouse gas emissions are down 17 per cent at St. Francis Xavier University, amazingly at a time when campus building increased by 41 per cent. In 2008, StFX switched from fuel oil to fish oil and reduced emissions by 12,000 metric tons a year.

- FM director Leon MacLellan says by being open to alternate sources and the efficiency of its heating plant, StFX emits 17 per cent less greenhouse gases than it did in 1990.
- Figures are significant considering campus increased from 1.2 to 1.7 million building square footage, and electricity use doubled.
- Ocean Nutrition in nearby Mulgrave produces the oil by-product in making Omega-3 EPA/DHA ingredients.

www.stfx.ca



Saint Mary's University

Maritimes Centre for Green Chemistry

The Centre promotes the collaboration of education and research initiatives looking at ways chemistry can be used to reduce or eliminate the use of hazardous substances.

- It brings together interested chemists to work on troubling environmental problems
- It develops partnerships with the chemical industry and manufacturers
- It is focused on developing substances that are safer for the environment and for the workers handling hazardous substances
- It establishes Nova Scotia as a research leader in a growing field
- It provides unparalleled research opportunities for students
- All research is focused on cheap, practical solutions for real world problems

www.smu.ca



St. Thomas University Green Action Initiatives

Committed to the principle of sustainability, St. Thomas University strives to use its resources in a manner that does not compromise the ability of future generations to meet their needs. This focus has had an immediate impact in the areas of solid waste reduction and water supply.

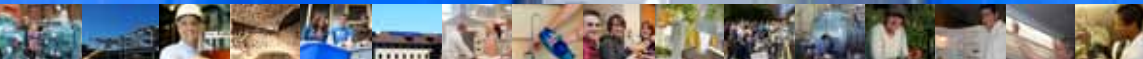
Solid Waste Reduction

- Recycle Cardboard, Paper, Bottles and Cans
- Compost Leaves and Garden Debris
- Recycle Left-Over Paint, Batteries, and Light Ballasts
- Composting at Windsor St. Student Residences
- Blue Box and Grey Box Recycle at Windsor St. Student Residences
- Two-Sided Photocopying Capability

Water Supply

The installation of low-flow faucets in the cafeterias and low-flow shower heads in the residences has been completed with significant water volume savings. Not only does this conserve water, it also reduces energy costs associated with wastewater treatment.

www.stu.ca



ASSOCIATION OF ATLANTIC UNIVERSITIES PRESIDENTS' STATEMENT ON CLIMATE CHANGE

Our university communities are deeply concerned about environmental challenges such as climate change that have far-reaching economic, social and ecological implications.

Society's knowledge of issues like climate change has been enhanced by research and teaching about these environmental issues on our campuses.

While our university communities have used this knowledge to initiate actions and policies to make our own campuses environments more sustainable, we believe that these efforts can be extended within our institutions and within the broader community.

Therefore, our university communities are committed to providing and maintaining leadership on environmental matters, by:

- Maintaining and extending research and teaching on environmental matters
- Sharing environmental research knowledge and insights with interested parties
- Encouraging public debate on environmental issues on our campuses and beyond
- Working with governments, business, other universities, and policy-makers to develop appropriate environmental solutions and policies
- Developing policies and programs on our campuses to reduce our own carbon footprint and to maintain and extend appropriate sustainability initiatives

With respect to our campuses, our own university communities are committed to:

- Establishing attainable, practical and transparent institutional inventories, plans and processes so that we can understand and reduce our energy consumption and environmental footprint
- Reporting regularly to our communities on the progress of these plans and processes
- Making best use of science and research in these initiatives
- Using quantifiable, measurable criteria to assess the impact of these initiatives
- Publicizing widely the particular initiatives and actions taken to reduce our carbon footprint

These initiatives will include but are not limited to:

- Renovating existing facilities to improve energy efficiency
- Building new facilities to sustainable principles
- Recycling in all aspects of our operations
- Purchasing local products and services where appropriate
- Maintaining and extending green space on our campuses where possible

ASSOCIATION OF
ATLANTIC
UNIVERSITIES



ASSOCIATION
DES UNIVERSITÉS
DE L'ATLANTIQUE

www.atlanticuniversities.ca