

Claudette MacKay-Lassonde Pavilion



A Landmark Facility on Western's Campus

Building on our leadership in the area of environmental sustainability, Western Engineering will become a national centre for practical environmental studies. We are committed to developing and advancing research with the potential to make a significant impact on the sustainability of our natural resources and the environment. To implement this leading edge research, we are constructing the **Claudette MacKay-Lassonde Pavilion** (also known as the 'Green Building')—a \$22 million, four storey, 45,000 square foot facility featuring 19,000 square feet of new laboratory space.

The Pavilion represents the most significant capital project in the history of Western Engineering and will be a landmark facility on campus that will lead the community into a new era of environmental sustainability.

Leading edge research conducted within the Pavilion will focus on converting agricultural resources into biofuels and bioproducts; developing environmentally-friendly chemical processes, nanomaterials, and stationary electricity generators; and removing pollutants from air and water utilizing solar technology.

This facility will be the first certified green building in Western's history. The ultimate goal is to achieve LEED (Leadership in Energy and Environmental Design) Gold Certification. The LEED system takes a whole-building approach to sustainability by recognizing performance in human and environmental health, sustainable site development, water savings, energy efficiency, materials selection and indoor environmental quality. In essence, the facility itself will serve as a massive research experience. As part of Western's commitment to providing the best student experience among Canada's leading research-intensive universities, the Pavilion was influenced through student design projects (an extraordinary experience for students) and incorporates green technology features such as solar panel collectors and green space on the roof.

1:1 Matching Fund Opportunity

Western committed to raising \$11 million from our private sector partners in support of the Claudette MacKay-Lassonde Pavilion.

We have approximately \$4.5 million left to raise on this goal. Through a combination of federal and provincial government funds, private funds and internal institutional funding, **all donations designated toward the Pavilion will leverage matching funds on a 1:1 basis, significantly increasing the impact of each gift.**

As we progress through the 21st century, it becomes increasingly clear that research innovation and private sector collaboration will be the keys to securing a healthy environment. With the generous support of our private sector partners, we will advance the development of viable green technologies and products, and create new energy alternatives with the aim of developing a sustainable future that will have a real impact on Canada's environment and on the quality of life for future generations.



Rendering courtesy of Shore Tilbe Irwin & Partners and Cornerstone Architecture Incorporated

**MAKE A
DIFFERENCE**

Claudette MacKay-Lassonde Pavilion

Why Western?

Considering the following factors, Western is ideally positioned to provide national leadership in environmental research:

Among Western Engineering's researchers, we are proud to count scientists who are recognized as **leaders and pioneers** in their respective fields.

- Western Engineering is home to the first **Environmental Engineering Program** in Canada, established in 1966. The Faculty has recently received approval to introduce a new undergraduate program in **Green Process Engineering** starting in September 2009.
- Western's strong commitment to environmental science and engineering research is demonstrated by the establishment of **several research Chairs** in these disciplines.
- **Research activities** in the fields of chemical reactor and reaction engineering, alternative energy systems, fluidization, environmentally friendly processes and products, and environmental fluid flows have been explicitly identified within Western's strategic plan.
- Home of **Environmental Research Western**—a cross campus institute functioning as an "intelligent bridge" between researchers with skills and interest in environmental research and industry and government partners who are looking for linkages with academia.
- **Location**—Southwestern Ontario provides an ideal setting for green energy research because of established academic strengths in green technologies, large neighbouring refineries and petrochemical plants, and the diversity of renewable resources from agricultural production. Its growing economy has intense energy requirements with an urgent need to decrease pollution from fossil fuel combustion.

Naming Opportunities

Western is dedicated to working in close cooperation with our donors to provide tangible benefits in recognition of their support. The chart below outlines a sample of support options and the corresponding investment required for naming opportunities.

GIFT LEVEL	RECOGNITION
\$1,000,000	Name One of the Four Floors in the Pavilion
\$500,000	Name a Research Unit in the Pavilion
\$300,000	Name a Large Research Laboratory in the Pavilion
\$150,000	Name a Medium Research Laboratory in the Pavilion
\$100,000	Name the Roof/Exhibition Space in the Pavilion
\$100,000	Name a Shared Work Space for Student Projects
\$75,000	Name Graduate Student Offices in the Pavilion
\$50,000	Name Undergraduate Study Space in the Pavilion
\$25,000	Name Offices in the Pavilion
\$25,000	Name Exterior Garden Area

To learn more about the Claudette MacKay-Lassonde Pavilion and how Western is supporting environmental management and a sustainable future, please contact:

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