

The University of Windsor embarked upon a Building Renewal and Energy Management Program in an effort to develop and implement strategies that attributed to improved comfort, efficiency as well as healthier and more attractive facilities.



Green Roofs at the University of Windsor

Ron W. Ianni Faculty of Law Building and Residences

The University of Windsor's Building Renewal and Energy Management Program led to a partnership with Ameresco Canada to improve facility efficiency, occupant comfort, and building aesthetics of the Ron W. Ianni Faculty of Law building and five university residences.

As leaders in sustainability, the University of Windsor is amongst the first to incorporate a green roof into their building environment. The green roof was constructed on the lower southwest roof section of the Faculty of Law Building leading to a series of benefits for the university including an increase of roof life span, reduced storm water run-off, noise insulation, reduced heating and filtering CO2 and other pollutants out of the air.

The renewal work was completed in a series of phases and was supported by Natural Resources Canada to ensure the success of the project.

Project Benefits

- Improved lighting, temperature and air quality
- Built new multimedia student theater, complete recondition of Student Residence Heating - A/C
- New Building Control automation including new flooring, paint and bathroom improvements
- Enhanced comfort for students, faculty and staff

Project Highlights

- Entire project value: \$12 million +
- CO2 emissions reduced by 1,350 tonnes, equivalent to saving 250,000 trees or taking 350 cars off roads
- Utility consumption savings of more than \$155,000 annually

Project Measures

- 2,600 sq ft green roof garden installation
- Lighting retrofit and systems redesign, occupancy sensors installed
- HVAC conversion & renewal
- Sub-metering
- Windows and skylights replaced with high-efficiency thermal units and door replacement
- Building envelope (roofing, wall cladding)
- Old water fixtures replaced with new efficient fixtures to conserve water usage
- Building automation upgrades
- New handicap accessible washroom in library

For more information about Ameresco and Better Campuses™ please contact Craig Piercey at 1-888-483-7267. Visit us online: www.ameresco.ca.

