Ontario Tech University

Building with a Conscience

Durham Greener Buildings

Description

Ontario Tech University builds with a conscience by incorporating sustainable technology into campus infrastructure projects in a way that benefits campus users, the local community, and the environment.

Progress to Date

- In the past year, the university has expanded its commitment to sustainable transportation through the addition of an electric zero-turn mower, an electric vehicle, and two hybrid vehicles, bringing the campus fleet to nearly 50% green vehicles.
- To further support the transition to electric transportation, six Level 3 electric vehicle chargers have been installed in public parking spaces across campus. A solar canopy is also being installed to provide renewable energy for these chargers, increasing Ontario Tech's total solar generation capacity by 190 kW.
- The university has also undertaken several infrastructure retrofits to improve building efficiency and reduce environmental impacts. This includes a roof replacement designed to improve the energy efficiency of the Science Building and the installation of bird-window dots across more than 5,000 square feet of glass to help prevent bird-window collisions.

Installation of the solar canopy



Desired Outcomes

Ontario Tech University hopes to achieve measurable environmental, educational, and community benefits through its sustainable infrastructure projects. Specifically, it aims to:

- Reduce greenhouse gas emissions across Scope 1, 2, and 3.
- Improve energy efficiency and increase the use of sustainable and renewable technologies on campus.
- Create healthier and more sustainable campus spaces that benefit students, staff, and visitors.
- Provide hands-on learning opportunities by using campus projects as "living labs" where students can experience sustainable technologies and practices.

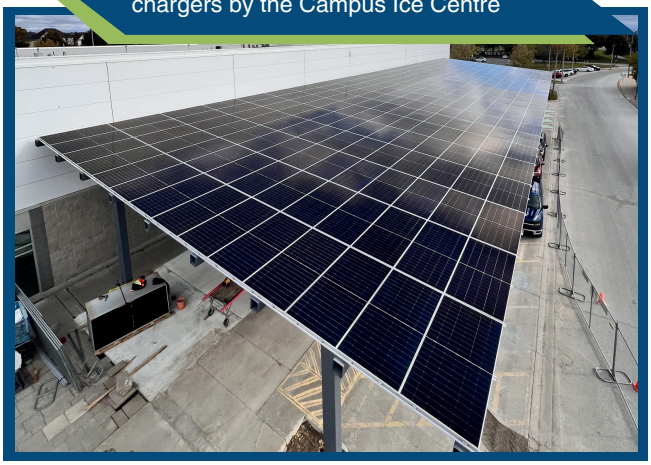
Long-term Vision and Sustainability Commitment

Through Ontario Tech University's green infrastructure and energy efficiency projects, we are creating a campus that meets today's needs, while planning for the future.

800 kw heat pump connected to the geothermal system



Solar canopy sheltering the level 3 EV chargers by the Campus Ice Centre



DURHAM REGION

Windfall ecology centre

OntarioTech UNIVERSITY