Sustainability
CARLETON UNIVERSITY

Carleton University

CARLETON UNIVERSITY SUSTAINABILITY GUIDE

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GREEN BUILDINGS GUIDE

1 Canal Building

The Canal Building is home to many of Carleton's engineering programs. The building was awarded a 5 Green Globes Rating, the highest rating received. The building boasts environmentally friendly features such as a 10 kWh array of 25 rooftop solar panels, a green roof with native and drought-resistant plants, and an energy display screen in the foyer. The building also serves as a living lab for academic research.

Herzberg Addition 2

The Herzberg Laboratories Addition, home to the Earth and Environmental Sciences departments, was awarded a 4 Green Globes rating for building sustainability. It is at least 30 percent more energy-efficient than the National Energy Code, and features building materials with recycled content as well as chemically inert materials such as carpets and paints throughout the building.

3 Teraanga Commons

Teraanga Commons *(formerly known as Residence Commons)* is located at the heart of Carleton University's residence life. The building has been awarded a 4 Green Globes rating for its sustainability features, which include low-flow water-saving fixtures, high-efficiency lighting with light controls, and optimal natural light penetration. Teraanga Commons also features an interactive energy display screen that shows live energy data.

Richcraft Hall 4

Richcraft Hall *(previously River Building)* is located alongside the scenic Rideau River and was awarded a 4 Green Globes rating for building sustainability. The building features an accessible green roof with native and drought-resistant planting, highly efficient passive solar lighting through the use of skylights and curtain wall systems, low-flow water-saving fixtures in washrooms, and a spectacular three-story living green “bio” wall.

5 Nicol Building

The Nicol Building, home to Sprott School of Business, received a 4 Green Globes Rating for its sustainable building features. These features include sustainable construction techniques utilizing BubbleDeck technology, demand-controlled ventilation, occupancy sensors for lighting and thermostats, skylights for natural light, and bird-friendly glazing on the windows.

ARISE 6

The Advanced Research and Innovation in Smart Environments (ARISE) building is intended to be a living laboratory and brings together professors and students from all faculties to collaborate on research and training in clean technology, health technology, information and communication technology, and accessibility. The building was awarded a 4 Green Globes rating.

GREEN GLOBES® BUILDING CERTIFICATION

Green Globes is a comprehensive, science-based, three-in-one certification system that evaluates the environmental sustainability, health & wellness, and resilience of all types of commercial real estate.

MacOdrum Library 7

The MacOdrum Library Addition expanded the building by 75,000 sqft and incorporated several sustainability features, earning a 3 Green Globes rating. These features include enhanced natural lighting in key areas, energy-efficient light fixtures, low-flow water fixtures, and the integration of existing structures, reusing approximately 50% of the original construction.

8 Health Sciences

The Health Sciences Building promotes interdisciplinary collaboration between neuroscience and health science programs and received a 4 Green Globes rating. The building features open-concept research laboratories, an animal vivarium, and bird-friendly window glazing to minimize bird collisions with reflective glass surfaces.

Frontenac Residence 9

The Frontenac Residence, an on-campus suite-style residence for upper-year undergraduate students, was awarded a 3 Green Globes rating. The building incorporates various sustainability features such as low-flow water-saving fixtures, optimized daylighting, and the use of low-VOC emitting interior materials.

10 Lennox-Addington

The Lennox and Addington House, an on-campus residence catering to all levels of undergraduate study, incorporates several sustainability features. These include energy-efficient light fixtures, solar shading devices for occupant comfort and control of sunlight, and the use of building materials made from recycled content.

Russell-Grenville 11

The Russell-Grenville house, originally constructed in 1965, underwent extensive renovations to enhance its sustainability and energy efficiency. These efforts resulted in the building earning a 4 Green Globes rating. Notable sustainability features of the renovation include maximizing natural daylight within the building, reusing existing facades and 50% of the major building structures, as well as incorporating energy-efficient lighting and water-saving fixtures.

12 C-RISE House

The Carleton Research and Innovation in Sustainable Energy (C-RISE) is a two-storey solar-powered house located at the north end of Carleton University's campus. It incorporates solar thermal energy, seasonal thermal storage, and serves as a testing ground for innovative concepts aimed at reducing energy demands and greenhouse gas emissions in the Canadian residential sector. Situated on a low hill, C-RISE showcases sustainable technologies and practices in the field of residential energy efficiency.

To learn more about sustainable buildings on campus, check out the Sustainable Buildings section on our website.

SUSTAINABILITY INITIATIVES

Waste and Recycling

Carleton University is committed to increasing waste diversion in all its operations. The university has implemented an extensive waste reduction and recycling program that includes 4-stream recycling stations, waste diversion walls, construction and demolition waste diversion, donation bins, electronic waste collection, and the 'Say No Thanks To Straws' program.

There are currently two **certified Zero-Waste** facilities on campus - **the Food Court** and **the caf**. These facilities have achieved 'Zero-Waste' status by diverting over 90% of all waste generated from landfills.

Centralized Waste Collection

Carleton University has replaced individual personal office bins with new central waste, recycling, and organic waste stations. These stations help benefit the campus in many ways, including holding individual accountable for waste generated, reducing risk for contamination of waste streams, and increases the diversion rate of recycling from landfills.

Electronic Waste Recycling

You can recycle small electronic devices such as cell phones, tablets, cameras, chargers, headphones, and ink cartridges in the **Electrobac** bin. Please note that these bins **do not** accept batteries, light bulbs, VHS tapes, or cassettes.

These bins are located at:

- **Athletics Centre**, 1st Floor
- **University Centre**, 4th Floor
- **Residence Commons**, 2nd Floor

Those wishing to dispose of larger e-waste items on campus can drop their items off (list of accepted items) at the following locations:

115 Maintenance Building (Stores)
1251 Herzberg Building (Hardware Services)
118 Steacie Building (Science Stores)

Lug-A-Mug Program

Save money and a cup by bringing your reusable travel mug every time you purchase a drink.

Don't have a reusable mug?
For only $1, you can purchase a Ravens Coffee Co. mug at following locations across campus: **Tunnel Junction, Food Court, Loeb Cafe, and Bent Coin.**

The Lug-A-Mug program provides customers discounts for bringing their reusable travel mugs to the following locations:

- 40 cents off at **Rooster's Coffeehouse**
- 25 cents off coffee & tea at **Tim Hortons, Starbucks & Second Cup**
- 25 cents off coffee & tea at **all Dining Service Vendors**

ValidFill

Carleton is the first university in Canada to use ValidFill technology in their Coke Freestyle machines, aimed at reducing single-use plastic cup waste.

The Freestyle machines in Oasis and the Food Court have been retrofitted with scanners that read RFID chips. Loaded reusable ValidFill bottles can be purchased in the Food Court or Oasis for only $34.99!

Textbooks for Change

Donate your used textbooks published in the last 15 years in the Textbooks for Change bins. Textbooks for Change will donate your textbooks to partner campuses, resell them at affordable prices, or recycle any out-of-date, damaged, or unusable textbooks.

Locations for donation boxes include:
Residence Commons, 2nd Floor
University Centre, 4th Floor
MacOdrum Library, 2nd & 4th Floor
Richcraft Hall, 5th Floor
3390 Mackenzie Building, 3rd Floor

Transportation

Cycling

The campus has several open bicycle racks in convenient locations that can be used free of charge.

Parking Services also sells permits for secure bicycle storage compounds at various locations (see list below). It costs only $90 per year to register and use these facilities, and you can find more information about the storage compounds and registration process **here.**

Secure Bicycle Compound Locations

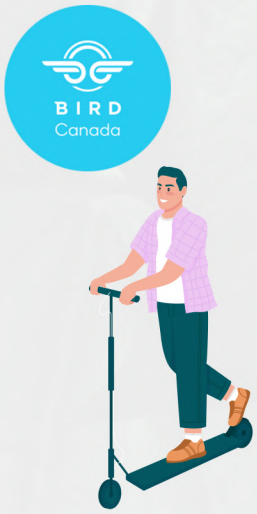
Athletics

Residence Commons

Dunton Tower

There is also a bike repair station situated on the **north side of the Architecture Building**, which includes all necessary tools for basic bike maintenance.

E-Scooters

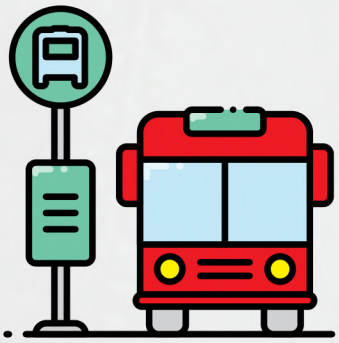


Carleton University has teamed up with Bird Canada to evaluate their potential as a mode of transportation to and from our campus.

Please note that Bird e-scooters are **not allowed** to be ridden on the main campus, but they can be ridden to the edge of the campus and parked at two designated parking sites known as 'nests' for convenience.

You can find more information, locations of the 'nests,' and policy guidelines regarding the use of e-scooters on campus **here**.

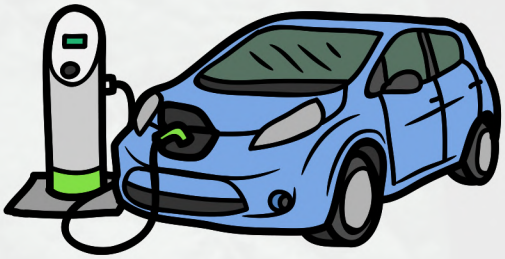
OC Transpo



There are multiple bus routes that travel to campus, as well as an O-Train stop (expected to re-open late 2023). Full-time students also receive a U-Pass, which allows them to ride on all OC Transpo and STO routes during their full-time school terms.

EV Parking

Parking Services has created designated EV Charging Stations/Parking Spaces at the following locations:



Library Garage – 2 spots on Level 1
P9 – 2 spots on Level 2
P16 – 2 spots on Level 1
P18 – 2 spot on Level 1
P7 – 20 spots on the west side

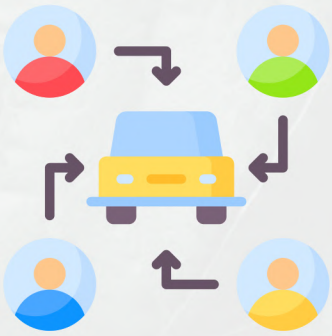
Permit holders with electric vehicles can use the EV Charging Stations at no additional charge for up to 4 hours. Non-permit holders must pay the EV Charging Station parking rate through the HotSpot App.

Carpooling

Carleton University offers flexible parking permit options for those who want to organize a carpool group. Parking permits can be shared among several vehicles as long as all vehicles are registered under the permit holder's profile. Contact Parking Services for more information.

Don't have anyone to carpool with? Check out OttawaRideMatch.com to find people to carpool with during your commute!

Carleton University is providing the above information as an option and accepts no liability whatsoever for any issues arising from sharing rides.



Car Share

Parking Services has teamed up with Communauto and Zipcar to offer car-sharing services on campus. Car-sharing allows users to rent a vehicle from a fleet of cars on an hourly basis.

The vehicles are conveniently located in two areas on campus:

Communauto – Lot P4
Zipcar – P18 Garage on Level 2

To learn more about these programs, please visit **Communauto** and **Zipcar**.

Community Engagement

Green Workplace Program

The Green Workplace Program evaluates sustainability efforts in the workplace at Carleton University through several key areas, such as waste and recycling, sustainable food and dining, energy and water usage, sustainable transportation, choosing socially responsible suppliers, and community engagement.

We also offer an Individual Green Home Office Program for those who work or study at home or remotely.

More information about both of these programs can be found on our sustainability website **here**.

Community Garden

Kitigànensag, Algonquin for "little gardens," is a student-run community garden on campus.
Located at the southeast corner of the Nesbitt building. Garden plots are free and applications for plots are open to all members of the Carleton community. Gardening season normally begins in April and runs until November.

Energy Dashboards

Within all of our residences, you can find Lucid Energy Dashboards that display residence energy use and waste consumption. The Canal Building is also home to an energy display screen.

In addition to the live energy data, the screens display sustainability facts about the university and helpful tips to live a more sustainable lifestyle.

Fair Trade Certified Campus

Fair Trade products can be found at all non-franchise locations including: the caf, Food Court, Tunnel Junction, Bent Coin, Loeb Café, Bakers Grill, Catering, and Rooster's Coffeehouse

Mealshare

Mealshare is a program that turns dining out into helping out.
When you purchase an item designated for Mealshare from one of the Express fridges, a youth-in-need receives a simple healthy meal.

Mealshare
Buy one, give one.

Green Revolving Fund

Carleton University has established a $1 million revolving fund to support sustainability-related projects. Proposals for funding will be evaluated based on their positive environmental impact, strong financial plans, and alignment with the following criteria:

- Demonstrated financial payback
- Enhancement of the student experience
- Innovation
- Risk reduction
- Social and/or community responsibility

To be considered for funding, projects must be financially viable since the fund operates on a revolving basis. All members of the Carleton community are encouraged to submit their ideas for consideration.

For more information and to see past projects, visit **here**.

Stay Connected

Keep connected with us by following us on our socials, as well as keeping an eye on the website and Top 5 for any sustainability events or news we have!

CUsustain

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Sustainability Events

Throughout the year, there are opportunities to volunteer your time to promote and engage in sustainable programs on campus. These include events like the Spring (for Staff and Faculty) and Fall (for Students) Clean Up the Campus events, Bike to Work Month in June, Fairtrade Campus Week and Waste Reduction Week in October, lunchtime talks, and more. Keep an eye out for messages in the Top 5 to learn about upcoming opportunities to get involved.

WWF | LIVING PLANET @CAMPUS

WWF Living Planet @ Campus

Living Planet @ Campus is a partnership between Carleton Sustainability and World Wildlife Fund Canada (WWF Canada). The program provides students with opportunities to take meaningful actions to protect the environment and improve sustainability practices within their own lives and on campus.

Additionally, by participating in the program, students can earn WWF's new Living Planet Leader designation, which is a self-guided certification. More about the program can be found **here**.

Sustainability
CARLETON UNIVERSITY

Carleton University is dedicated to continually improving our environmental and sustainable practices to enhance performance in all areas of our operations. Our commitment to sustainability enables us to reduce our collective impact while ensuring that both current and future generations of students, staff, and faculty can continue to enjoy our unique campus.

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