

Sustainability Programs Update

Building Program Committee

November 2021

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Agenda

- Highlights and Key Programs
- Community Engagement and Collaboration
- Leadership
- Operations
- Next Steps and Horizon Scanning

Highlights

- Release of Comprehensive Sustainability Plan (2020)
- ‘Strive for Sustainability’ one of three key directions within Carleton university SIP (Strategic Integrated Plan)
- UI Green Metric (2020) ranking Carleton 57/911 (Global) of 2nd (Canada)
- Signatory to Race to Zero and 2050 Carbon Neutral commitment
- New Waste Contract and waste strategy
- Green Restaurant Certification (3 Star Certified)
- New Energy Master Plan (2021)
- Nicol Building certified as 4 Green Globes

Goals / Targets

- Release of Comprehensive Sustainability Plan (2020)
- Our vision is to be a leading Canadian university that shapes and strengthens sustainability in society and contributes to the well-being of the community in which it operates.
- New Energy Master Plan (2021)

Reduce Carleton University's Environmental Footprint:

Develop a phased plan to reduce GHG emissions and to reduce targets by 2030 and become a carbon neutral campus by 2050

Reduce Utility Operational Costs:

Optimize utility operation costs

Increase Reliability and Safety:

Increase the system redundancy and resiliency;

Mitigate the impact of operational failures and interruptions.

Community Engagement and Collaboration

'progress in driving improvement towards sustainability are dependent on the active involvement of all members of our community' Sustainability Plan 2020-2025

- Active Champions Group
- Green Workplace Certification – accreditation for Sprott and Procurement (2021)
- Earth Hour Program, working with Student Groups
- Active member of Green Business Ottawa (Envirocentre)
- Partnership with World Wildlife Fund (WWF) towards the Living Campus Program
- Increase in student engagement with 800+ followers on Instagram and Facebook feeds
- Waste Reduction Week participation



Carleton students recognized as living planet leaders

Leadership

'Carleton will demonstrate leadership by integrating sustainability principles into its decision making and activities' Sustainability Plan 2020-2025

- New Comprehensive Sustainability Plan (2020-2025) launched
- New Energy Master Plan with a carbon neutral commitment by 2050
- Emerging Excellence Award from Green Business Ottawa
- Signatory to UN Carbon reduction commitment within Higher Education
- Involvement with University Global Coalition and implementation of Sustainable Development Goals (SDG) in Higher Education
- Membership of WUSC (World University Service of Canada) training advisory panel for environment and climate
- Carleton Staff and Faculty Carbon Literacy Certified (The Carbon Literacy Trust) – program for wider staff training in development
- Development of AASHE (Association for the Advancement of Sustainability in Higher Education) STARS 3.0 data

Operations

'Work towards a future where both operations and infrastructure embody and exemplify sustainability principles, best practice and innovation' Sustainability Plan 2020-2025

Energy

- New Energy Master Plan – a peer reviewed plan and community developed plan towards carbon neutrality and energy security
- 5% carbon savings compared to FY 2019-2020
- Co-generation plant operational
- LED retrofit programs and building re-commissioning of building audits in planning stages

Sustainable Buildings and Biodiversity

- Nicol Building certified to 4 Green Globes
- New residence building planned for Canadian Green Building Zero Carbon
- Funding approval for Green Space upgrades
- Update to Outdoor Space Master Plan providing wider holistic plan for campus biodiversity

Operations



Travel and Transport

- Bike Month promotions with webinar and training
- New secure bike parking adjacent to Dunton Tower
- Funding source for expanded Electric Vehicle charging in P7 upgrades
- Footbridge connecting campus to Vincent Massey
- Ongoing campus updates including roundabout to facilitate traffic flow - links to campus transportation plan

Operations

Waste and Recycling

- New waste contract with emphasis on zero waste, partnership approach
- New Waste and Recycling look up App allowing the Carleton community to review waste items – over 1000 look-ups in first 12 months
- Roll-out of 4 stream waste bins to include organic waste collection in all buildings
- Removal of office bins to improve contamination rates
- Campus waste audit to identify key problem areas
- Waste packaging review in-line with legislation and single use plastic updates
- Waste reduction week promotion
- Installation of in-ground waste bins – reducing vehicle movement



Operations

Food and Dining

- Fairtrade Week promotion and communications
- Campus Fairtrade certification and new steering committee with student and faculty involvement
- Green Restaurant Certification
- Carleton Dining supporting sustainable fishery operations by serving MSC certified Tuna, Cod and Haddock
- Partnership with Mealshare, a one-for-one social enterprise that provides, youth-in-need a simple healthy meal.
- Increase in local (Ontario and Quebec) sourcing of ingredients



Next steps

- Continued implementation of Sustainability and Energy Plan
- AASHE STARS (Sustainable Tracking Assessment and Rating System) submission pending 3.0 version (2022)
- Environment, Climate Change and Sustainability steering committee – full staff, faculty and student representation
- Development of ESG (Environment, Social and Governance) and review of synergies with ongoing work, including reporting and key themes (i.e. Investments and Energy)
- Development of UN SDG (Sustainable Development Goals) student training
- Return to campus programs and promotions – carshare, EV parking, green workplace, organic waste, champions groups.

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