



UNIVERSITY OF
TORONTO
MISSISSAUGA

Sustainability Strategic Plan

Progress Report January 2021 – April 2022

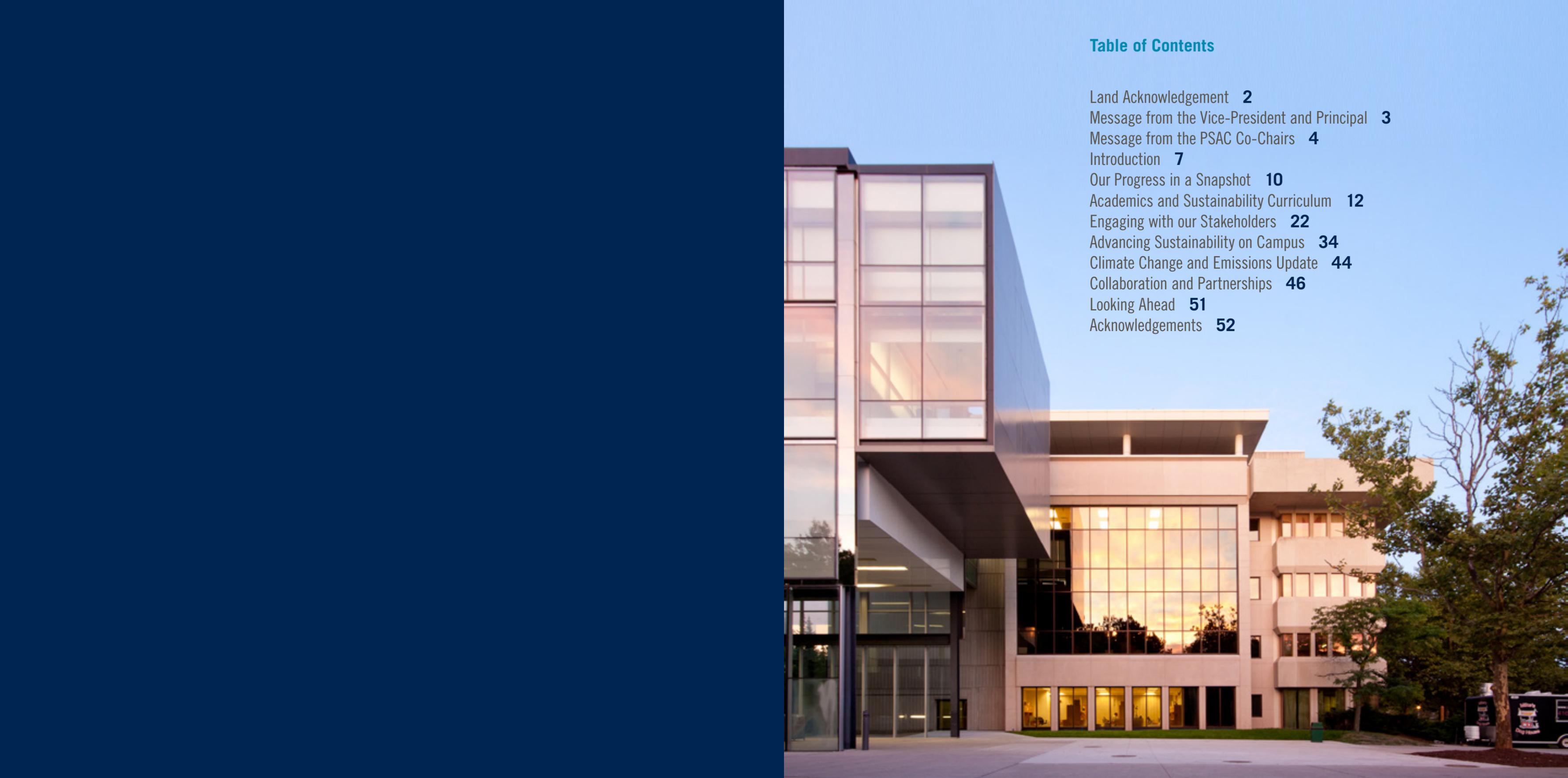


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Land Acknowledgement

We wish to acknowledge this land on which the University of Toronto operates. For thousands of years it has been the traditional land of the Huron-Wendat, the Seneca, and the Mississaugas of the Credit. Today, this meeting place is still the home to many Indigenous people from across Turtle Island and we are grateful to have the opportunity to work on this land.



Message from the Vice-President and Principal



The University of Toronto Mississauga (UTM) works to create a sustainable future, guided by our first-ever Sustainability Strategic Plan. We're just over a year into the Plan's implementation. And UTM has a lot to celebrate, including our resilience and agility throughout the COVID-19 pandemic. We've also learned and changed so much: about how we research, teach, and connect; about how we work together; and about how we operate—and thrive—as an integrated, powerhouse campus. UTM will continue to put our learning in practice as our community drives impactful innovation and fosters a culture of sustainability.

UTM is uniquely positioned for bold climate action. We steward 225 acres of beautiful, protected greenbelt, which offer distinct opportunities for species preservation, biodiversity renewal, and land-based learning. We unite world-leading sustainability researchers, who set the standard for climate change discovery and implementation science. We connect more than 16,000 students, who embrace sustainability education, and spark positive change in the Peel and Greater Toronto communities and beyond. And we champion our

amazing sustainability staff, who continue to catalyze our progress in realizing sustainability goals and reducing campus GHG emissions.

We've made a lot of progress! Over the last year, as this report celebrates, UTM has implemented energy efficiencies across new and existing buildings; developed innovative ways to scale sustainability projects; and welcomed our first container farm, which grows herbs and leafy vegetables for campus eateries. Our academic and research programs continue to shine; and our students continue to advocate and act for a greener, healthier, more equitable future.

Our Sustainability Plan empowers UTM to build that future together, focused by ambitious goals and targets. Huge thanks to the Principal's Sustainability Advisory Committee (PSAC) and our Sustainability Working Groups for leading another year of climate resilient success. And thanks to everyone at UTM for fostering sustainability in our teaching and research, our campus and community engagements, and our infrastructure and resources. You're making change now and building a better world for generations to come.

Alexandra Gillespie
Vice-President and Principal
University of Toronto Mississauga

Message from the Principal's Sustainability Advisory Committee (PSAC) Co-Chairs

Sustainability cannot be operationalized by a single person, team, or department. For sustainability to truly be implemented across any organization, it must be embraced by every individual at every level, in all departments. UTM's Sustainability Strategic Plan created a foundation for seven working groups to be formed in 2021, bringing together 33 staff, faculty, and external partners to focus on each pillar of the Plan. It has been inspiring to see the great work across campus over the last year. From academic programs, providing an opportunity for sustainability education regardless of discipline, to on-campus operations, including energy

efficiency measures and sustainable food and dining programs.

UTM holistically understands the value sustainability brings to our campus, and we acknowledge we still have work to do. As co-chairs of PSAC, we are committed to achieving UTM's vision to foster the culture of sustainability necessary to become a world leader in sustainable practice. We look forward to the continued effort to implement the Sustainability Strategic Plan over the next nine years and welcome the entire UTM community to get involved.

Susan Senese

Interim-Chief Administrative Officer
(July 2021 – April 2022)
Co-Chair, Principal's Sustainability Advisory Committee

Rhonda McEwen

Vice Principal, Academic and Dean
Co-Chair, Principal's Sustainability Advisory Committee

Deborah Brown

Chief Administrative Officer (April 2022 – Present)
Co-Chair, Principal's Sustainability Advisory Committee





Introduction

Strategic Plan Overview

Devised over a period of 11 months, the Sustainability Strategic Plan started with the establishment of PSAC, comprised of passionate students, faculty, and staff. Highlights of this journey included monthly PSAC meetings to discuss the sustainability strategy, focus groups and townhalls with members of the UTM community, and visioning sessions with key stakeholders to determine ambitions, goals and targets for each of the five pillars.

Across our five pillars, this Plan pursues 26 goals, organized as either short- or long-term projects. Each goal remains consistent with the United Nations Sustainable Development Goals (UNSDGs) and the Sustainability Tracking, Assessment & Rating System (STARS 2.2) of the Association for the Advancement of Sustainability in Higher Education (AASHE).

Since early 2021, UTM has been implementing the 2021/2022 academic year targets and goals in the Plan. Subcommittee working groups have been established to aid in this process. This report summarizes our progress to date.

UTM's Sustainability Vision

UTM aims to foster the culture of sustainability necessary to become a world leader in sustainable practice. Our vision of sustainability, as articulated by the Sustainability Pathways Working Group (SPWG), rests on the principle that the biosphere is the foundation for all human activities: the well-being of present and future generations depends on the health of our shared ecosystems. We seek to create a culture that respects the earth and all of its inhabitants. Influenced by the World Commission on Environment and Development (WCED), our commitment also encompasses the 17 United Nations SDGs.

- 1 Academic Programs and Curriculum
- 2 Research
- 3 Campus Engagement
- 4 Civic Engagement
- 5 Human Resources and Infrastructure

- a. Facilities and Built Environment
- b. Food and Dining
- c. Procurement
- d. Wellness/Well-being
- e. Waste
- f. Transportation



Our Progress in Snapshot: Targets



28
Completed



7
Accelerated



11
Paused



8
In progress



2
Ongoing



46
Planned

Since the creation of the 10-year Sustainability Strategic Plan, UTM has been working diligently to implement the many goals and targets in the Plan. Most targets and overall goals, identified for 2020 and 2021, are completed or underway. Other targets were accelerated to seize current opportunities, while other goals have been paused due to the COVID-19 pandemic. This Plan is a living document, such that, some new targets may be added or modified in the coming years to reflect campus and community priorities. Our journey has just begun; UTM is committed to creating a culture of sustainability on campus using this Sustainability Strategic Plan as our guide.

Advancing Sustainability at UTM

			
2021 PSAC Members	# of Subcommittees	Subcommittee Membership	# of Pillars
19	7	33	5



SOCIAL MEDIA
Total Accounts Reached
Through Social Media
19,131



SOCIAL MEDIA
Instagram Posts
107



SOCIAL MEDIA
Online Followers
1,930



of Sustainability Meetings
21



STARS Rating
SILVER



Fair Trade
Campus
SILVER



SECTION 1

ACADEMICS AND SUSTAINABILITY CURRICULUM





In the fall 2021 semester, the Sustainability Office participated in ENV1103 Campus as Living Lab, where students were tasked with creating a Biodiversity Framework for the UTM campus. UTM Professor Marc Johnson graciously toured the students and their Professor Alstan Jakubiec around UTM's campus and the surrounding Credit River Watershed. Using the tour as inspiration, students worked over the fall term to research best practices and recommend a path forward for biodiversity at UTM.

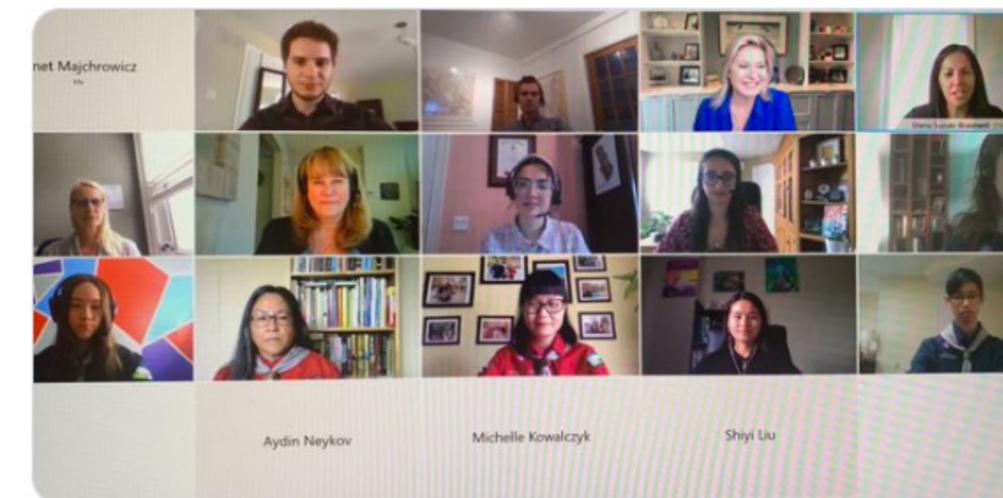
Total Courses the Sustainability Office Participated In

- GGR494 Special Topics in GIS (Fall 2021)
- ENV440 Professional Experience Course (Fall 2021)
- ENV1103 Campus as Living Lab (Fall 2021)
- ENV332 Practicum in Environmental Project Management (Winter 2021/2022)
- ENV496 Restoration Ecology II (Winter 2022)
- MUI2055 Cities Industry and the Environment (Winter 2022)

In the winter 2021 semester, Professor Tingting Zhu participated in the City of Mississauga's Climate Change Youth Challenge for the course ENV332: Practicum in Environmental Project Management. UTM's Team ALSET earned first-place in the Challenge and won an opportunity to meet with Mayor Bonnie Crombie.



Proud to meet with Team ALSET & Changing Waves, winners of #Mississauga's Climate Change Youth Challenge! It's inspiring to see youth come up with amazing ideas on how Mississauga can combat climate change. I can't wait to see what these students accomplish next! @MiLivingGreen



11:48 AM · Jun 21, 2021 · Twitter for iPhone

Certificate of Completion in Global Sustainability

Launched in fall 2021, the Certificate of Completion in Global Sustainability offers an opportunity for all UTM undergraduate students to have an education in global sustainability. This includes all aspects of the planet and human well-being covered by the United Nations' 17 Sustainable Development Goals (SDGs), including poverty, hunger, health, education, gender and social equality, clean water and energy, sustainable consumption, economic growth, climate change, environmental conservation and more.

The following four modules were offered in the winter 2022 term, with a total of 143 students participating. 324 students were waitlisted for this program, showing the high demand for access to sustainability education.

- Sustainable Consumption
- Sustainable Food Systems
- Systems Thinking and Global Sustainability
- Waste Management Systems

CERTIFICATE OF COMPLETION IN
GLOBAL SUSTAINABILITY



Highlighting UTM Academic Programs

30

the number of new sustainability orientated topics researched by MScSM students to innovate and raise awareness

50%

the increase in enrollment in the Sustainability Minor from 2020 to 2021

30

the number of summer internships successfully completed by MScSM students



UTM Going Above-and-Beyond: Case Competitions and Awards

- Congratulations to Curb the Rain for placing at the Sauga Start-up Pitch and Showcase Competition and the Rain it In Competition. In total they have won \$5,000 to fund their idea!
- Congrats to LENTE for placing as a finalist in the CECCS Innovation Prize Competition and third place win (out of 43 entries) in the RBC x Rotman Sustainable Finance Case Competition!
- Congrats to MScSM students for placing first and winning \$500 at the 2022 Rain it In Competition.
- The MScSM program hosted Indigo for their 2022 class case competition, where students were tasked with tackling circular economy innovation at Indigo, with a view to supporting the Indigo Net Zero Roadmap.
- Xi Shao, MScSM Class of 2023 student won a Sustainable Action Award
- The Energy Network, MScSM Class of 2023, earned the runner-up Sustainable Action Award
- Professor Tingting Zhu, Geography, Geomatics and Environment Department won a CECCS Faculty Grant

1

Stepping Up For Our Community

The COVID-19 pandemic sent shockwaves globally in 2020 as the world responded by physical distancing, wearing masks, and increasing public health guidelines. In 2021, it was the year to vaccinate our community, and roll out shots as quickly as possible. UTM is proud to have supported the Mississauga and greater Peel community, by hosting the region's largest vaccination clinic, in partnership with Trillium Health Partners and the Region of Peel. Administering over 335,000 first and second doses over five months at the University of Toronto Mississauga's Recreation, Athletics, and Wellness Centre (RAWC).

By hosting the vaccine clinic, UTM played a pivotal role in expediting the vaccine roll out, preventing an estimated 103 Covid-19 deaths and 6,840 new cases, according to Global News projections. Not to mention, the clinic opened at a critical time during the third wave of the pandemic, where providing access to vaccines as part of Peel's Community Mass Vaccination Plan, was not only priority, it was absolutely essential to protect the community. Therefore, as vaccine supplies increased, the clinic ramped up their efforts opening more appointments, and vaccinating more people ahead of schedule.

In tandem to stepping up for the community, the University of Toronto responded to support staff as well. From November 20th, 2020 to August 31st, 2021, appointed staff and librarians were offered three staff wellness days, paid days off work, to support staff wellness and personal well-being. The stress and emotional toll of the COVID-19 pandemic has been felt at all levels, especially on a personal one. Granting these wellness days demonstrated UofT's gratitude to staff and librarians and was very much appreciated.

Footnotes

<https://themedium.ca/a-recap-of-utms-covid-19-mass-vaccination-clinic/>
<https://thevarsity.ca/2021/03/14/utm-opens-clinic-for-covid-19-vaccinations-tri-campus-openings-discussed/>
<https://www.utm.utoronto.ca/coronavirus/covid-19-vaccination-clinic-now-closed>



SECTION 2

ENGAGING WITH OUR STAKEHOLDERS AND THE COMMUNITY



Engaging with our Stakeholders and the Community

UTM will encourage widespread campus engagement, fostering a culture of sustainability with student, staff, librarian, and faculty-driven activities. UTM will also establish local and global partnerships in teaching, research, and operations to promote best practices in communal sustainability. Our efforts throughout the 2021/2022 academic year feature a variety of programs meant to engage and involve our community.

▶ Goal 3.1 Support and promote campus engagement

- Enhance the sustainability website to coordinate an array of sustainability programs
- Publish a sustainability guide that includes tips for living and working in a sustainable manner
- Organize working group of internal depts to increase campus engagement in sustainability events

▶ Goal 3.2 Develop and strengthen internal partnerships

- Create a civic engagement guide, complete with an inventory of sustainability activities and events offered on campus
- Establish working group of internal stakeholders to encourage collaboration

▶ Goal 4.2 Develop and strengthen partnerships locally, nationally, and internationally

- Create a civic engagement guide, complete with an inventory of sustainability activities and events offered on campus
- Establish working group of internal stakeholders to encourage collaboration

People Power Challenge 2021

The People Power Challenge is a program from Partners in Project Green, that engages with students and staff of UTM to embed sustainability into their practices. Through this challenge, UTM staff and students enhance their knowledge of integrating sustainability within their workspaces and communities while making the world more sustainable. In addition, the challenge evoked conviction and passion in the participants to adapt and integrate these practices into their daily routine and take another step towards becoming truly sustainable.



Events

With in-person limitations, UTM found ways to engage students, staff, and faculty, online! Throughout the year, UTM featured signature events and keynote speakers, including the annual Sustainability Week, and Sustainability Leaders Series, featuring MP Elizabeth May.

Sustainability Leaders' Series

The MScSM Program hosted the Sustainability Leaders' Series, an annual lecture series on topics in sustainability. An opportunity to hear from world-leaders in sustainability offering insight into the complex management of economic, environmental and social interactions in business, science and beyond. This year, MP Elizabeth May had 388 dedicated listeners for her talk called "After COP26 – What now? Can we keep 1.5 alive?"



Sustainability Week 2021 and 2022

UTM celebrated Sustainability Week in 2021 and 2022. A series of primarily student-led and organized events designed to educate and encourage sustainable behaviour on and off campus. Our mission is to celebrate sustainability initiatives at UTM and to build meaningful connections among the campus community to work towards a sustainable future.

Sustainability Week brings together numerous student clubs, departments, and external organizations.

Through the submission of points, participating students raised over \$700 for the UTM Food Center.

Student clubs

- UTERN
- UTMSU
- UTM Social Justice Club
- UofT Global Kitchen
- UTM Language Studies Academic Society
- Zero Waste UTM
- SAGE
- UTMRC (UTM Residence Council)
- Thaqaayn Muslim Association UTM
- UTM Anthropology Society
- UTM Rotaract
- Psychology Association of Undergraduate Students and Erindale (PAUSE)
- UTM Psychology Talks
- Jack. Org University of Toronto Mississauga Chapter
- UofT Mental Health Association
- Enactus UTM
- Regenesi UTM

Departments and Faculties

- Health and Counseling Centre (HCC)
- Hospitality
- UTM Sustainability Office
- MScSM
- MUI
- Equity, Diversity and Inclusion Office
- Dr. M

External Partners

- Youth Challenge International
- Accelerate HER Future
- CEP Toronto
- Project Neutral
- Talk Climate to Me
- Humane Society International
- Global Sustainable Foods
- City of Mississauga

Highlights from 2022



The UTM Hospitality and Ancillary Department put together five events and resources for Sustainability Week 2022.

- Plant-Based Power with Forward Food: A Simple Dietary Shift for Your Health, the Planet, and Animals
- Second Harvest – Join the Food Rescue Revolution!
- Fair Trade at UTM: Fair Trade Canada and a variety of Fair Trade partners coming together to showcase who they are and discuss Fair Trade at UTM, in Canada, and abroad
- OZZI: The closed loop system changing the world from disposable to reusable one meal at a time
- Plant-Based Power with Forward Food: Small Changes that Make a Big Difference

45 # of registrants to the 2022 Sustainability Week for Hospitality & Ancillary Services events



The UTM Sustainability Office collaborated with Global Sustainable Foods, and the UTMSU for a panel to share with students the knowledge to grow their own produce and the importance of farming, food security and sustainability on a local and international scale.



The MScSM program hosted an alumni panel, where students had an opportunity to hear how the theme of resilience has played into all aspects of life, community, society and the environment.

Lecture ME Series!

The Lecture Me! series highlights research from different departments by UTM faculty members in a way that is approachable and fun. This multidisciplinary series features a different faculty member each month about their research. Notable presentations from the 2021/2022 academic year included:

Naming and Framing: Perceptions of Racial Group Labels. Presented by Professor **Sonia Kang**

Racial Group labels such as Black, Indigenous, and People of Color (BIPOC); white; visible minorities; and First Nations are among many terms used to categorize people in both formal and informal contexts. Although these kinds of labels are used widely, there is uncertainty around the correct or even appropriate labels to use. In this *Lecture Me!* talk, Dr. Sonia Kang shared recent research on preferences and perceptions of racial group labels.

Yoga as Development for Africa? Presented by Professor **Sarah Hillewaert**

Professor Hillewaert studies the introduction of yoga and mindfulness as new forms of development in Eastern Africa. She explores why North American yoga practitioners travel to countries like Kenya to teach yoga and mindfulness and considers how local communities respond to these new ideas. What negotiating is required for “yoga as development” projects to be successful? And what does this trend tell us about the changing stakes of humanitarianism today? Dr. Sarah Hillewaert addressed these questions in this talk.

Community-engaged Learning with a local Indigenous Community. Presented by Professor **Sherry Fukuzawa**, Professor **Nicole Laliberte** and Councillor **Veronica King-Jamieson**.

Our Community-engaged Research project by the Indigenous Action Group examines the research question: *How does a course focused on Indigenous Ways of Knowing in a context of local Indigenous placemaking affect long-term Indigenous-related cultural competencies of undergraduate students?*

Disappearing in the City: An Urban Ethnography of Missing or Murdered Indigenous Women. Presented by Professor **Jerry Flores**

This talk investigated the factors that place Indigenous women at risk of experiencing interpersonal and institutional forms of violence in large urban settings like Toronto where most Indigenous women are last seen alive and well.



UTM Student Clubs and Organizations

Sustainability Office Litter Haul Event

Re:store Order is a local, environmental initiative that aims to combat the rise of single-use packaging and products, educate the public on sustainability and help promote small, local businesses that are low waste and eco-friendly. Through a collaboration with the UTM Sustainability Office in the summer of 2021, Re:store Order introduced the Mississauga community to a competition to collect plastic and waste from the community. This virtual event was a great success.



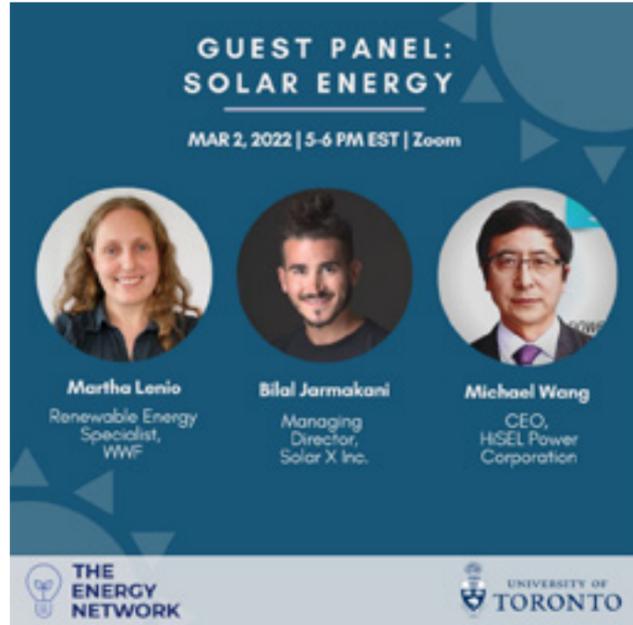
SAGE Campus Clean-up, and Plant a Tree Event

The Student Association of Geography and Environment (SAGE) is a club where students get connected and involved in the community to develop skills and educate themselves on environmental issues. In 2022, the group held two events: A tree planting initiative as well as a Campus Clean-Up to give back to the planet and embed sustainability in one's daily practices.



The Energy Network

The Energy Network, a new UTM organization with a mission to create a tri-campus energy network for all UofT students, hosted three guest-panel presentations, inviting industry experts on energy efficiency, solar energy, and carbon sequestration and capture.



Education

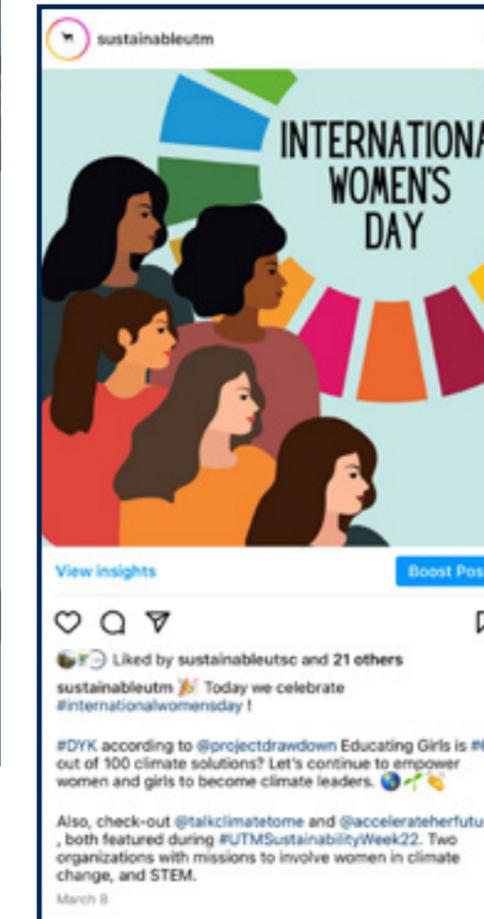


@SustainableUTM on Instagram

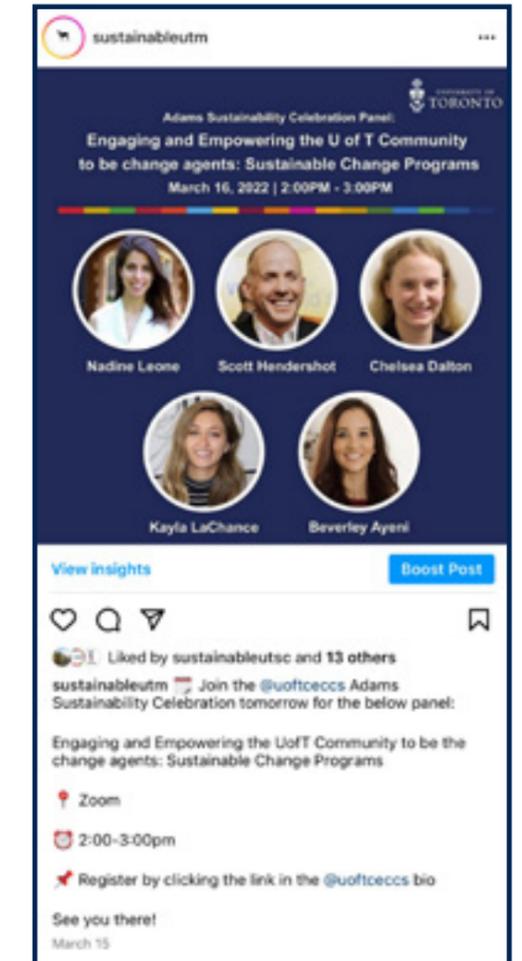
The UTM Sustainability Office is present on social media, and it is a place for all things sustainability! On our Instagram account, content includes:

- 1) Educational posts: informing the UTM community about campus initiatives,
- 2) Awareness posts: spreading the word about International and locally celebrated significant days, and
- 3) Promotional posts: marketing events and opportunities to students, staff, and faculty.

Awareness



Promotion



SECTION 3

ADVANCING SUSTAINABILITY ON CAMPUS



Advancing Sustainability on Campus

UTM will build sustainability into human resources and infrastructure management practices

▶ Goal 5.1 Meet our 2030 commitment to reduce GHG emissions

- Optimize how we produce, distribute, and consume electricity and natural gas
- Create an energy performance standard to facilitate the reduction of GHG emissions
- Establish Green Revolving Fund to support energy reduction projects
- Explore energy storage program
- Reduce building energy consumption by completing retrofits, optimizing building systems, and designing to standards with superior performance in energy and carbon intensity
- Incorporate clean and renewable energy in buildings

▶ Goal 5.2 Fulfill our commitment for green design and construction

- Publish capital planning documents that reflect our green commitment in future builds

▶ Goal 5.3 Implement Program in Scope 3 Emissions Reduction

- Establish guidelines for work related travel at UTM

▶ Goal 5.4 Protect UTM's natural habitat

- Assess campus spaces for vulnerable and endangered species in collaboration with students and Facilities Management team
- Evaluate best practices for salt use
- Leverage UTM's Campus Master Plan into a roadmap for landscape and storm water management
- Apply a sustainability lens in salt use for campus operations

▶ Goal 5.5 Reduce Food Waste

- Train employees on proper sorting techniques for all kitchen waste
- Perform annual waste audits to determine diversion rate and ensure compliance

▶ Goal 5.7 Support on-campus food production

- Evaluate best practices for campus farms and gardens
- Add a self-contained farm on campus to provide food for UTM cafeterias

▶ Goal 5.9 Recognize outstanding sustainability work

- Implement and celebrate the Principal's Staff Awards for Sustainability

▶ Goal 5.10 Adopt a community of care model

- Include a sustainability component in onboarding and recruitment documentation
- Promote the People Power Challenge to increase sustainability engagement for staff
- Analyze how best to connect sustainability with student wellness

▶ Goal 5.11 Implement flexible work arrangements

- Determine strategy to implement flexible work in practice
- Create an advisory group to discuss and evaluate flexible work arrangements

▶ Goal 5.12 Collaborate to increase campus awareness of well-being

- Identify leaders from across campus to ensure appropriate working group representation
- Organize working group to create an action plan on sustainability-driven health and well-being

▶ Goal 5.14 Enhance communications, outreach, and engagement

- Initiate and encourage the Green Office Engagement Program for staff, faculty and librarians

▶ Goal 5.15 Reduce reliance on single occupancy vehicles

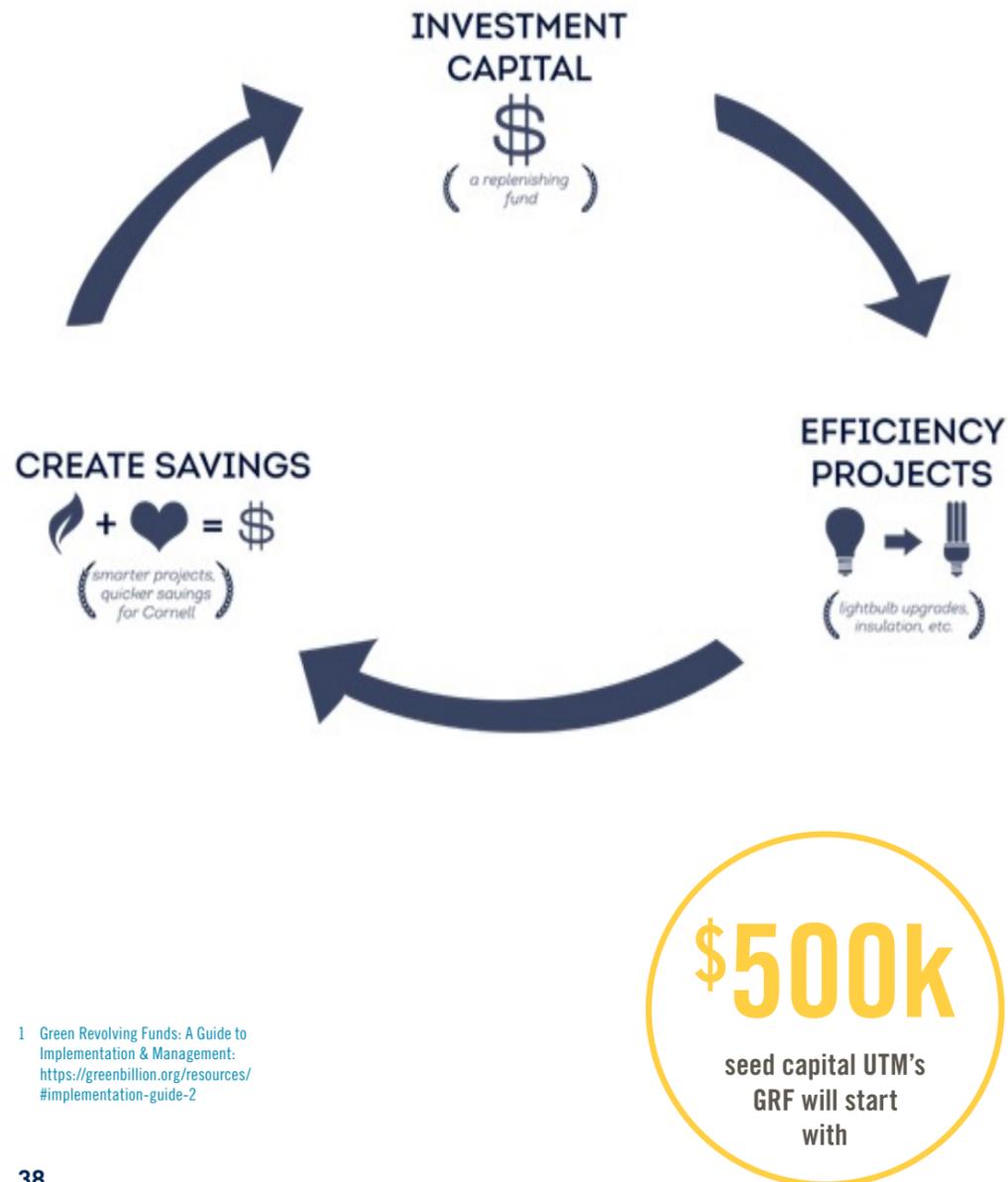
- Survey campus commuters to determine baseline data for single occupancy vehicle use
- Improve the shuttle bus service in comfort and availability
- Enhance Bike Share program: e.g., create an online presence for reservations; increase number of bikes available
- Investigate feasibility of bike lanes, bike lockers, and other cycling infrastructure in UTM's master plan

▶ Goal 5.16 Support sustainable transportation with long-term strategy

- Organize a committee to determine long-term strategies for sustainable transportation

Financing Sustainability: Green Revolving Fund

A Green Revolving Fund (GRF) is an internal fund to UTM that provides financing to implement energy efficiency, renewable energy, and other sustainability projects that generate cost savings. These savings are tracked and used to replenish the fund for the next round of green investments. The GRF provides benefits beyond one-time investments, including promoting hands-on learning, enhancing reputation, and building the business case for sustainability initiatives.¹ The UTM GRF was approved and operationalized in Q4 of 2021.



¹ Green Revolving Funds: A Guide to Implementation & Management: <https://greenbillion.org/resources/#implementation-guide-2>

Thermal Energy Storage System

A thermal energy storage (TES) system was investigated during conceptual design phase of the Utilities Master Plan to provide energy cost savings by reducing peak electrical demand under the current Class-A global adjustment electricity tariff structure. The economic feasibility of a TES system was investigated for the chilled and hot water systems to be charged during off-peak hours and discharged during times of peak electric use. The fully electrified hot water system was found to be the most economically feasible application for thermal energy storage. The proposed TES storage tank provides an estimated 30% reduction on projected 2045 future campus electricity demand, reducing campus energy cost by an estimated \$ 1.6 million per year. Based on preliminary cost estimates the simple payback on the system is under 4 years. Energy cost savings are estimated based on the current tax structure, which is expected to change in the future. The economic feasibility will be re-evaluated as the current Central Utilities Plant undergoes electrification between 2035 and 2045.



Spotlight on the Hospitality and Ancillary Department

UTM's Hospitality and Ancillary Department continues to show their dedication to integrating sustainability into their operations and seeking opportunities to be innovative and sustainable. Hospitality initiated UTM becoming a Silver Fair Trade campus in 2019 - the first campus to earn this designation in Canada, implementing reusable dishware, and containers through the OZZI program, harvesting on-campus honey, and vegetables from hydroponic vertical growing towers. In 2021, 651 kgs of honey was harvested by UTM bees, 158 kg of produce harvested by Colman Commons vertical farm, and 2,720 OZZI containers were used at Colman Commons and the Food Court, diverting what would have been single-use take out containers. Lastly, a self-contained farm arrived on campus!

OZZI

Reusable Container Program implemented by Hospitality and Ancillary Services to offer a reusable takeout container for food purchases

2,720

number of OZZI reusable containers used. Each OZZI can be used up to 300 times, greatly reducing waste created by recyclable and compostable alternatives

158

kgs of produce harvested by Colman Commons vertical farm

kgs of honey harvested by UTM bees

651



Piloting New Waste Bins

UTM has taken the first step of bringing new waste and recycling bins to campus to help us achieve this goal. The new bins have 4 streams: landfill; paper recycling; container recycling, and organics. The bins have been set up in 3 buildings on campus as a pilot project, with plans to expand to all buildings on campus in the coming months once occupancy increases.

The Residence Sustainability Committee

The Residence Sustainability Committee (RSI) is comprised of students in residence with a shared interest in building a healthy planet. Through facilitation of programs and events, RSI educates students on sustainability issues on a local and global scale to live a more sustainable lifestyle. Using a student-centered lens, RSI adopts an inclusive perspective to sustainability and advocate for change in people's lifestyle. Some of RSI's events in 2021-2022 include a food and clothing donation drives in collaboration with Campus Safety, co-facilitating a nature walk, and hosting a 'Waste Week' to educate residence students on sustainable waste management practices.

Part of RSI's portfolios include the Residence Garden located in MaGrath Valley, which grows a variety of vegetables, herbs, fruits, and wildflowers. The Residence Garden is tended to by a group of students who are passionate about gardening and caring for the earth.

The RSI is an opportunity for students to gain leadership and teamwork experience, challenge the status quo, make a positive impact in residence, and have fun!

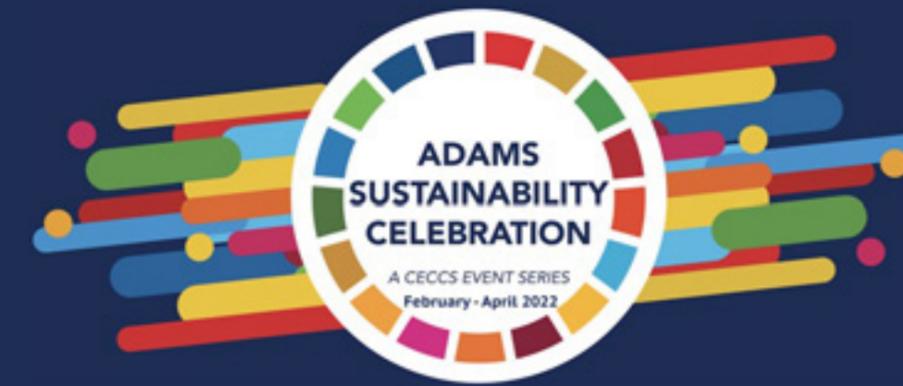
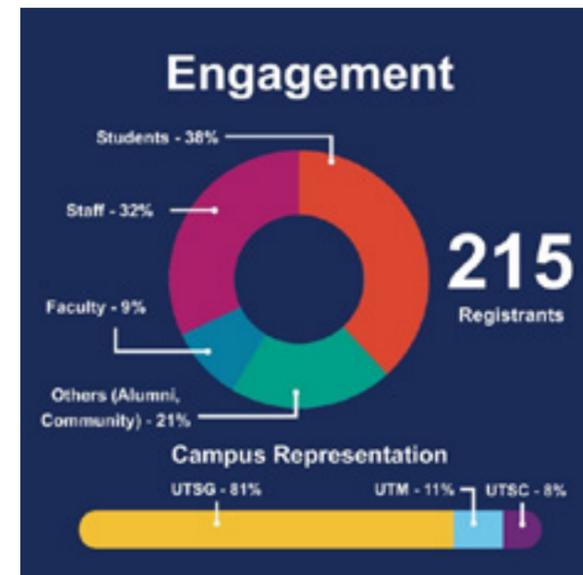
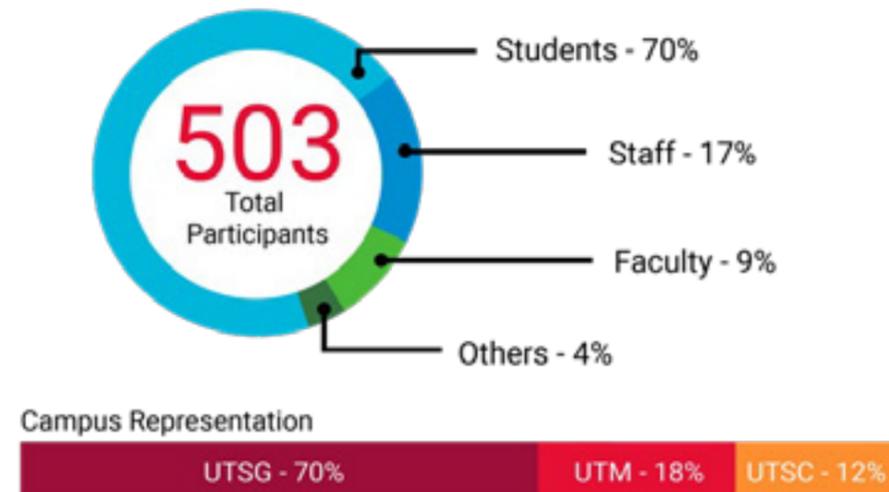


Collaboration and Partnerships

Committee on the Environment, Climate Change and Sustainability: 2021 and 2022 Adams Sustainability Celebration

The Adams Sustainability Celebration is an event hosted by the Committee of Environment, Climate Change and Sustainability (CECCS) as a tribute to the growing community of students, staff, and faculty at the University of Toronto. This event series celebrates the success of projects, inspires students and staff, and deepens campus engagement around sustainability. The event aims to recognize achievements on sustainability-related projects and programs to mobilize all community members. Additionally, the CECCS presents grant opportunities for students, staff, and faculty to advance their research and innovation in the sustainability arena. The event was held virtually in 2021 and 2022.

2021 and 2022 Total Attendees



2021



2022



2

The New Science Building

Set for completion in 2023, UTM's Science Building will be a landmark for green building and design. The building will be home to the Centre for Medicinal Chemistry, the forensic science program, wet labs, and a computing data center. It is projected to be one of the most energy-efficient laboratory spaces in North America, performing more than 50% better than ASHRAE 90.1 - 2013 energy targets.

The building will also include approximately 180 geothermal boreholes at average 320 feet deep, and a 250-kW solar photovoltaic system will be installed to offset some of the building's electrical demand. In addition to including a variety of operational efficiencies and environmental best practices, the building will also include a green roof and space for lots of natural light, improving the user experience and well-being for patrons. The building truly embodies all three spheres of sustainability and applies them holistically.

Footnotes

<https://magazine.utoronto.ca/campus/u-of-ts-path-to-a-low-carbon-future-begins-deep-below-kings-college-circle/>
<https://kierantimberlake.com/updates/new-science-building-will-be-an-exemplar-of-efficiency>
<http://www.walshgroup.com/ourexpertise/building/education/universityoftorontomississauga/newsciencebuilding.html>

Sustainability Office personnel stopped by the NBS construction site

250

number of kW solar photovoltaic system installed

180

number of geothermal boreholes approximately 320 ft deep





Looking Ahead

Plans for 2022-2023

The achievements highlighted over the past year are a testament to the collaborative efforts between UTM's students, staff, librarians, faculty, and external partners. As our academic year comes to a close, we can look back and celebrate our accomplishments despite the challenges that the Covid-19 pandemic brought upon us. Those challenges gave birth to our new brand, Defy Gravity, which instills hope, optimism and humanity in our journey forward. Defy Gravity underpins our motivations as our campus continues to embrace community, creativity, communication, innovation, and sustainability in the work we do. Each year our culture of sustainability is strengthened as we work diligently towards implementing the goals and targets outlined in the Sustainability Strategic Plan. We are incredibly grateful for everyone who has embodied this culture, and we welcome the UTM community to get involved in supporting the Sustainability Strategic Plan to help build a sustainable future for all.

Ahmed Azhari

Director, Utilities & Sustainability
Director, Building Operations (Interim)

Beverley Ayeni

Sustainability Manager, Strategic Initiatives

Thank you and Acknowledgements

PSAC members

1. Ahmed Azhari; Director, Utilities & Sustainability, Interim Director, Building Operations
2. Anita Srinivasan; Director, Academic Planning, Policy and Research
3. Barbara Murck; Professor, Teaching Stream, Geography, Geomatics and Environment
4. Beverley Ayeni; Sustainability Manager, Strategic Initiatives
5. Brent Wood; PhD, Sessional Lecturer, Creative Writing
6. Chad Nuttall; Assistant Dean, Students & International Initiatives
7. Claire Westgate; Manager, External Partnerships & Communications, IMI, Placement & Employer Relations Manager, MScSM Program
8. Evonne Levy; Professor of Renaissance and Baroque Art and Architecture
9. Hana Lapp; Climate Change Coordinator, City of Mississauga
10. Luke Barber; Interim Executive Director, Facilities Management and Planning, Executive Director, Information & Instructional Technology
11. Muhammad Murtaza; PEYA Executive
12. Rhonda McEwen; Vice Principal, Academic and Dean
13. Samantha Dilorio; Sustainability Coordinator
14. Shashi Kant; MScSM Director
15. Susan Senese; Interim Chief Administrative Officer (CAO)
16. Vibhor Rohatgi; MScSM Student, Class of 2022
17. Vicky Jezierski; Director Hospitality & Ancillary Services
18. Vivien Luu; Sustainability Coordinator UTMSU

Subcommittee members (2021/2022 Academic Year)

1. Ahmed Azhari; Director, Utilities & Sustainability, Interim Director, Building Operations
2. Andrea De Vito; Assistant Director, Retail Services & Administration
3. Anita Srinivasan; Director, Academic Planning, Policy and Research
4. Barbara Murck; Professor, Teaching Stream, Geography, Geomatics and Environment
5. Beverley Ayeni; Sustainability Manager, Strategic Initiatives
6. Brent Wood; PhD, Sessional Lecturer, Creative Writing
7. Brian Hoppie; Manager, Parking & Transportation Services
8. Chad Nuttall; Assistant Dean, Students & International Initiatives
9. Claire Westgate; Manager, External Partnerships & Communications, IMI, Placement & Employer Relations Manager, MScSM Program
10. Diana Aldaz; Sustainability Projects & Engagement Coordinator
11. Diana Dai; Graduate Student
12. Evonne Levy; Professor of Renaissance and Baroque Art and Architecture
13. George Baldwin; Director, Building Operations
14. Hana Lapp; Climate Change Coordinator, City of Mississauga
15. Hana Yusuf; HR Advisor, Projects and Analytics
16. Jayden Kuzdak-Hubbs; Graduate Student
17. Kaveh Shahrooz; Director of Partnerships and Legal Counsel
18. Lauren Ead; Graduate Student
19. Luke Barber; Interim Executive Director, Facilities Management and Planning, Executive Director, Information & Instructional Technology
20. Megan Evans; Assistant Director, Hospitality Operations
21. Michelle Atkinson; Community Engagement Coordinator
22. Monika Havelka; Associate Professor, Teaching Stream; Director, Programs in Environment, Dept of Geography
23. Muhammad Murtaza; PEYA Executive
24. Noha Farawi; VP Equity, UTMSU
25. Nythalah Baker; Director, Equity, Diversity, & Inclusion
26. Rachel Alt; Department Administrator, Department of Geography, Geomatics and Environment
27. Samantha Dilorio; Sustainability Coordinator
28. Shashi Kant; MScSM Director
29. Tammy Cook; Executive Director, Facilities Management & Planning
30. Vibhor Rohatgi; MScSM Student, Class of 2022
31. Vicky Jezierski; Director Hospitality & Ancillary Services
32. Vivien Luu; Sustainability Coordinator UTMSU
33. Yen Du; Manager, Academic Programs, Reviews & Quality Assurance

