

WE ARE SUSTAINABILITY

HUMBER SUSTAINABILITY

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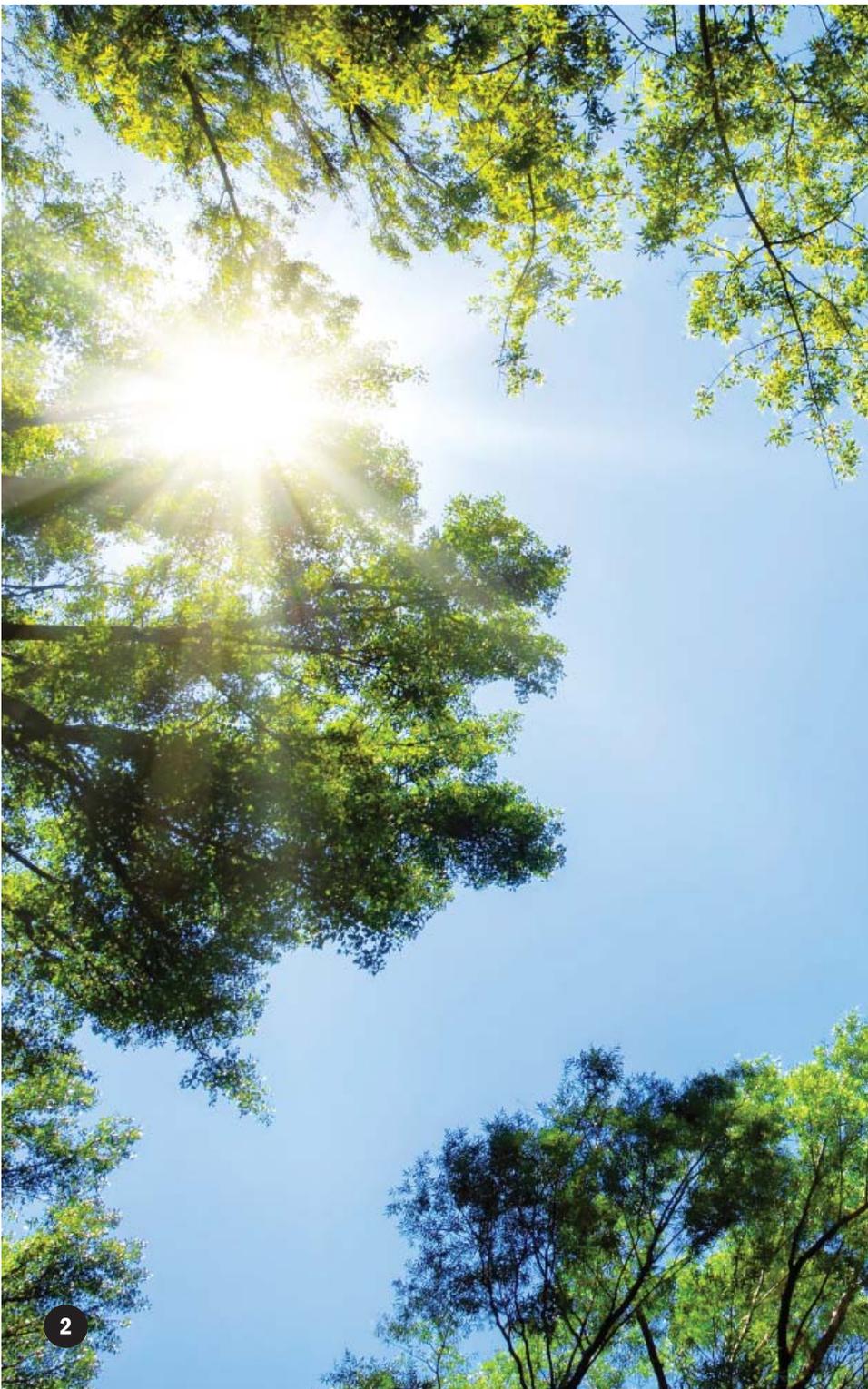
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ENVIRONMENTAL IMPACT SAVINGS

Humber leads by example. This publication only comes in PDF format to reduce paper waste.

WE ARE BUILDING A BETTER TOMORROW

HUMBER
SUSTAINABILITY
REPORT
2014–2015



ENERGY AND CLIMATE

Objectives: To reduce the college's energy needs and carbon emissions. Be one of the most energy-efficient postsecondary institutions in Canada.

Released Energy and Water Conservation and Demand Management Plan 2014-2018, committing the college to the following targets by 2018/2019*:

- ✓ Reduce total energy use per sq. ft. by 40%
- ✓ Reduce CO₂ emissions intensity by 40%
- ✓ Reduce total water use per student by 40%

*below 2005/2006 levels

Highlights of energy-efficiency projects in 2014:

- ✓ **Lakeshore Cottages** – retrofitted recessed lighting to high efficiency LED which is expected to yield over \$11,000 energy and \$46,000 maintenance savings
- ✓ **Carrier Drive** – retrofitted various lighting to high efficiency LED leading to combined \$15,000 energy and \$20,000 maintenance savings



Accessible public transit and bicycle racks contribute to reducing CO₂ emissions.



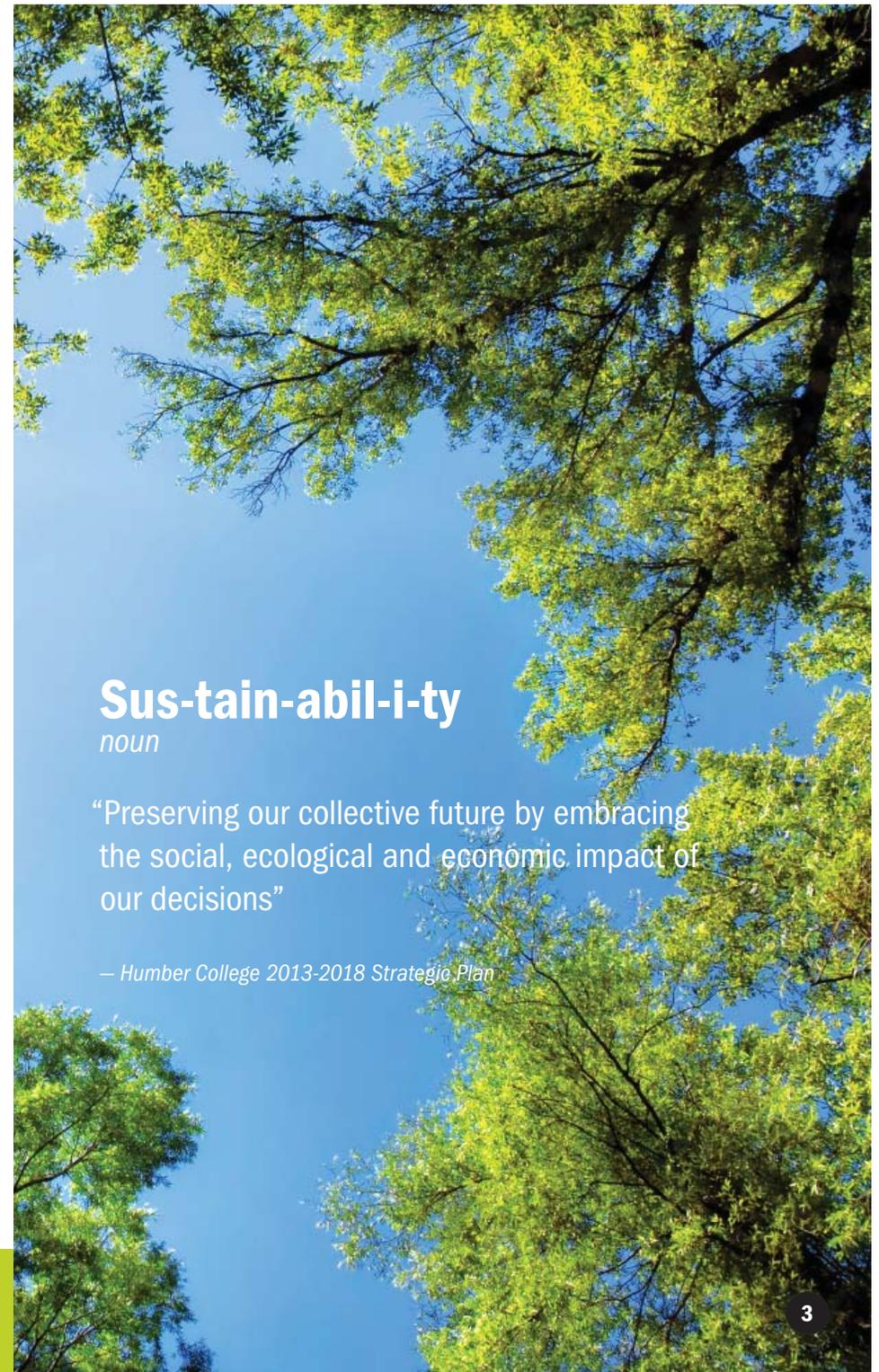
OUTREACH AND AWARENESS

Objective: To develop a culture of sustainability on campus which promotes engagement, health, safety, social equity and well-being.

- ✓ Formed Humber's Community Engagement in Sustainability Coordinating Committee. The committee is responsible for interpreting the community engagement goals included in the Humber Sustainability Plan 2014-2019, making recommendations that relate to community engagement; outreach; communications and investments; and communicating new sustainability initiatives and programs across all of Humber's campuses



Humber Sustainability staff reaching out to students at an Orientation event.



Sus-tain-abil-i-ty

noun

“Preserving our collective future by embracing the social, ecological and economic impact of our decisions”

— Humber College 2013-2018 Strategic Plan



CURRICULUM AND RESEARCH

Objective: To lead the integration of sustainability concepts into teaching and learning inside and outside the classroom.

- ✓ Formed Academic Sustainability Committee to coordinate Humber's efforts to increase knowledge of sustainability within the college's academic areas
- ✓ The *Bringing Nature to Life* project converted a traditional plastic and steel playground at one of Humber's Child Care Centres into an outdoor learning environment for young children. The initiative also serves as a research facility where students can study the impacts of natural outdoor educational spaces on early childhood development.
- ✓ Aqua Greens, an aquaponic food production venture founded by students in Humber's Sustainable Energy and Building Technology program, received \$20,000 in funding from the LaunchPad competition in 2014



Craig and Pablo, co-founders of Aqua Greens. Funding from Humber helped open the doors to Aqua Green's locally-grown organic produce and herb storefront in January 2015.

ABOUT HUMBER

Humber College Institute of Technology and Advanced Learning, a member of Polytechnics Canada, was established in 1967 and features three campuses: North, Lakeshore and Orangeville. With 160 full-time and 200 continuing education programs, Humber's 27,000 full-time and 56,000 continuing education students have access to many opportunities for lifelong learning. The recently established [Humber Sustainability Plan 2014-2019](#) will guide the college's actions related to environmental, social and economic aspects. In all areas, from transportation to curriculum, Humber will lead the way in creating a more sustainable future.



GREEN BUILDING AND LANDSCAPES

Objective: To be recognized as a leader in building flexible, multi-use spaces which are sustainable in construction, and enhance a connection to and care for the surrounding environment.

Humber continued to integrate sustainable practices into new building construction and major renovation projects in 2015:

- ✓ **The Learning Resource Commons**, approx. 260,000 sq. ft. designed to LEED Silver standard. The new building will include 100 kW of solar photovoltaic, a green roof, as well as energy-efficient lighting and HVAC
- ✓ **Building F Expansion**, approx. 38,000 sq. ft. will include 30 kW of solar photovoltaic



Solar panels and green roof of the Humber Learning Resource Commons building.



OUR VISION

**HUMBER: SUSTAINABLE
IN EVERYTHING WE DO.**



OUTSIDE THE CLASSROOM

Objectives: To embed sustainability into student life and campus culture; demonstrate leadership through co-curricular programming; and engage students outside the classroom in conversations about sustainability.

- ✓ Hosted an information session on environmentally responsible paper use and printing practices
- ✓ David Suzuki's Blue Dot Tour – co-hosted by The National Film Board of Canada, the David Suzuki Foundation and Humber – came to the college. The virtual discussion engaged 130 classrooms across Canada in a conversation about the impact modern farming practices have on our health, land and food security
- ✓ The Business School hosted the inaugural Sustainability Talks Conference, bringing together individuals and companies who succeed economically while embracing sustainability holistically
- ✓ Humber Earth Week 2014 featured keynote speaker Derek Forgie's "Inside the Bottle" presentation that educated participants about the bottled water industry



David Suzuki Blue Dot Tour 2015 stopped at Lakeshore Campus on October 6, 2014.



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PROCUREMENT

Objective: To minimize the environmental, social and economic impacts of our purchasing practices by embedding sustainability into sourcing procedures, supplier evaluation criteria and procurement decisions.

- ✓ Humber set a standard to purchase Forest Stewardship Council-certified (FSC) copy paper with a minimum of 50 per cent post-consumer waste content
- ✓ Participated in the Public Purse Procurement (3P) Mentorship Program, which launched a campus-wide conversation about integrating local, sustainable food into Humber's food service, culinary program and curriculum. Humber food services contracts now include a minimum of 30% locally sourced food.
- ✓ Printing contracts now include the calculation and documentation of environmental impact savings, such as the number of trees and greenhouse gas emissions saved



Conversation started on how to integrate local, sustainable food into Humber's food services.





RECYCLING AND WASTE MANAGEMENT

Objective: To reduce the volume of waste generated and sent to landfill as a result of campus operations.

- ✓ Waste diversion (the amount that is reused or recycled) has increased from 42% in 2012 to 54% in 2014
- ✓ Internal waste diversion program was expanded to include HVAC filters, diverting almost 2,000 filters from going to landfill
- ✓ More than 20 student Sustainability Ambassadors were hired in Fall 2014 to promote waste reduction awareness and recycling to campus users
- ✓ New water refill stations installed throughout North and Lakeshore campuses diverted over 279,000 plastic bottles from landfill
- ✓ Despite 4.1% enrolment growth, Humber reduced paper consumption by 180 cases or 900,000 pages, resulting in more than 11 large pine trees saved



On-campus trash stations encourage the separation of recyclables from waste.

SUSTAINABLE TRANSPORTATION

Objective: To help students, staff and faculty reduce the impact our transportation has on our local communities.

- ✓ Implemented Smart Commute carpool matching program and preferred carpool parking
- ✓ Hosted Humber's first TTC Post-Secondary Photo ID event, where more than 550 students got a TTC Photo ID
- ✓ Continued promoting cycling by offering secure bicycle storage and installing bike repair stations at North and Lakeshore campuses



Reserved carpool parking outside the Learning Resource Commons building at North Campus.