

# The SDG Accord

*The University and College Sector's Collective Response to the Global Goals*



# HUMBER



**Integration of SDGs in**

- Institutional governance/strategic level
- SDGs in research
- SDGs in campus operations
- SDGs in curriculum development
- SDGs in student engagement activities
- SDGs into community activities
- SDGs at a whole-institution level

### **Focus on**

- Goal 1 - No poverty
- Goal 2 - Zero hunger
- Goal 3 - Good health and wellbeing
- Goal 4 - Quality education
- Goal 5 - Gender equality
- Goal 6 - Clean water and sanitation
- Goal 7 - Affordable and clean energy
- Goal 8 - Decent work and economic growth
- Goal 9 - Industry, innovation and infrastructure
- Goal 10 - Reduced inequalities
- Goal 11 - Sustainable cities and communities
- Goal 12 - Responsible consumption and production
- Goal 13 - Climate action
- Goal 14 - Life below water
- Goal 15 - Life on land
- Goal 16 - Peace, justice and strong institutions
- Goal 17 - Partnerships for the goals

### **Summary:**

The Humber Cultural Hub (HCH), currently under construction at the Lakeshore Campus, is one of the most sustainable developments in Canada. The HCH is part of an ongoing revitalization of our Lakeshore Campus and will form an exciting new destination for arts and entertainment programs and festivals in west Toronto. This 365,000 sq. ft. landmark building will transform education for the entertainment and creative industries by enabling unique opportunities for students, faculty, community and industry engagement.

The construction of the HCH is a two-phase redevelopment of a core element of Humber College's Lakeshore Campus located in South Etobicoke, Ontario, Canada. The first phase – currently underway and to be completed in Spring 2024 – includes the construction of a 250,200 sq. ft. building featuring a 140-seat Recital Hall to be used primarily for academic purposes, specialty teaching spaces for arts and cultural programs and a 300-space student residence addition. The second phase, scheduled for completion in 2026, will include features such as a 500-seat Performance Hall and Amphitheatre. These are designed for immersive experiences, and purpose built for acoustical and technical quality to present a single performance to large ensembles; as well as dance and theatre productions; guest lectures; industry and multimedia presentations; film screenings; and complex, multi-disciplinary, non-traditional shows.

The HCH will attract business, create jobs, and enrich the local economy. It will benefit and support the area's culturally underserved communities by offering accessible, high-quality spaces where students, artists, creative industries and community arts organizations can teach, perform and exhibit their work.

### **Outline the 3 key benefits of integrating this theme:**

- 1.** The building will be highly sustainable and energy-efficient, that will meet or exceed current sustainability standards including LEED Platinum certification, Toronto Green Standard, and CAGBC Zero Carbon Building Standard. Humber has adopted a passive design approach that uses the building architecture to maximize occupant comfort and minimize energy use. Environmental goals will be achieved through state-of-the-art, automated and highly efficient building systems including HVAC, lighting and water management systems. In addition, the building incorporates "mass timber" construction, a more sustainable and lower carbon building material. The completed building will be among the lowest energy use buildings of its size and complexity in Canada, serving as a new benchmark for future buildings.
- 2.** The HCH will provide students with hands-on learning opportunities through the design and construction phases, giving students the real-world training, skills and expertise, they need to meet current and evolving industry demands. The resource-rich environment will include reconfigurable, technology-enhanced classrooms, labs, study and workspaces which will and support a full spectrum of learning, creative and performance activities. The building has already become a "living laboratory" for instructing students in sustainable construction practices and efficient operation. As a polytechnic institution we embed experiential learning opportunities for our students in much of what we do. Currently, Humber students are using the HCH construction project as a basis for 3D animation explorations. Once the building is completed, we will leverage many visible sustainability elements on the interior and exterior of the building, so that students can work with faculty on multi-disciplinary teams to design and test innovative ideas and solutions to real-world sustainability issues, preparing them to shape the future of sustainable building design. Indigenous design elements are woven throughout the HCH, and the Indigenous Classroom and Indigenous Residence Lounge will be unique features of the Cultural Hub, offering culturally immersive experiences for students.
- 3.** The HCH will create a space to facilitate collaboration between Faculty of Media & Creative Arts (FMCA) programs. FMCA hosts the most comprehensive mix of media, arts and interaction design programming of any polytechnic institution in Canada. Disciplines that usually sit in separate Faculties in other institutions, domestic and abroad, are together in FMCA – appealing to international industry, community and academic partners. Beyond this, the HCH will host several state-of-the-art spaces that will elevate Humber to compete at the international level.

### **Outline the barriers or challenges encountered in integrating this theme and how you overcame these:**

- 1.** The HCH project experienced supply chain disruption and scheduling delays due to the COVID-19 pandemic. However, the HCH project team instituted a unique just-in-time delivery strategy to buffer the supply chain impacts brought upon by the COVID pandemic, accounting for cross-country delivery logistics, and on-site material management to ensure continuous material install. Through IPD partnerships, advanced material manufacturing, and a progressive value-based

design approach, the HCH team demonstrated their strong commitment to advancing the sector through low-carbon, high-productivity construction.

**2.** The HCH development is being constructed using an innovative delivery model known as Integrated Project Delivery (IPD). IPD is relatively new to Canada, a project delivery approach with a focus on LEAN processes to optimize project results, increase value, reduce waste, and maximize efficiency through all phases of design, fabrication, and construction. While there can be many benefits to using the IPD model, its new adoption in Canada has created challenges for all parties attempting to diverge from industry status quo, especially on such a large-scale project. The IPD partners have moved forward with significant understanding, ingenuity and flexibility to maintain the project's objectives and goals within budget.

### **Please outline your conclusions and recommendations to others:**

As we complete the HCH, the IPD process will continue to keep all on track and ensure everyone continues to support the achievement of our shared goals. The first phase to be completed in Spring 2024, and the second phase set to be completed in 2026. Throughout this process, we will apply for recognition of the highest sustainable building standards, including LEED Platinum, Net Zero Energy and Carbon and the Toronto Green Standard.

Excitement about HCH and its impact builds in the arts and culture community, and we plan to support this by creating an industry advisory council and bilateral relationships with arts and culture leaders locally and internationally. This will bring insights of some of Canada's top artistic leaders and creators, critical to shaping programming once the HCH opens and will support the expansion of high-quality arts and culture opportunities outside of Toronto's downtown core.

See HCH video here: [Humber Cultural Hub - Sustainable Features](#)

See HCH webpage here: <https://humber.ca/culturalhub/community>