

PROPOSED INVESTMENT STRATEGY: A University and a Centre for Education, Innovation and Collaboration



CITY VISION

Council has a **vision** to bring a University to Brampton, to **transform** the Downtown.

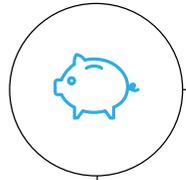
RYERSON + SHERIDAN

Two leading institutions with a reputation for innovation, applied learning and city and community building.

BE FUTURE READY...NOW

Now is the time to invest in the future of Brampton, demonstrate leadership and commitment to a connected city that is innovative, inclusive and bold – to a centre for education, innovation and collaboration.

KEY DATES



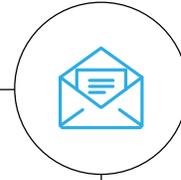
OCTOBER 26, 2016

Province of Ontario announced funding for a university facility in Brampton.



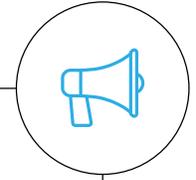
MARCH 14, 2017

Province announced that Ryerson University, in partnership with Sheridan College, submitted an application to establish a new facility in Brampton.



EARLY FALL 2017

Ryerson will submit final proposal to Province.



LATE FALL 2017

Province will announce details.

PROGRESS

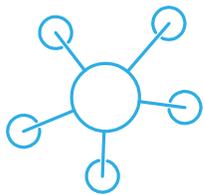


JUNE 2017

Province, Ryerson + Sheridan and Brampton steering committee formed.



Strategic alignment of Brampton's vision.



Continued discussions with Brampton Library, school boards, and Region of Peel.



SEPTEMBER 5, 2017

All day design charrette with the President of Ryerson + Sheridan, Provosts, and CAO of Brampton.

WATERLOO UNIVERSITY,
DOWNTOWN KITCHENER



RYERSON UNIVERSITY
711-5
DOWNTOWN TORONTO



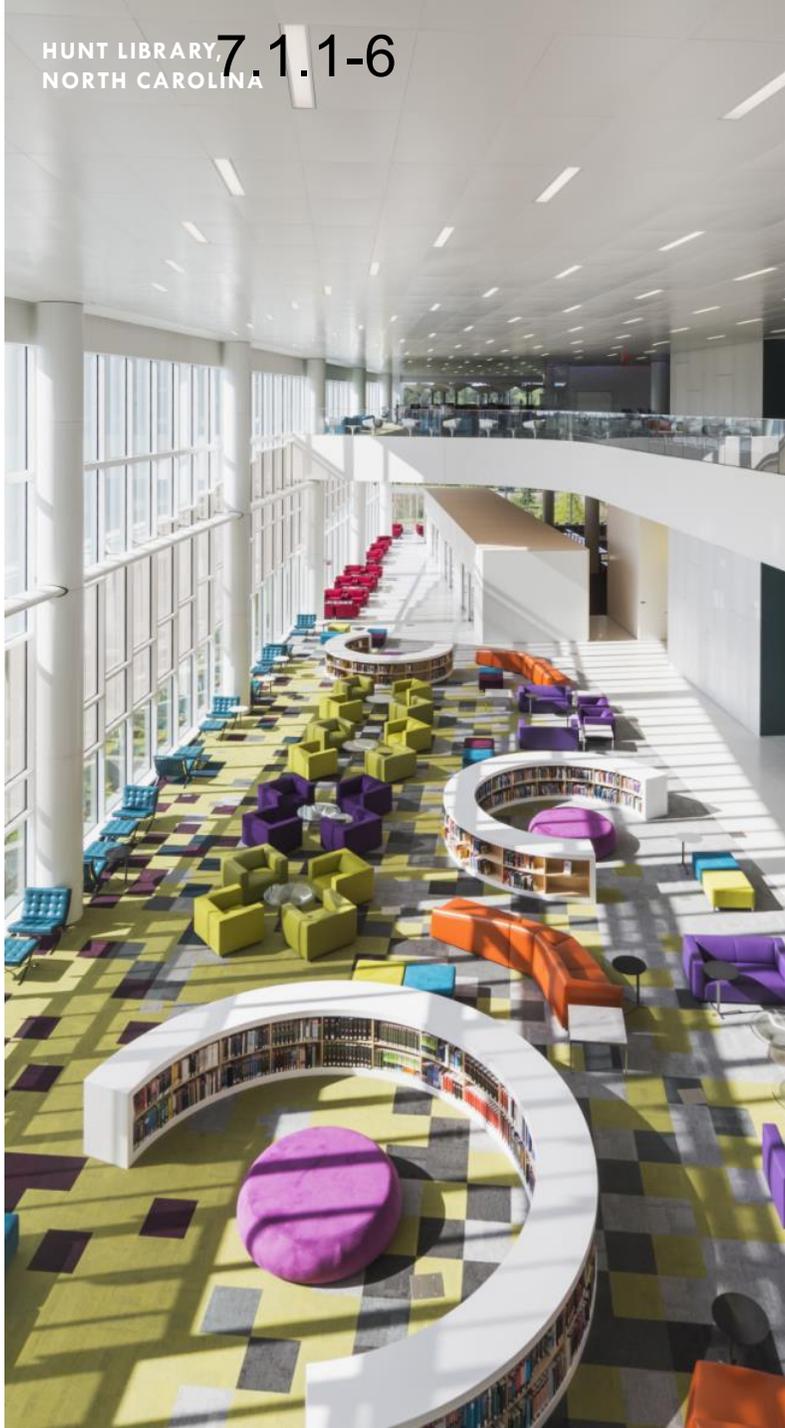
MCMASTER UNIVERSITY,
INNOVATION PARK

COMMUNITY INVESTMENT EXAMPLES

Municipal investments in
transformation and in community.

COMMUNITY INVESTMENT EXAMPLES

Municipal investments in transformation and in community.



A CITY INVESTMENT

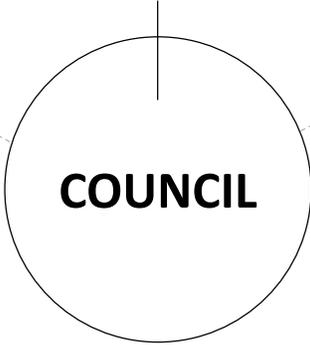
UP TO
\$50M
OVER 10
YEARS

**TOWARDS A UNIVERSITY
& COLLEGE PARTNERSHIP**

Downtown transformation and city-wide benefits, subject to final proposal details, controlled by performance measures and outcomes.

An opportunity to show leadership, invest in the vision and the future.

FUTURE READY



MOU developed and implemented, report back on options, outcomes, impacts, and continued advocacy.

UP TO
\$100M

**TOWARDS COMMUNITY
INFRASTRUCTURE**

Shared space for community, business, students. A new downtown library. Collaboration for innovation, entrepreneurs, incubators and cultural programs.

7.1.1-8

THE RETURN ON INVESTMENT

DOWNTOWN TRANSFORMATION...
...BRAMPTON-WIDE BENEFITS

\$3 TO \$7 RETURN
ON \$1 INVESTED IN LIBRARY SERVICES

INSPIRING SPACES



A JOB-READY WORK FORCE



OPPORTUNITIES FOR NEW AND EXISTING BUSINESSES



\$220M
ON-GOING ECONOMIC IMPACT*

YOUTH EMPLOYMENT

INNOVATIVE PROGRAMMING

1500 JOBS
ON-GOING IMPACT*

\$18.3 M
VISITOR SPENDING/ANN.



* Based on 5,000 student enrolment

7.1.1-9

VISION

A unique centre of education, innovation and collaboration. An opportunity to commit to the future.

PARTNERSHIP

Partnerships with Ryerson, Sheridan, senior government, Private Sector investors.

TRANSFORMATION

For the Downtown, for Brampton, for Bramptonians.



Ryerson
University

Sheridan

 Ontario

 **BRAMPTON**
Flower City

Date: 2017-08-28

Subject: **Proposed Investment Strategy: University and Centre for Education, Innovation and Collaboration**

Contact: Robert Seguin, Advisor to the CAO, Office of the Chief Administrative Officer 905-874-2041 and Michelle McCollum, Senior Manager, Strategic Development, Office of the Chief Administrative Officer 905-874-5333

Recommendations:

1. THAT the report from Robert Seguin, Advisor to the CAO, Office of the Chief Administrative Officer and Michelle McCollum, Senior Manager, Strategic Development, Office of the Chief Administrative Officer dated August 28, 2017, to the Committee of Council meeting of September 6, 2017 re: **Proposed Investment Strategy: University and Centre for Education, Innovation and Collaboration** be received;
2. THAT Council endorses, in principle, an investment of up to \$150M as follows:
 - Up to \$50M over 10 years, into a post-secondary facility led by Ryerson University in Downtown Brampton, subject to final proposal details, performance measures and outcomes, and in addition to proposed Provincial funding;
 - That Council endorses, in principle, up to \$100M, into a joint-use Centre for Education, Innovation and Collaboration in Downtown Brampton;
3. THAT staff prepares a report identifying final proposal details, proposed funding, business case analysis, and the key results for Brampton residents and business community, for further consideration by City Council; and
4. THAT staff be directed to prepare a Memorandum of Understanding (MOU) outlining details of the partnership, commitment of each partner, and establishing a process for measuring the impact of the municipal investment.

7.2.1-2

Overview:

- In November 2015, Urban Metrics prepared a report for the City of Brampton titled “Economic Impact Statement, Major University Capacity Expansion – City of Brampton, Ontario.”
- The report identifies that “A financial contribution from the City of Brampton towards securing a new university campus will have significant, transformative impacts on the entire community. A new campus provides an opportunity to improve the lives of students and families and provides a boost to the Brampton business community.”
- On March 14, 2017 the Ministry of Advanced Education and Skills Development (MAESD) revealed that Ryerson University, in partnership with Sheridan College, submitted an application to establish a new post-secondary facility in Brampton. It is anticipated the MAESD will announce final details of the new facility, including formal funding, timing, location and other partners in late fall 2017.
- Brampton is on the cusp of an incredible transformation. The City has the opportunity to demonstrate strong municipal leadership with a commitment to funding that sets the stage for business investment and recognition and investment by other levels of government and private sector partners. Leading by example means thinking bigger, and investing for tomorrow.
- A major, ground-breaking investment will demonstrate Brampton’s commitment, not just to a university but to the future of our youth, our residents and our businesses across the City. It will demonstrate a commitment to achieving the vision of Council’s strategic plan – a connected city that is innovative, inclusive and bold.
- Municipal investments of up to \$50M in a post-secondary facility, led by Ryerson University, and \$100M in a joint-use Centre for Education, Innovation and Collaboration, would have a transformative impact. It will provide advanced education, jobs, new social and cultural opportunities in a potential new library, and new growth for the economy in the centre of Canada’s Innovation Super Corridor.

Background:

In November 2015, Urban Metrics prepared a report for the City of Brampton titled “Economic Impact Statement, Major University Capacity Expansion – City of Brampton, Ontario.” Corporate Services Committee received this report on December 2, 2016.

7.2.1-3

The report demonstrates the qualitative and quantitative benefits associated with the construction and operation of a university campus.

The key findings of this report identify a one-time construction impact of \$373M (1,820 jobs) and ongoing annual impacts of \$220M (1,510 jobs), based on a medium-term enrolment of 5,000 students.

The report also identifies that **“A financial contribution from the City of Brampton towards securing a new university campus will have significant, transformative impacts on the entire community. A new campus provides an opportunity to improve the lives of students and families and provides a boost to the Brampton business community.”**

On October 26, 2016, the Province of Ontario announced a funding commitment of \$180M to establish two new university facilities in Brampton and Milton. On January 17, 2017, the Province signaled that they are looking to support the creation of an entirely new approach to post-secondary education in Brampton. All prospective partners expressed an interest in a centre that combines education with innovation and collaboration – a facility Deputy Premier Matthews referred to as “something that we have never seen anywhere else in the world.”

On January 18, 2017, the Province released its Request for Expressions of Interest to establish a university in Brampton with a plan to create an innovative new post-secondary facility focused on STEAM (science, technology, engineering, arts and mathematics).

On March 14, 2017 the Ministry of Advanced Education and Skills Development (MAESD) revealed that Ryerson University, in partnership with Sheridan College, submitted an application to establish a new facility in Brampton for 1,000 net new domestic students.

Since March, MAESD, Ryerson University, Sheridan College and the City of Brampton have been in discussions to develop more detailed information. Recently, staff has been asked to indicate the level of contribution that may be expected from the municipality to assist the long term development of the new post-secondary facility, and its ability to deliver the desired impacts on the community.

Current Situation:

The City of Brampton has a unique opportunity to bring talent, jobs and investment to our city through a university and new centre for education, innovation and collaboration. Backed by incredible growth and immigration drivers, Brampton is moving towards taking its place as a global city. Brampton is thinking bigger about development, planning, jobs and the economy. A university is an opportunity for Brampton to leap forward as a future-ready city, leading the way on Canada’s Innovation Super Corridor.

7.2.1-4

The City's vision has always reached beyond a traditional university campus, looking to create a centre for education, innovation and collaboration. This vision aligns with the aspirations of Ryerson University, Sheridan College and the Province of Ontario.

Education: programming will be based on STEAM with a focus on advanced technology; affording new ways to engage business with experiential learning; generating new talent and research and development for new/expanded innovation opportunities across all of Brampton's priority sectors; local post-secondary facilities provide affordable options for residents.

Innovation: develop and deepen innovation capacity for entrepreneurs, business acceleration, assist the transformation of existing Brampton businesses, and establish new creative and innovative spaces for students and for the broader community.

Collaboration: develop opportunities for collaborating in research, advancing business sectors, building relationships across the public and private sectors and the community.

Transformative Benefits to the City of Brampton

Brampton is on the cusp of an incredible transformation. The City has the opportunity to demonstrate strong municipal leadership with a commitment to funding that sets the stage for business investment and recognition and investment by other levels of government and private sector partners. Leading by example means thinking bigger, and investing for tomorrow.

A significant, ground-breaking investment will demonstrate Brampton's major commitment, not just to a university but to the future of our youth, our residents and our businesses across the City. It will demonstrate the commitment to achieving the vision of Council's strategic plan – **a connected city that is innovative, inclusive and bold.**

This report proposes an investment beyond a contribution to a university. It also proposes an investment in a state-of-the-art facility which provides innovation and collaborative space for the community, entrepreneurs, businesses and students.

Municipal investments of up to \$50M in a post-secondary facility, led by Ryerson University, and \$100M in a joint-use Centre for Education, Innovation and Collaboration, would have a transformative impact. It will provide advanced education, jobs, new social and cultural opportunities, and new growth for the economy in the centre of Canada's Innovation Super Corridor. Social benefits of the investment include:

- Increasing youth employment by providing experiential learning and job-ready graduates
- Opportunities for entrepreneurs and businesses to thrive
- Affordable post-secondary options close to home
- Unique program offerings linked to identified industry needs

7.2.1-5

- Innovative, fresh entrepreneurial activities to stimulate new and existing business growth and prosperity
- A better live-work ratio in Brampton

A visionary, joint-use centre for education, innovation and collaboration could provide a new central library, entrepreneurial and cultural space in close proximity to a university facility in Downtown Brampton. This would be a creative space with unique attributes and advanced technology housed in an awe-inspiring iconic structure –embodying Brampton Library’s vision of ‘inspiring connections’ and reinventing Brampton’s cultural image across the country. A new central library, supporting a downtown university, can be a key component in transforming the Downtown, supporting collaborative learning, and new cultural and business opportunities.

Brampton is at a crossroad, with an exciting, once-in-a-generation opportunity ahead.

Ryerson University and Sheridan College

Ryerson University, as the lead applicant, and Sheridan College as its post-secondary partner, are planning to bring unique programming, business partnerships, and innovative, experiential learning to the Brampton campus.

Ryerson University’s vision is to be Canada’s leading comprehensive innovation university, a leader in high-quality, career-related education, fostering innovation and entrepreneurship. Distinctly urban, culturally diverse and inclusive, the university has grown dramatically over the last ten years and is now home to more than 43,000 students. See Appendix A for further information.

Founded in 1967, Sheridan College has grown from a small community college serving 380 students to an internationally-recognized postsecondary institution with campuses in Oakville, Brampton and Mississauga serving over 23,000 full-time students. See Appendix B for further information.

Investment Criteria

Full details of the Ryerson-Sheridan partnership are anticipated late fall 2017. When all details are available, City Council can fully review the proposal, and agree to a specific investment strategy considering:

- Programming
- Plans to grow the number of students to a sustainable level
- Proposed location
- New and expanded business partnerships
- Economic impact
- Social impact
- Unique programming
- Collaboration with Sheridan College and other partners

7.2.1-6

A Memorandum of Understanding (MOU) outlining details of the partnership, commitment of each partner, and establishing a process for measuring the impact of the municipal investment will be prepared for consideration.

Benchmarking Other Municipalities

Other municipalities across Ontario and Canada have recognized the benefits of having a university institution in their community, and have made investments ranging from \$8M to \$50M in a new facility or renovated existing space.

Funding Opportunities

The provincial commitment of \$180 million to post-secondary institutions in Brampton and Milton can be seen as a starting point. There will be opportunities to seek funding and investment from other Provincial Ministries, the Federal Government and the private sector.

In recent years the federal and provincial governments have made significant investments in public infrastructure and establishing programs to support research and development, innovation and experiential learning. City staff is proactively identifying opportunities to seek support from other levels of government and the private sector. Recently, at the Association of Municipalities of Ontario conference, the City's delegation had an opportunity to discuss its vision for research, innovation, multi-use and shared facilities with various Ministries.

Corporate Implications:

Financial Implications:

The City could leverage the following financial resources/assets to contribute to the University initiative:

- Development Charges
- Legacy Fund
- Community Investment Fund
- Cash In-Lieu of Parkland
- Land
- Debt
- Dedicated Tax Levy

Staff will prepare a report identifying final proposal details, proposed funding tied to performance measures and targets, business case analysis, and the key results for Brampton residents and business community.

7.2.1-7

Other Implications:

Ongoing commitment and staff time are required to ensure the best outcome for Brampton.

Strategic Plan:

An investment in a university and a centre for education, innovation and collaboration will be a catalyst for further progress on the City's other game-changing initiatives.

Riverwalk: Eliminating flood risks and development limitations for university expansion, creating new public spaces

Regional connections: Connectivity for students, faculty and the community, locally and regionally

Health partnerships: Establishing Brampton as a leader in health and life sciences, encouraging new investments and business and academic partnerships.

Urban centres: Vibrant, creative destinations where people engage, businesses thrive and new ideas flourish

Planning vision: Changing the game to become a centre for jobs and innovation, a future city and a global leader

These interconnected initiatives can supercharge innovation and growth in the region, spilling over into Ontario and the rest of Canada.

Conclusion:

Brampton has an opportunity to realize one of the most significant transformations in Canada. The time is now.

Robert Seguin
Advisor, Economic Development
Office of the Chief Administrative Officer

Michelle McCollum
Senior Manager, Strategic Development
Office of the Chief Administrative Officer

Harry Schlange
Chief Administrative Officer

7.2.1-8

Report authored by:

Robert Seguin, Advisor to the CAO, and Michelle McCollum, Senior Manager, Strategic Development, Office of the CAO.

Appendices:

Appendix A: Ryerson University information

Appendix B: Sheridan College information

Appendix C: Extract from 2015 Economic Impact Statement, Major University Capacity Expansion

The Ryerson Experience



Student community snapshot

34,200

undergraduate students

2,300

graduate students

Empowering students to maximize their potential as skilled professionals.



86% of grads find work within 6 months (in a field related to their program)



1-on-1 appointments with a faculty-specific career consultant



950+ students in Career Boost – a new source for off-campus and on-campus job opportunities

Career-related education and a broad range of experiential learning opportunities give Ryerson students the platform for success.

80%

of undergraduate enrollment is in professionally-related programs

2/3

of undergraduate students are enrolled in accredited programs



62 bachelor's programs



49 specialized minors



52 PhD and master's programs

Continuing education provides life-long learning opportunities.



80 career-related certificate programs



9 Courses towards accreditation by 9 professional institutes and associations



70,000 enrolments each year



1,500 courses, seminars and workshops



400 online, print-based and audio courses, as well as a unique combination of in-class and online learning

Shaping the next generation of changemakers. Some of the experiential learning at Ryerson includes:



Clinical placement



Co-ops



Competitions



Service learning



Creative practice



Student exchange



Studio and shows



Exhibitions



Field work



Lab research



Internships

Fostering entrepreneurship with new ways of thinking that transform the world.

DMZ

The DMZ at Ryerson University is one of Canada's largest business incubators for emerging tech startups. The top-ranked university incubator in North America and third in the world.



Ryerson has taken the innovation model across the university with **10** campus zones focused on different industries



Courses that challenge students in teams to solve real world problems

A diverse student body in the heart of downtown Toronto.

 **146**

countries represented by the campus community

 **146+**

countries that Ryerson students call home



More than **80** languages spoken



International students make up approximately **6%** of Ryerson's student population

Engagement in global exchanges.



Partnerships with **133 universities** in **37 countries**



200+ students participate in international exchanges

Ryerson University's vision is to be Canada's leading comprehensive innovation university, a leader in high-quality, career-related education fostering innovation and entrepreneurship. With a mission to serve societal need, and a long-standing commitment to engaging its community, Ryerson offers more than 100 undergraduate and graduate programs in the Faculties of Arts; Communication & Design; Community Services; Engineering and Architectural Science; Science; the Ted Rogers School of Management and Yeates School of Graduate Studies.

Distinctly urban, culturally diverse and inclusive, the university has grown dramatically over the last ten years and is now home to more than 43,000 students, including 2,600 master's and PhD students, nearly 3,000 faculty and staff and more than 185,000 alumni worldwide. Ryerson's G. Raymond Chang School of Continuing Education is Canada's leading provider of university-based adult education.

Research at Ryerson is on a trajectory of success and growth, receiving \$47.1 million in research funding in 2015-2016. Scholarly, research and creative activity is a top strategic priority at Ryerson University and central to its mission. The Research Strategic Plan identifies areas of special opportunity: Digital Media and Technology; Energy and Sustainability; Health and Wellbeing; Technological and Industrial Innovation; City Building and Social Justice; Design, Culture, and Creative Industries; Management, Entrepreneurship and Competitiveness and Teaching and Learning for the New Economy.

Zone learning is a new model of experiential learning built to prepare students for the 21st century workplace by providing opportunities for them to work on real projects, causes, companies or startups. Ryerson's 10-zone network offers our students the chance to solve real world problems, learn new skills, and gain tangible experience within one of the most vibrant cities in the world. The DMZ at Ryerson is the leading business incubator for tech startups in Canada. It helps startups build great businesses by connect. Ranked the top tech incubator in North America and 3rd in the world, over the past seven years the DMZ has seeded 308 startups and raised over \$380M in funding.

Ryerson is reshaping the downtown core of Toronto. Over the past few years, the university has undertaken numerous major initiatives that are transforming the neighbourhood, including:

- The Ryerson Image Centre
- The Mattamy Athletic Centre at the Gardens
- Faculty of Science's Department of Chemistry and Biology MaRS Labs
- The Student Learning Centre
- The Daphne Cockwell Health Sciences Complex and the Centre for Urban Innovation

The **Ryerson Image Centre** (RIC) is an international centre of excellence dedicated to the exhibition, research, study and teaching of photography, new media, installation art, film and related disciplines. The RIC is home to the world-renowned Black Star Collection, nearly 400,000 photographs capturing major news events of the 20th Century. It's most recent addition is the New York Times Canadian Collection – nearly 25,000 photos spanning the entire 20th Century, from the years leading up to the First World War through the 1990s. In addition to its scholarly, research and creative merits, the award-winning building adds to Toronto's urban landscape by lighting up Gould Street in an array of pulsating colours.

Once upon a time, the Toronto Maple Leafs skated to victory within these walls. Now, the **Mattamy Athletic Centre at the Gardens (MAC)** is home to the Ryerson Rams varsity hockey, basketball and volleyball teams. Completely redesigned through a creative partnership between Ryerson University and Loblaw, the MAC offers Ryerson students an NHL-sized hockey rink, basketball court and fitness centre. One of the best adaptive re-use projects in Canada, the MAC has won multiple architectural awards including the Architectural Conservancy of Ontario Paul Oberman Award for Adaptive Reuse; the Toronto Urban Design Public Buildings in Context; and the Heritage Toronto William Greer Architectural Conservation and Craftmanship Award.

In 2017, Ryerson University unveiled a new, purpose-built research facility for the **Faculty of Science's Department of Chemistry and Biology in the MaRS Discovery District**. One of Canada's most exciting innovation centre, it features nearly 20,000 square feet of high-tech, collaborative laboratory space designed to support Ryerson faculty and graduate student researchers working in a broad range of disciplines, from microbiology to aquatic sciences to biochemistry and more. The new facility adds much-needed updated laboratory space to Ryerson's campus, where researchers have long been scattered across different buildings and facilities. The investment reflects the dramatic growth in the size and influence of the University's science programs in recent years.

The **Student Learning Centre (SLC)** at Ryerson is transforming the corner of Yonge and Gould streets into one of Toronto's most vibrant, people-friendly intersections. The SLC provides the Ryerson community with a truly outstanding environment in which to study, collaborate and share ideas. The SLC was designed through a partnership between two renowned architectural firms Snøhetta & Zeidler Partnership Architects and has won countless architectural awards including being named by Azure Magazine as one of the top 10 new buildings in the world for 2015.

In 2018, Ryerson will open two new buildings. **The Daphne Cockwell Health Sciences Complex (DCHSC)** located on Church Street, will house health-related programs, lecture halls, classrooms, eight research labs and a student residence. **The Centre for Urban Innovation (CUI)** on Gerrard will house a research, incubation and commercialization hub focused on alternative energy, water management, food production and data analytics. The CUI will be a showcase for research, incubation and commercialization focusing on solutions to urban infrastructure issues.

The DCHSC is a mixed-used development designed to be a welcoming and inclusive home for living and learning. The residential tower will accommodate 332 students in 100 residential units while the academic podium will house Ryerson's Daphne Cockwell School of Nursing; Midwifery Education; the School of Nutrition, the School of Occupational and Public Health; the Communications, Government & Community Engagement department; University Advancement; Food Services and a Fabrication Zone. In addition to its role as a hub for interdisciplinary collaboration, the DCHSC features a holistic approach to health and wellness and is a catalyst for innovation and excellence for sustainable building practices and city-building.



Overview:

Founded in 1967, Sheridan has grown from a small community college serving 380 students to an internationally-recognized postsecondary institution with campuses in Oakville, Brampton and Mississauga serving over 23,000 full-time, 3,600 part-time, and 15,000 continuing education students, with 3,700 full- and part-time employees. Sheridan has 170,000 alumni in the arts, business, technology and community service fields.

Today, our student body includes over 6,000 students from 100 countries worldwide.

Sheridan offers over 120 diplomas, certificates, degrees and graduate certificates. Its highly sought-after programs include degrees in animation, business, illustration, game design, interaction design, information systems security, music theatre performance, film and television, and athletic therapy.

Research:

Our academic strengths have led to the creation of several unique applied research centres, including the Centre for Elder Research, Screen Industries Research and Training Centre (SIRT), Centre for Advanced Manufacturing and Design Technologies, Canadian Music Theatre Project, and Centre for Mobile Innovation.

SIRT was behind the development of SIRTNET, a dedicated and secure broadband fibre and shared render and storage service supporting the media and entertainment production and postproduction system in the Greater Toronto Area. SIRTNET was recently commercialized by a consortium of companies, and is expected to boost attraction of new studio investments and international productions, as well as increase efficiency in production and postproduction for the Ontario media and entertainment sector as a whole.

In 2016-17, Sheridan research activities garnered \$7,914,447 in external funding, while 20% of Sheridan faculty were engaged in scholarship, research and creative activities, and 2,088 students participated in research activities.

Sheridan was named the top research college in 2016 by Research Infosource Inc. for total number of projects completed and number of industry partners.

Award-winning Institution:

Sheridan students, alumni and faculty have received numerous provincial, national and international awards over the years. Below are some examples:

Annie Awards – Three Sheridan grads won Annie Awards – recognizing the year's best achievements in the field of animation – in 2016 and 2017.

Academy Awards – In 2017, alumnus Alan Barillaro won the Oscar for Best Animated Short. In 2015, three of five nominees in the Best Animated Feature category were Sheridan grads; Chris Williams won for *Big Hero Six*.

Provincial and National Co-op Student Awards: For the fifth year in a row, Sheridan students won provincial and national co-op student honours.

Skills Ontario: In 2017, students in apprenticeship and skilled trades programs won six medals – for the second year in a row.

Tony Awards: *Come From Away*, the musical originally incubated through the Canadian Music Theatre Project, won a 2017 Tony Award for Best Direction of a Musical.

Level Up: Students from the first cohort of graduating students in Game Design won 10 of the 12 awards presented at the Level Up Student Showcase in Toronto.

CCAA: Sheridan men's basketball team won silver at the national championships in 2017.

Sustainability:

Sheridan embraced a commitment to sustainability in 2015 through its Mission Zero project, which comprises two major initiatives:

- The Integrated Energy and Climate Master Plan (IECMP), which aims to decrease the college's overall energy and carbon emissions by 50% by 2030; and Zero Waste Sheridan, which has the ambitious goal of leading Sheridan to become zero waste by 2020.

The IECMP is ahead of target and expected to reach its goals by 2020.

A centrepiece of the new Skilled Trades Centre at the Brampton Campus is its District Energy Centre – a showcase of modern systems for the simultaneous production of thermal and electrical energy. The Centre will serve as an educational tool for engineering technology programs, as well as a training facility for Sheridan's skilled trades programs. A District Energy Centre has also been constructed at the Oakville Campus.

Construction will begin this fall on a solar carport at the Brampton campus. This 500 kilowatt project will generate approximately 700,000 kilowatt hours of solar energy annually, or 7% of the campus's annual usage, while saving 29 tons of emissions each year.

7.2.1-15

Extract from 2015 Economic Impact Study, urbanMetrics, 2015

Appendix C

Figure 21: Summary of Financial and Non-Financial Support from Host Municipalities

Contributing Municipality	University	Type of Campus	Municipal Contribution (millions)	Total Estimated Construction Cost (millions)	Municipal Share of Cost	Enrolment Capacity ¹	Contribution Per Enrolment
Orillia and Simcoe County	Lakehead	Suburban	\$10.5	\$50.0	21%	1,500	\$7,000
Milton	Laurier (Proposed)	Suburban	\$50.0	n.a.	n.a.	2,500	\$20,000
Hamilton	McMaster ²	Urban	\$20.0	\$84.6	24%	4,000	\$5,000
Stratford	Waterloo	Urban	\$10.0 ³	\$25.0	40%	600	\$16,667
Burlington and Halton Region	McMaster	Suburban	\$10.0	\$29.8	34%	500	\$20,000
Barrie	Laurentian (Proposed)	Urban	\$14.0	\$60.0	23%	3,100	\$4,516
Mississauga ⁴	University of Toronto	Urban	\$10.0	\$35.0	29%	2,300	\$4,348
Cambridge ⁵	Waterloo	Urban	\$8.0	\$24.0	33%	360	\$22,222
Markham and York Region	York	Urban	\$25.0 ^{6,7}	n.a.	n.a.	5,000	\$5,000
AVERAGE					27%		\$7,900

¹ FTE enrolment capacity at proposed campus.

² Contribution towards the David Braley Health Sciences Centre.

³ Contributed up to 8 acres of land in the downtown core. Value of land was not identified.

⁴ Contribution towards University of Toronto Mississauga's Innovation Complex.

⁵ Contribution is only related to the expansion of the campus. The City of Cambridge contributed \$7.5 million to the construction of the original campus in 2001.

⁶ The City of Markham has dedicated 5 acres of land in Markham Centre. Value was not identified.

⁷ Forms of funding yet to be determined. Excludes land costs in Markham Centre.

Source: urbanMetrics inc. based on various sources