



**CENTRE FOR  
CLIMATE CHANGE  
MANAGEMENT  
AT MOHAWK COLLEGE**

**Presentation to the Clean Air Partnership**

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 **MOHAWK**



# CCCM STRATEGY

## MOHAWK'S VISION

A regional leader on climate change, fostering partnerships and collaboration that inspire transformational change toward a resilient, low carbon economy.



The Centre for Climate Change Management (CCCM) is helping to accelerate climate action by acting as a catalyst to support the growth of a thriving low carbon economy.



# THE JOYCE CENTRE

## WHAT IS A ZERO CARBON BUILDING?

Highly energy efficient, and produces enough energy onsite offset annual carbon emissions associated with operations.

## KEY FEATURES

- High-performance building envelope
- Solar PV arrays that generate over 721,000 kWh annually
- Solar thermal array
- 28 geothermal wells
- Variable refrigerant flow heat pump system
- Sensor-controlled LED lighting
- Green roof with rainwater harvesting
- High-efficiency plumbing fixtures



# CCCM 2019/2020 BUDGET

## DESIGNED FOR PARTNERSHIP AND INNOVATION

7 Stories of learning

8 Labs

3 Collaborative work spaces and studios

2 Green roofs



# CCCM STRATEGY

## TOP 5 ARGUMENTS FOR NET ZERO CONSTRUCTION

1. Constructed through an integrated design process
2. Reduces operations costs over time
3. Enables management of peak demand loads
4. Enhances the sustainability and resilience of our other buildings
5. Possible today, with widely available technologies





Thank you for your time.

QUESTIONS?