Corporation of the City of Cambridge
Special Council Meeting
Addendum

Date: June 8, 2021, 5:00 p.m.
Location: Virtual Meeting

COVID-19
Due to COVID-19 and recommendations by Waterloo Region Public Health to exercise social distancing, members of the public are invited to submit written comments or requests to delegate via telephone related to items on the agenda.

The public wishing to speak at Council may complete an online Delegation Request form no later than 12:00 p.m. on the day of the meeting for Special Council Meetings occurring at 5:00 p.m. and no later than 12:00 p.m. the day before the meeting for Special Council –Statutory Public Meetings occurring at 10:00 a.m.

All written delegation submissions will form part of the public record.

4. Presentations
   *4.1. Patrick Gaskin, President and CEO; David Pyper, Chair, Board of Directors - Cambridge Memorial Hospital re: CMH: A Community Update
   *4.2. Tova Davidson, Executive Director- Sustainable Waterloo Region re: 2019 Year End Report on Sustainability
   *4.3. Yogesh Shah, Deputy City Manager- Infrastructure Services and John Cook, Vice President -Buckingham Sports Properties re: 21-191(IFS) Cambridge Sports Park Expansion Update
   *4.5. Tova Davidson, Executive Director- Sustainable Waterloo Region; REEP; ClimateActionWR re: 21-141 (CRE) TransformWR, Community Climate Action Strategy and City of Cambridge’s Implementation

5. Delegations and Consideration of Related Reports
*5.2. Scott Morton Ninomiya, 50by30 Waterloo Region re: 21-141 (CRE) TransformWR, Community Climate Action Strategy and City of Cambridge’s Implementation

*5.3. Randy Saad re: 21-141 (CRE) TransformWR, Community Climate Action Strategy and City of Cambridge’s Implementation

*5.4. Lesley Johnston, Fossil Free UW re: 21-141 (CRE) TransformWR, Community Climate Action Strategy and City of Cambridge’s Implementation

*5.5. Bruce Taylor, Enviro-Stewards Inc. re: 21-141 (CRE) TransformWR, Community Climate Action Strategy and City of Cambridge’s Implementation

*5.6. Allen Schiedel re: 21-095(CD) 4045 Maple Grove Road Affordable Housing Condition of Draft Approval Information Report – Maple Mills (Hespeler) Ltd.

*5.7. Dave Aston, MHBC Planning re: 21-095(CD) 4045 Maple Grove Road Affordable Housing Condition of Draft Approval Information Report – Maple Mills (Hespeler) Ltd.


*6. Correspondence

A Community Update
Cambridge City Council Meeting

David Pyper, Chair, Board of Directors
Patrick Gaskin, President & CEO

June 8, 2021
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CMH supporting the needs in the community

Cambridge COVID-19 Assessment Centre

Drive Thru is Open

Book online or call 226-895-1050

Strict pandemic protocols keeping staff, patients safe at Cambridge Memorial Hospital

By Robert Williams Record Reporter
Sat., Feb. 13, 2021 | 4 min. read

Assessment Centre, Infection Prevention & Control, Occupational Health, Spiritual Care
CMH & Vaccination Clinics
supporting getting jabs into Cambridge arms!

1 Pinebush Mass Immunization Site
2 Cambridge North Dumfries OHT Vaccine Clinic
3 CCM On-Site LTC Vaccine Clinic
4 CMH On-Site Staff Pop-Up Clinic
CMH & Cambridge Country Manor – supporting a community partner in outbreak

Redeployed over 60+ hospital employees and leaders

An in-depth clean of the entire Home

A robust and consistent screening process

Resident and staff vaccination clinics completed

Cohorting of staff and residents to ensure reduction of cross contamination risk

Consistent monitoring and tracking of PPE inventory
CMH response
to patient transfers from GTA

During recent critical ICU shortage in Wave 3, hundreds of COVID+ patients were transferred out of the GTA.

To-date, CMH welcomed 20+ GTA patients.

Thank you for reaching out to us. We have four family members with COVID in four different hospitals. Knowing they are being taken care of at Cambridge Hospital puts our mind at ease.

Family Member of a GTA Patient Transferred to CMH.
Virtual visiting spots have more than **doubled** during Wave 3 – CMH facilitates at least **200 virtual connections** each week!

CMH schedules appointments for **visitors & caregivers** for ALL patients each day once cleared by IPAC
Community response and support
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01
About Us

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Discussion
### Strategic Direction 1:

**Accelerate access to care for patients**

<table>
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<tr>
<th>Service</th>
<th>FY2020/21 HIGHLIGHTS</th>
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<tr>
<td>Inpatient Mental Health Patients Served</td>
<td>797</td>
</tr>
<tr>
<td>Inpatient Discharges</td>
<td>9,732</td>
</tr>
<tr>
<td>Inpatient Weighted Cases</td>
<td>11,137</td>
</tr>
<tr>
<td>Surgeries</td>
<td>7,907</td>
</tr>
<tr>
<td>Births</td>
<td>1,504</td>
</tr>
<tr>
<td>Clinic Visits</td>
<td>41,598</td>
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<tr>
<td>Emergency Department Visits</td>
<td>42,650</td>
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<tr>
<td>Covid Assessment Centre Visits</td>
<td>50,000</td>
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- **Clinic Visits**: Down 15.0%
- **Emergency Department Visits**: Down 17.3%
- **Covid Assessment Centre Visits**: 50,000

*Within hours after undergoing hip surgery John took his first steps. Together, we make it possible.*

*CAMBRIDGE HOSPITAL*
Strategic Direction 2: 
Keep staff and physicians safe and engaged
Determined by staff: How likely they would be to recommend their employer to others.
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Strategic Direction 3: 
*Meet evolving needs of our community with continued redevelopment of our new hospital*

We thank the City for its consideration and support to provide a safe, convenient and accessible NEW entrance for staff, patients and Visitors.
Strategic Direction 4: Prepare for digital transformation through renewal of our digital health strategy
What next for our CMH Foundation?

With the completion of the WeCareCMH campaign, we have begun inspiring our community to donate by sharing our ‘Caring Programs’ to educate residents about the scope of programs available at CMH.

Learn more about our amazing hospital programs, services and most importantly, people of CMH by visiting cmhfoundation.ca

“We all want to live our best lives. CMH is helping people in our community to do just that.”

Dr. Anjali Sharma, Chief of Psychiatry
Journey of courage, healing & gratitude
Thank you

David Pyper, Board Chair

Patrick Gaskin, CEO
Image source: kitchener.ctvnews.ca/as-it-happened-thousands-of-people-gather-for-peaceful-black-lives-matter-march-in-kitchener-1.4966927
Worksite status during survey

- Other: 6.9%
- Completely closed: 5.9%
- Open (choose to work from home): 17.2%
- Fully open: 10.3%
- Partially closed (most work from home): 56.6%

Employee Travel Survey Results

Mode split — primary before Covid-19
- Drive alone: 67%
- Car pool or drop off: 5%
- Work from home: 4%
- Transit (Ottawa or GO): 4%
- Walk or run: 3%
- Bike: 2%
- Others: 4%

Mode split — primary during Covid-19
- Drive alone: 53%
- Car pool or drop off: 9%
- Work from home: 8%
- Transit (Ottawa or GO): 7%
- Walk or run: 7%
- Bike: 9%
- Others: 1%
Satisfaction with mode of transportation

Before COVID-19
- Very satisfied: 28%
- Satisfied: 37%
- Neutral: 23%
- Unsatisfied: 8%
- Very unsatisfied: 4%

During COVID-19
- Very satisfied: 50%
- Satisfied: 24%
- Neutral: 19%
- Unsatisfied: 4%
- Very unsatisfied: 3%

Very satisfied | Satisfied | Neutral | Unsatisfied | Very unsatisfied
EMISSIONS COMMITTED AND REDUCED

78,086
Tonnes of GHGs committed in 2020
up from 68,560 in 2015

81,514
GHGs reductions in 2020

18,299
Equivalent number of cars off the road

3
Water targets set

7
Waste diversion targets set

28
Carbon targets set
of members anticipated their continued sustainable efforts with the Regional Sustainability Initiative even given the impact of COVID-19.
AGENDA

Background

Community Engagement

Indoor Recreation Facilities – Council Direction

Cambridge Sports Park Expansion

Ice Rental & Costs

Conclusions
Background

• Indoor recreation facilities study
• Council approved amenities for Multi-sports facilities
  – Aquatic complex with a 25 metre – 10 lane pool, a warm water/therapeutic pool and a leisure pool
  – Triple gymnasium, Fitness track
  – Multi-purpose rooms and display space
  – Twin Pad Arena with spectator seating in one arena pad - phase I
  – 2 additional pads at a future date -phase II
COMMUNITY ENGAGEMENT

- Two delegation nights
- Public meeting/information session
- Online information portal and survey – Engage Cambridge
COMMON THEMES
DELEGATION NIGHTS

- Better indoor recreation facilities are needed
- Build anywhere
- Invest in the facility
- No preference for split or single facility
- Consider private investment and fundraising opportunities
261 Hespeler Rd. (Flea market site)
220-240 Pinebush Rd.
0 Franklin Blvd. (Franklin Blvd. at Savage Dr.)
850 Fountain St. S. (Conestoga College)
Southeast Galt (City-owned lands)
ONLINE SURVEY
COMMON THEMES

location
Cambridge
option access
only central
facilities
Hespeler sites
use long just
city one
get it done
pool
close
pools cost
need hockey ice
needs community time
building new money people
think
Please forward
other site
build all complex
facility
Conestoga
COUNCIL DIRECTION

- Lowest risk; most cost-effective and timely solution
SOUTHEAST GALT LANDS

• City owned lands
• East boundary road route
• Forecasted population growth
• Community hub with Recreation complex, Idea Exchange location and two elementary schools
ICE FACILITIES

- Upgrade and expand Preston Memorial Auditorium
  - Twin pad facility
  - NHL Sized Ice pad
  - Upgrades to change rooms and other amenities
ICE FACILITIES

• Centrally Located Quad Pad facility
• Consider request to expand Cambridge Sports Park
  – Improvements to 2 existing ice pads
  – Expansion to add 2 new ice pads
Buckingham Sports Properties Company

VISION STATEMENT

An innovative leader in the recreational sports industry dedicated to continued consumer satisfaction through service and quality resulting in loyal and long term customer relationships.
MISSION STATEMENT

Buckingham Sports will strive to be a leader in the recreational sports industry by providing a healthy environment for recreational and competitive needs.

Our purpose lies in supporting our communities and athletes and our success is measured by customer loyalty, retention, service, growth and profitability.
Cambridge Sports Park Arena Expansion

OVERVIEW

• Expansion To Include 2 NHL Regulation Ice Rinks

• Facility Design To Accommodate Sledge Hockey On One Ice Pad

• 12 Large Dressing Rooms And 2 Referee Rooms, (Men’s And Ladies) Fully Equipped With Accessible Showers And Washroom Facilities

• Spectator Seating Of A Minimum Of 400 Seats On One Rink And A Minimum Of 300 Seats On The Other Rink

• Improvements To The Facility To Include Spectator Seating Of 100 Seats In Each Of The Existing Ice Pads

• New Expanded Facility Will Provide 2,000 Square Feet Of Secured, Accessible, Ventilated Climate-Controlled Storage/Office Space For City/Sports User Groups

• Fully Renovated Restaurant and Snack Bar

• Parking Spaces As Per City’s Zoning By-Law And Provided Free Of Cost To Users

• Pro Shop With Skate Sharpening

• Media Room For Figure Skating Music
Cambridge Sports Park Arena Expansion
Lobby View

- State of the Art Design
- Friendly Atmosphere
- Open Concept Design
- Energy Efficient Design And Environmentally Friendly
- Community Amenities
- Spacious Lobby
- Accessible Friendly
Cambridge Sports Park Arena Expansion
Elevations

- Eye Friendly Building
- Addition Will Tie Into Existing Building
- Renovations Will Also Be Implemented On Existing Building To Modernize It
- Facility Will Meet All Conditions Of The Accessibility Act
Cambridge Sports Park Arena Expansion
Site Plan

- Expansion Will Fit Nicely Onto Existing Sports Park Footprint
- Easy Access From Franklin Boulevard
- Parking Spaces Will Meet City Requirements
- Baseball Will Remain With 4 Ball Diamonds In Their Current Locations
- 4 Beach Volleyball Courts Will Be Relocated
Cambridge Sports Park Arena Expansion
Lower Floor Plan

- Expansion Will Include 2 NHL Regulation Size Ice Rinks
- 12 State Of The Art Dressing Rooms Designed With Women and Disabled Participants In Mind With A Team Friendly Atmosphere
- 2 Referee’s Rooms
- The Rink Design Will Allow For Sledge Hockey On One Rink
- Storage Will Be Provided In Rinks For Use By Minor Hockey
- Ice Plant Will Be Designed With High Efficiencies
- Building Will Be Environmentally Friendly
- Figure Skating Music Room
Cambridge Sports Park Arena Expansion
Upper Floor Plan

- Seating Will Include 400 Seats In One Arena And 300 Seats In The Other Arena
- The Restaurant / Bar Will Be Renovated To Be More Family Friendly
- 3 Community Meeting Rooms
- Washroom Facilities Will Be Located Throughout The Building And Accessibility Friendly
Cambridge Sports Park Arena Expansion
Similar Rink Design

- Similar Concept of Seats Placed Above Dressing Rooms.
- Additional Spectators Can View From Rink Level Behind Boards
- Seating Will Be Spectator Friendly And Consist Of Individual Stadium Style Seating
Cambridge Sports Park Arena Expansion
Existing Lower Floor Plan

- The Expansion Will Allow For Easy Access Throughout The Facility Between The New Rinks And The Existing Rinks And Appear Seamless
ICE RENTAL

• 2800 hours of Ice Rental on new NHL sized pads
  – 2400 hours during prime time
  – 200 hours during non-prime time
  – 200 hours during summer time
• Ice allocation on existing twin pad to continue
• 2000 sq. ft. for storage/office space
• All 4 pads available to host tournaments
COSTS

- $150,000 base lease payment
- $1,245,000 toward ice rental costs
- Costs subject to annual adjustment based on CPI
- Reimbursement of revenue from sale of unused allocated ice time to the City
- No costs for storage and office space
- City portion of Development Charges to be waived and Building Permit fees to be refunded
- Property Taxes for expanded facility to be exempted
FINANCIAL IMPACT

• $675,000 annual Operating Budget Impact

• 0.71% property tax rate impact

• $600,000 one time cost impact as a result of Development charges waiver and Building permit fee refunds
PLANNED FACILITIES

WG Johnson Centre
Joint-Use Campus
Hespeler Memorial Arena
Preston Memorial Auditorium
Galt Arena Gardens
Cambridge Sports Park
Chaplin Family YMCA
CONCLUSIONS

• This proposal provides
  – Centrally Located quad pad facility to the community
  – Opportunity to host significant events and tournaments
  – Create a positive economic impact for Cambridge Businesses
  – provides an affordable option for providing sustainable indoor recreation services in a timely manner

• Decommissioning and repurposing of aging facilities, while improving amenities for the ice users
Thank You!

Yogesh Shah
Deputy City Manager – Infrastructure Services
shahy@cambridge.ca
TransformWR: Waterloo Region’s Transition to an Equitable, Prosperous, Resilient Low Carbon Community
COMMUNITY & TECHNICAL ENGAGEMENT

Over **1,600** community members contributed to this strategy through:
- 36 Event booths
- 5 Workshops
- 11 Focus groups
- 50+ Interviews
- 460 Survey respondents

Over **100** technical experts contributed to this strategy, including:
- Engineers
- Architects
- Technical Solution Providers
- Utilities
- Local Municipalities
- External Municipalities
- Universities and Colleges
- Association of Energy Engineers
- External Community Technical Groups
- Community Technical Leaders
SUSTAINABLE DEVELOPMENT GOALS

1. No Poverty
2. Zero Hunger
3. Good Health and Well-being
4. Quality Education
5. Gender Equality
6. Clean Water and Sanitation
7. Affordable and Clean Energy
8. Decent Work and Economic Growth
9. Industry Innovation and Infrastructure
10. Reduced Inequalities
11. Sustainable Cities and Communities
12. Responsible Consumption and Production
13. Climate Action
14. Life Below Water
15. Life on Land
16. Peace, Justice and Strong Institutions
17. Partnerships for the Goals
CALLS TO ACTION

Equitable, Prosperous, Resilient, Low Carbon Community

Transform the ways we move

Transform the ways we relate

Transform the ways we produce, and waste

Transform the ways we build & operate our spaces
Figure: *Trajectory to achieve an 80% GHG emissions reduction (from 2010 levels) by 2050*

1. **Inaction:** Our population continues to grow as expected, but no further efforts are made to reduce our GHG emissions;
2. **Industry Trends:** Our population continues to grow as expected, and predicted industry trends help us reduce emissions per person over time;
3. **80by50:** Our population continues to grow as expected, industry trends help us reduce emissions per person over time, and we make further conscious changes to meet our 80by50 reduction target.
Transformative Change #1: By 2050, most trips are taken using active transportation, with the support of a robust public transit system.

What is your municipality’s role in helping us get there?

- Redesign, rebuild, and maintain our transportation system to prioritize active transportation:
  - Plan a network of active transit corridors.
  - Implement policies to prioritize active transit in road and trail designs.

- Make existing and new communities “complete communities”:
  - Implement design standards for new developments to build for active transit to be the primary mode of travel.
Transformative Change #2: By 2050, remaining personal and commercial vehicles are zero emissions vehicles.

What is your municipality’s role in helping us get there?

- Switch commercial vehicles to zero emission vehicles:
  - Transition fleets to zero emission vehicles.
  - Collaborate on region-wide electric vehicle strategy.

- Build a network of charging/refuelling infrastructure:
  - Provide electric vehicle charging stations in public spaces.
  - Require new residential parking spaces to be “EV-ready”.
Transformative Change #3: By 2050, businesses and homes no longer use fossil fuels for space heating and cooling, and water heating.

What is your municipality’s role in helping us get there?

- Decarbonize building heating and cooling, and water heating:
  - Offer innovative loans for energy-related building upgrades.
  - Create a one-window service to support energy-related upgrades.

- Build new buildings to be, or transition to, net-zero carbon:
  - Develop building standards to support zero-carbon development.
Transformative Change #4: By 2050, Waterloo Region uses less, wastes less, and no longer disposes organic matter in landfills.

What is your municipality’s role in helping us get there?

• Use less, and use it again:
  • Implement community waste reduction and circular economy campaigns.
  • Reduce unnecessary building demolitions and construction waste.
Transformative Change #5: By 2050, Waterloo Region has a thriving local food system built on local farming, and food production and processing that feeds much of our community.

What is your municipality’s role in helping us get there?

• Protect agricultural land and the local agricultural system

• Adopt low GHG emission diets:
  • Provide a variety of low GHG food options and plant-based dining options at catered events.
Transformative Change #6: By 2050, Waterloo Region has leveraged reducing GHG emissions increase equity, prosperity, and resiliency for all

What is your municipality’s role in helping us get there?

• Prioritize increasing equity throughout GHG reduction planning:
  • Establish metrics to measure progress on increasing equity through GHG reduction initiatives.

• Ramp up local renewable energy generation:
  • Evaluate how to identify and protect optimal areas for industrial-scale renewable energy generation.

• Coordinate advocacy to senior levels of government.
QUESTIONS?
2018 Intergovernmental Panel on Climate Change: 1.5C Report

- Key takeaway: Countries must cut emissions in half by 2030 for a safe climate future

50x30WR, a group of organizers operating on the principle that speed is justice and committing to that goal of 50% reductions
50by30’s work in community

- Hosted over a dozen diverse open community events, convening visions + solutions for sustainable futures
- Petition in support of 50by30 with nearly 2,000 signatures
- 6800+ emails sent to local councillors in support
- Solidarity with and support for local climate + social justice solutions, and climate champions
- Co-organizers of local climate strikes, including that brought out over 5,000 people in Waterloo in 2019
- ‘Community conveners’ for climate action + justice
Call to action: Commit to 50by30

Flatten the climate curve

Earth system capacity

50% reduction by 2030
How the Climate Has Changed And Will Keep Changing

Global CO2 levels are at 415ppm - far above the recommended threshold of 350ppm.

We are at approximately 1.3°C warming - already highly dangerous. If we continue on this trajectory, we’ll see 4°C global rise within our children’s lives - destabilizing the climate beyond recognition, and destabilizing societies.

We can decarbonize at a dramatic rate. We are an innovation and technological leader.
Cambridge: strong and steady in crisis

“Our entire history has been shaped by our relationship with the Grand and Speed Rivers...we have adapted to and recovered from river flooding and other emergencies.

We have proven that we are resilient in the face of such challenges...and expect that we will face similar challenges in our future.

Extreme weather and changing climate patterns are being experienced across the world...in recent years we have witnessed increasing impacts...from more intense and damaging spring flooding...to longer summer heatwaves...

The Cambridge of the past will not be the Cambridge of tomorrow.”

Cambridge Connection: My grandmother was born in Galt in 1908.
Change is happening on a global scale

- **USA** has set a goal of **50-52% reduction by 2030, net zero by 2050**
- **Shell** recently ordered to reduce emissions **45% by 2030**
- **Over 700+ global cities** have committed to do their **fair share** to reach 50by30 (part of C40 Cities)
- **Vancouver City** has committed to **50by30**
- **Halifax** has committed to a **75% reduction** by 2030
50by30 Creates Jobs: Halifax estimates that carrying out their 50by30 plan will generate 90,000 person years of employment over the coming decade.

That’s like a new Toyota Plant opening every year.

Who would say no to that many jobs?

Generating renewable energy locally will also help to keep millions of energy dollars in the region, according to the Waterloo Region Community Energy Investment Strategy.
Big Benefits to being out front

Veriform: a Cambridge company aggressively reducing its GHG emissions while growing its workforce, expanding its plant and increasing its profits.

Their success proves that this is not a decision between environment & economy.
World has begun a profound transformation both in terms of climate impacts and how societies will respond to them.

Speed is justice.
Every amount of carbon released matters

Every little bit of warming avoided reduces the risks of irreversible climate impacts, lessens devastation to vulnerable communities, reduces harm to the natural world, and means a more intact, safer planet for our children.

The carbon we release here in Waterloo Region does matter.

Moral and ethical obligation to reach 50% by 2030
Your decisions today create “The Cambridge of tomorrow”

A community that leads on climate action because it’s the right thing to do.

A safer community that proactively prepares to meet future crises in the strong, steady way it always has.

A more prosperous community with thriving businesses that contribute to leading edge solutions.

A community that ensures everyone benefits from the safety and prosperity that results from taking leadership and committing to 50by30.
Agenda

Purpose:
- Demonstrate affordable paths to prevent and adapt to climate change

Process:
- Affordable paths to Climate Neutral & Beyond
- Achilles Heel of Tendering

Payoff:
- Stewardship of taxes, Action on Climate Change, Adaptation & smaller footprints
Enviro-Stewards

• We cultivate resilient businesses and
• improve lives in extraordinary ways

Clean50

PROJECT-OF-THE-YEAR

GLOBAL SDG AWARDS

2018 WINNER

17 PARTNERSHIPS FOR THE GOALS

Certified Best For The World 2019 Overall Honoree

Certified Best For The World 2019 Environment Honoree

Certified Best For The World 2019 Community Honoree

Certified Best For The World 2019 Governance Honoree
Climate Action WR
Goal 3: Low Carbon Business

• Maple leaf Foods (MLF) set targets to reduce water, energy, and waste 50% by 2025

• Enviro-Stewards completed energy, water, and pollution prevention assessments at 35 facilities

• 2019, Maple Leaf became the World’s First Major Carbon Neutral Food Company (while saving millions/yr in operating costs)

Maple Leaf sponsored 35 Biofilters including St. Paul’s nursery (above)
Improving lives:

SAFEWATER+ PROJECT

• TEDx “Better than Charity”

Empowering social ventures to sustainably provide safe water in their communities
Existing Rainwater Reuse System:

Enviro-Stewards Own House:
- 97% less outside air required
- 78% red’n in GHG/employee
- 0 L/yr tap water for living wall for 5 yrs
- With Blue Roof will save:
  - 20% more energy
  - 50% more water
  - Reduce peak flow during storm events

Enviro-Stewards Office

1. 78% reduction/employee (with E2)
2. Offset twice remaining balance
Enviro-Stewards Demonstration
Affordable Smart Blue Roof (ASBR)

• Replaced Roof (May 17 to May 28\textsuperscript{th}, 2021):
  - air temperature 30°C on May 21, 2021
• Lighter materials (saves 5lb/ft\textsuperscript{2})
• Thermal Savings
  • R-value: 50% savings
  • Colour: 55% savings
  • Net 78% reduction!

Note: a bucket of water on the roof May 21\textsuperscript{st} measured 20°C (cooler than the indoor temperature) which indicates evaporating water from the roof could potentially reverse the direction of heat flow (provide AC) even on 30°C days!
A Practical Lucrative Path to Become Climate Positive

PATH TO CLIMATE POSITIVE

Baseline
Assess supply chain, processing and packaging footprints to select areas of focus and quantify resulting gains

Identify
Identify & quantify practical footprint reduction measures and their associated business cases

Implement
Implement, verify and report on footprint reductions secured. Then sustainably offset the remaining balance
Climate Action WR
Goal 4 & 5: Food Waste Prevention

• 1/3 of all food is presently wasted
• If it were a country, food loss would be the 3rd largest GHG emitter (after USA & China)
• $49 billion CDN in lost value

If Succeed in diverting even 100%

• 1/3 of all food will still be wasted
• If it were a country, food loss would remain the 3rd largest GHG emitter (after USA & China)
• >90% of 49 billion CDN in lost value
Energy Reuse & Food Loss Prevention:

Process Integration (PI) Study:

• 3,233,000 kWh/yr
• 4,570,000 m³/yr of gas
• 123,000 m³ of water

$1,645,000/yr with 2-year payback

Food Loss Prevention Study

• $706,000/year food savings with 6-month payback (938 tonnes/yr of food) and 4,000 tonnes/yr of GHG
Achilles Heel of Tendering:
Lowest price = low quality, zero innovation & higher life cycle costs

https://bthechange.com/business-as-unusual-forging-a-new-model-while-protecting-the-earth-1doaa1do489d
Life Cycle Cost Comparison:
Investing in design up front reduces capital & operating costs.
Good morning Councillor Wolf,

I am a resident of your ward and writing today to voice my support for the TransformWR climate action strategy, which I believe Council will be discussing at an upcoming meeting.

I ask you to please support this strategy as one important step toward making Cambridge a resilient, inclusive and sustainable community. The action items contained within the strategy covering transportation, buildings, homes, waste and food, would not only reduce emissions but would also result in significant opportunity for our city in terms of jobs, innovation, social justice, poverty reduction and more.

As a longtime Cambridge resident, when I think of the future I’d like to see for myself, my family and future generations, I think of a just, equitable, prosperous community that prioritizes social and environmental well-being. I strongly believe the TransformWR strategy lays out some of the concrete steps to help Cambridge and the broader region realize that vision.

Thank you for your consideration.
Jessica Fisher