

# Advisory Committee on the Environment

## Report

The 3rd Meeting of the Advisory Committee Environment  
February 5, 2020  
Committee Room #4

Attendance                   PRESENT: R. Sirois (Chair), M. Bloxam, K. May, M. Ross, M.D.  
Ross, D. Szoller, A. Thompson and A. Tipping and J. Bunn  
(Committee Clerk)

ABSENT: J. Howell

ALSO PRESENT: T. Arnos, G. Barrett, M. Fabro, J. Grinstead,  
C. Smith and J. Stanford

The meeting was called to order at 12:17 PM.

### 1. Call to Order

#### 1.1 Disclosures of Pecuniary Interest

That it BE NOTED that no pecuniary interests were disclosed.

### 2. Scheduled Items

#### 2.1 Introduction to the Position of Manager of Sustainability and Resiliency

That it BE NOTED that a verbal presentation from M. Fabro, Manager, Sustainability and Resiliency, with respect to an introduction and update on the position of Manager of Sustainability and Resiliency, was received.

### 3. Consent

#### 3.1 2nd Report of the Advisory Committee on the Environment

That it BE NOTED that the 2nd Report of the Advisory Committee on the Environment, from its meeting held on January 8, 2020, was received.

#### 3.2 Municipal Council Resolution - 1st Report of the Advisory Committee on the Environment

That it BE NOTED that the Municipal Council resolution, from its meeting held on January 14, 2020, with respect to the 1st Report of the Advisory Committee on the Environment, was received.

#### 3.3 Letter of Resignation - K. Soliman

That it BE NOTED that the letter of resignation from the Advisory Committee on the Environment, dated January 17, 2020, from K. Soliman, was received.

### 4. Sub-Committees and Working Groups

#### 4.1 Energy Sub-Committee Report

That the attached Energy Sub-Committee Report BE FORWARDED to the Planning and Environment Committee and the Cycling Advisory Committee for consideration.

#### 4.2 Waste Sub-Committee Report

That the attached Waste Sub-Committee Report BE FORWARDED to the Planning and Environment Committee for consideration.

### 5. Items for Discussion

#### 5.1 Climate Action Presentation by D. Saxe at Green in the City Event

That it BE NOTED that the communication, as appended to the agenda, from R. Sirois, with respect to the Climate Action Presentation by D. Saxe that was given at the Green in the City Event in November, 2019, was received.

#### 5.2 Information Update - London's Premier Zero Waste Festival, June 13, 2020

That it BE NOTED that a verbal update from R. Sirois with respect to London's Premier Zero Waste Festival, to be held on June 13, 2020, was received.

#### 5.3 Review and Affirmation of Sub-Committees

That it BE NOTED that the Advisory Committee on the Environment (ACE) held a general discussion with respect to a review of the ACE Sub-Committees.

#### 5.4 ACE 2020 Budget

That it BE NOTED that the Advisory Committee on the Environment (ACE) held a general discussion with respect to the ACE 2020 Budget.

#### 5.5 ACE 2020 Work Plan

That the revised, attached Advisory Committee on the Environment 2020 Work Plan BE FORWARD to Municipal Council for consideration.

#### 5.6 ACE Non-Voting Membership Request

That the City Clerk BE REQUESTED to remove the non-voting membership positions for the Institute of Catastrophic Research (Western University) and the Biodrome (Western University) and to replace them with a non-voting position for a faculty or graduate student in a relative discipline, such as environmental studies, sustainability or geography; it being noted that the Advisory Committee on the Environment (ACE) found that the existing positions were not able to participate and, therefore, the ACE would like to widen the field of possible candidates in order to be able to benefit from university expertise.

#### 5.7 Request for Delegation Status - Blue Community Project

That the request for delegation from L. Brown, Chair, Blue Community London, as appended to the agenda, with respect to the Blue Community Project, BE APPROVED for the March 4, 2020 Advisory Committee on the Environment meeting; it being noted that the delegate will be given 15 minutes to speak.

5.8 Request for Delegation Status - Student Presentation Regarding the Climate Change Emergency Plan

That the request for delegation from B. Vogel, Western University, dated January 28, 2020, with respect to the Climate Change Emergency Plan, BE APPROVED for the April 1, 2020 Advisory Committee on the Environment meeting; it being noted that the delegates will be given 15 minutes to speak.

5.9 City of London Multi-Year Budget Discussion

That a Working Group BE CREATED to draft comments for a representative of the Advisory Committee on the Environment (ACE) to present at the upcoming Strategic Priorities and Policy Committee (SPPC) Public Participation Meeting on February 13, 2020, with respect to the City of London Multi-Year Budget; it being noted that the draft comments will be circulated to the entire ACE for review prior to the above-noted meeting of the SPPC.

**6. Adjournment**

The meeting adjourned at 1:57 PM.

# Advisory Committee on the Environment

## Report

The 2nd Meeting of the Advisory Committee on the Environment  
January 8, 2020  
Committee Room #4

Attendance                      PRESENT: R. Sirois (Chair), M. Bloxam, J. Howell, M. Ross, D. Szoller, A. Thompson and A. Tipping and J. Bunn (Committee Secretary)

ABSENT: K. May, M.D. Ross and K. Soliman

ALSO PRESENT: S. Armstrong, T. Arnos, A. Dunbar, J. Stanford

The meeting was called to order at 12:18 PM.

### 1. Call to Order

#### 1.1 Disclosures of Pecuniary Interest

That it BE NOTED that no pecuniary interests were disclosed.

### 2. Scheduled Items

#### 2.1 2020-2023 Multi-Year Budget Overview

That it BE NOTED that the attached presentation from A. Dunbar, Manager, Financial Planning and Policy, with respect to an overview of the 2020-2023 Multi-Year Budget, was received.

### 3. Consent

#### 3.1 1st Report of the Advisory Committee on the Environment

That it BE NOTED that the 1st Report of the Advisory Committee on the Environment, from its meeting held on December 4, 2019, was received.

#### 3.2 11th Report of the Transportation Advisory Committee

That it BE NOTED that the 11th Report of the Transportation Advisory Committee, from its meeting held on November 26, 2019, was received.

#### 3.3 12th Report of the Environmental and Ecological Planning Advisory Committee

That it BE NOTED that the 12th Report of the Environmental and Ecological Planning Advisory Committee, from its meeting held on November 21, 2019, was received.

#### 3.4 11th Report of the Trees and Forests Advisory Committee

That it BE NOTED that the 11th Report of the Trees and Forests Advisory Committee, from its meeting held on November 27, 2019, was received.

#### **4. Sub-Committees and Working Groups**

##### **4.1 Energy Sub-Committee Report**

That the Energy Sub-Committee report, as appended to the agenda, BE REFERRED back to the Energy Sub-Committee for further review and revisions.

#### **5. Items for Discussion**

##### **5.1 Zero Waste Conference 2019**

That it BE NOTED that the ~~attached~~ presentation from R. Sirois, with respect to an overview of the Zero Waste Conference 2019, was received.

##### **5.2 Climate Action Presentation by D. Saxe at Green in the City Event**

That the Climate Action Presentation by D. Saxe at the Green in the City Event update BE DEFERRED to the February 2020 meeting of the Advisory Committee on the Environment.

##### **5.3 Information Update - London's Premier Zero Waste Festival, June 13, 2020**

That the information update with respect to London's Premier Zero Waste Festival, to be held on June 13, 2020, BE DEFERRED to the February 2020 meeting of the Advisory Committee on the Environment.

##### **5.4 Review and Affirmation of ACE Sub-Committees**

That the discussion related to the Advisory Committee on the Environment (ACE) Sub-Committees, BE DEFERRED to the February 2020 meeting of the ACE.

##### **5.5 ACE 2020 Budget**

That the discussion related to the Advisory Committee on the Environment (ACE) 2020 Budget, BE DEFERRED to the February 2020 meeting of the ACE.

##### **5.6 ACE 2020 Work Plan**

That the discussion related to the Advisory Committee on the Environment (ACE) 2020 Work Plan, BE DEFERRED to the February 2020 meeting of the ACE.

#### **6. Adjournment**

The meeting adjourned at 2:04 PM.



London  
CANADA

P.O. Box 5035  
300 Dufferin Avenue  
London, ON  
N6A 4L9

January 15, 2020

A. Lockwood  
Urban Designer

I hereby certify that the Municipal Council, at its meeting held on January 14, 2020 resolved:

That, the following actions be taken with respect to the 1st Report of the Advisory Committee on the Environment, from its meeting held on December 4, 2019:

- a) A. Lockwood, Urban Designer, BE ADVISED that the City of London Climate Change Action Plan should be incorporated into this and any future Urban Design Guidelines, specifically, taking advantage of public parking lot space to install solar panel canopies; it being noted that the Notice of Planning Application, dated November 21, 2019, from A. Lockwood, Urban Designer, with respect to an Official Plan Amendment related to the City-Wide Urban Design Guidelines, was received;
- b) the "8.0 - Recommendations" section of the Cycling Master Plan Review Working Group Report of the Cycling Advisory Committee, as appended to the agenda, BE REFERRED to the Energy Sub-Committee for review and a report back to the Advisory Committee on the Environment in January 2020;
- c) the expenditure of up to \$300.00 from the 2019 Advisory Committee on the Environment (ACE) budget BE APPROVED to print copies of the Pollinator Friendly Gardens flyer, as appended to the agenda; it being noted that the ACE has sufficient funds in their 2019 budget to accommodate this expenditure; and,
- d) clauses 1.1 and 1.2, inclusive, 2.1 and 2.2, inclusive, 3.1 and 3.2, inclusive, 3.4 to 3.8, inclusive, 5.2 and 5.4 BE RECEIVED for information.(4.1/2/PEC)

C. Saunders  
City Clerk  
/lm

cc Chair and Members, Advisory Committee on the Environment

Karim Soliman  
1246 Thornley Street  
London, ON N6K 4V3

January 17, 2020

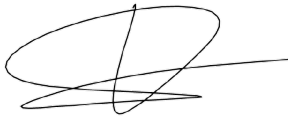
Jerri-Joanne Bunn  
Committee Clerk  
City Clerk's Office – City of London  
300 Dufferin Avenue  
London, ON N6A 4L9

Dear Jerri:

It is with regret that I tender my resignation from the Advisory Committee on the Environment.

I am grateful for having had the opportunity to serve on the committee. Unfortunately, the timing of the meetings interfere with my current work schedule preventing me from dedicating the time required to fulfil my duties as a member of ACE. Thank you and the rest of the committee for all your hard work and contributions and I offer my best wishes for its continued success.

Sincerely,

A handwritten signature in black ink, appearing to be 'K. Soliman', with a long horizontal stroke extending to the right.

Karim Soliman

## **Advisory Committee on the Environment (ACE) Energy Sub-Committee**

On December 4<sup>th</sup>, 2019, ACE referred the Cycling Advisory Committee (CAC) Cycling Master Plan Review Working Group Report to the Energy Sub-Committee for review, specifically section 8.0 Recommendations with relevance to the City of London's Climate Emergency plan.

ACE comments

On December 4<sup>th</sup>, 2019, ACE referred the Cycling Advisory Committee (CAC) Cycling Master Plan Review Working Group Report to the Energy Sub-Committee for review, specifically section 8.0, Recommendations with relevance to the City of London's Climate Emergency Plan.

Using a modeled carbon emissions evaluation, the CAC demonstrates that existing TMP mode split targets are not enough to reach London's emission targets. Thus they offer a likely mode-split solution (below in bold) for London to reach its GGE goals.

We are not familiar with the model CAC used to determine that London's mode split targets are presently unobtainable. Regardless, more commitment to cycling definitely deserves attention given its affordability and the results possibly being game-changing (per CAC's analysis). We ask that the City give active transportation special attention to find solutions to reduce London's energy use, including examination of the experience in other cities such as Barcelona, Spain (Diane Saxe presentation Nov. 19, 2019).

### **BACKGROUND**

Using a simple modeling exercise, the CAC report concludes the Transportation Master Plan (TMP) will not reduce greenhouse gas emissions (GGE) to 2030 target levels and requires the TMP mode split targets to be adjusted to achieve these goals. The Cycling Master Plan (CMP) acknowledges that each litre of gasoline burned emits about 2.3 kg of carbon dioxide which contributes to climate disruption but does not make further reference to targets.

CAC recommendations include:

- That the City evaluate GGE implications of the London Transit Master Plan, London Official Plan, London Parking Strategy, London Accessibility Strategy, and the Cycling Master Plan (CMP) to align with the City's Declaration of Climate Emergency.
- That a revised CMP plan focus on building All-Ages-and-Abilities infrastructure to achieve climate-informed modal split targets and a city-wide bike grid by summer 2021.
- That the City enacts a moratorium on all currently planned and future road widenings. Presently budgeted funds for road widening (\$75M/year) should be reallocated to transit and cycling for maximum mitigation of climate disruption and create an active transportation strategy (walking, accessibility, and micro mobility) at \$50/person/year, or ~\$20M/year, comparable to the scale of investments in major cycling cities and to
- Decrease speed limits on all residential streets to 30 km/h (reduce GGE, increase safety).

Key Findings:



- Implementing the City’s TMP will result in London exceeding its 2030 GGE budget by a minimum of 45%. Scenario A presents a minimum population growth of 73,800 people by 2030. Scenario B envisions growth of 140,000 people, a 39% increase from 2007.
- The City’s GGE budget can only be met by mode shift from automobile to zero-carbon transportation (ie electric transit, cycling, and walking), not by electric vehicles alone..
- Metrics to assess the current CMP are not comparable with other Canadian cities and leading global cycling jurisdictions. The CAC sees critical gaps in understanding of both current and potential cycling rates, demographics, and behaviour in London.
- It is likely that in examining other climate-relevant City policies, related to transportation and land use, through a climate lens this could yield similar need for urgent action.
- Transportation is by far the sector with the largest GGE in London. Our 2017 transport emissions are 1390 kt CO2e (of which ~70% of emissions are from personal vehicles), representing 49% of total emissions today, and has been relatively unchanged since 2007.

CAC Conclusion:

At its core, the goals in the TMP are insufficient to reach our international obligations to decrease our carbon emissions, and inadequate to cope with London’s Climate Emergency plan.

The CAC CMP Review Working Group suggests that mode shift target levels and greater investment in active transportation, are the most impactful ways to achieve 2030 GGE goals.

Table 4-1: City of London Transportation Master Plan current mode share and 2030 targets

Mode	2009 Mode Share	2030 Target	<b>NEEDED CAC Climate-Informed Targets by 2030:</b>
Automobile	76%	60%	<b>25%</b>
Transit	11%	20%	<b>35%</b>
Active Transportation –	9%	15%	<b>35%</b>
Cycling –	1%	5%	<b>10%</b>
Walking –	8%	10%	<b>25%</b>
Other	5%	5%	<b>5%</b>
	<b>100% Electrification of London Transit Vehicles</b>		
	<b>25% Electrification of Private Cars and City Vehicles</b>		

ACE Waste Subcommittee Report, January, 2020  
Re: 2020-2023 Multi-year Budget  
Business Case #1- 60% Waste Diversion Action Plan

ACE is highly supportive that the City budget proposal includes funds for collection of organic residential waste. We realize that more than 40% of residential waste is organic and thus will have the greatest impact in diverting waste from landfill.

ACE is in favour of the City following data from other municipalities with highly successful diversion programs. For example, Markham has demonstrated the importance of biweekly garbage collection as critical to the success of their green bin program.

In particular ACE is encouraging the removal of textiles, bulky plastics and small appliances from the waste stream. ACE is also supportive of waste as a 'resource technology' (anaerobic digester facilities, biogas, landfill gas recovery) where the end products can be used as a source of energy.

ACE looks forward to advising and having input on the progress of the 'expanded' recycling program and waste diversion programs as they evolve.

## London's Climate Emergency - Be Part of the Solution - Green in the City

Dr. Dianne Saxe Keynote Presentation - "Climate Changes Everything"

November 19, 2019

**KNOWLEDGE** (*hold on, it's grim!*) Dr. Saxe presented on why climate changes everything drawing from the latest reports of the International Panel on Climate Change (IPCC) among other sources. Our country is among the top ten polluters in the world. The country has the highest rate of climate pollution, among highest levels of climate pollution and it is heating up faster than the global average. The heat buildup has occurred in the last three generations ....her lifetime. 1% of the heat is in the air, 3% is trapped in solid vegetation, 3% with warmed up ice. The bulk is in the water! Warmed up water takes more space, (sea levels rise) and has less oxygen (greater acidity). The oceans have become the storm engines. The warmer the water, the more powerful and explosive the storms.

“When people get bad news, people want to hang on and wait for normal to come back”. The reality is that is not going to happen. Our infrastructure, insurance, laws are designed for a 20<sup>th</sup> century that no longer exists and to which we can never return. Dr. Saxe debunked the thinking that we’re living in the new normal. As she put it, the new normal is when you gain 10 lbs and buy a new pair of pants.

But that doesn’t make sense if you’re getting fatter every month. That’s what we’re doing, emitting more climate pollution every month, and at faster rates. 350 ppm: was our best estimate of how high carbon dioxide can be and still enable a world that has low-island states, predictable weather, coral reefs and mountain glaciers. The planet hit 415.70 ppm in May 2019. We are in completely uncharted territory. <https://350.org/science/>

Ontario is in a blessed position – not near any oceans, fairly removed from the equator. The province is however on track to be warmer than most other places in a range of > 2.5-3.7c by 2050. While it’s a global problem, the impacts differ regionally and often are felt more acutely. Winter is wetter; cities are warmer (Toronto 3c +). Then there are climate extremes. Just going back to the 1960s, climate extremes are 4 xs worse in North America.

**It’s not if, it’s when:** drought, floods, fire, storms. It is showing up in insured losses. Just in Ontario, insured losses were up \$1.4B in 2018. The insurance companies issued a report in March where they said that for every billion they are spending for losses due to catastrophic weather; their best guess is that the public sector (all levels of govt) is losing \$3B in damaged assets. The biggest short-term Canadian risk is catastrophic damage to physical infrastructure in the next 20 years i.e., damage that will cost billions of dollars.

The emergency is coming into focus. The Intergovernmental Panel on climate change (IPCC) was established after the signing of the Paris Accord to provide reliable, scientific, factual data. They issued their 5<sup>th</sup> assessment report in 2014 and more recently a series of special reports. Staying under 2c may not be okay. (We’re almost at 1.5c) One of their recent reports says that the difference between 1.5 v 2c is **major**. A world that is 2c warmer will be much worse off: Heavy precipitation, extreme heat, droughts, sea levels and most importantly, the ability of human and natural systems to adapt will be near collapse.

IPCC Scnd report August 2019 on land and food: The climate crisis is already affecting food quality and security. It was a similar assessment on the oceans and cryosphere (everything frozen). The oceans are in crisis and everything frozen is melting faster, and faster and faster. The coast of Alaska was ice-free in summer 2019; last year one-third of the Bering Sea melted in the dark in five days (before the sun started to come out)....

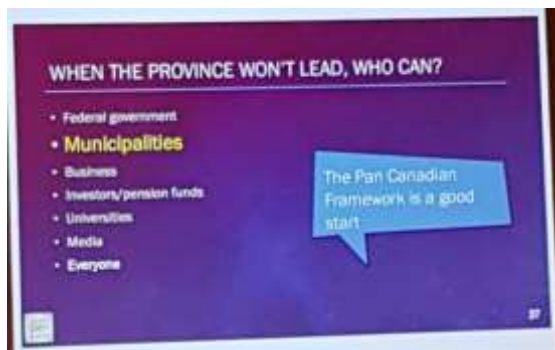
Another set of science coming out on biodiversity shows 1 M species are at risk. The World Health Organization considers climate change as one of the biggest global health threats of this century. The health damage is going to be twice as much as the cost of climate change.

Life-changing infections are on the move. Lyme disease incidence is soaring as ticks can overwinter. In Dr. Saxe's opinion, we have already wasted so much time – The science tells us that without massive, immediate reversal; i.e., getting off fossil fuels, it really means the bringing human and natural systems to the brink of extinction.

If we want a 2c world, which is much less stable and safe than today, with major economic damage but survivable for most, then we can only emit 75% of 2010 GhGs by 2030. We must cut emissions annually by 5% NOW. And Canada is among the luckiest places in the world.

*Is it too late for today's young people to have the environment we have enjoyed?* Yes, it is too late. YET there is time to forestall more damage.

## ACTION



Set Paris Agreement consistent targets: for a 2c (warmer) world or a 1.5c (warmer) world. Set an emissions budget that is linked to capital planning, fleet operations, building renovations, flights, waste management, and investments. You must measure and be accountable. If building a new road, something else has to be given up.

- Study what other leading communities are doing. Carbon-free Boston: become carbon neutral by 2050. In 30 years, the community can only release as much carbon pollution as the environment can safely absorb. <https://www.boston.gov/departments/environment/carbon-free-boston>

Transportation (examples)

- electric buses
- Set examples and send messages through action: City officials on bikes, e-bikes, small EVs
- Visible EV charging at all municipal sites
- Priority bike parking

- Approach Libro for loans to buy e-bikes

Buildings (examples)

- Building energy benchmarking and disclosure (live reports on energy use in foyer of muni bldgs.)
- Establish green building standards
- Cool/Green roofs
- Sensor activated LEDs (sensors are cheap!) Send messages constantly and consistently
- Renewable energy/storage systems
- Implement top climate change makers from Drawdown.org
- Solar on waste facilities (Raymond AB)
- Fayetteville Alabama - solar panel supplier built a solar generation system and the city signed a multi-year contract to buy that power.

Operations (examples)

- Serve no meat
- Use no disposables
- Temperature regulation (dress codes, persona space fans and heaters)
- Ban organic waste
  - o Co-digest with sewage sludge, use the methane for transport (intermediate step to electric buses or for city fleet (City of Stratford is going this way!) Toronto organic waste-fuelled garbage trucks
- Transparency on flights- How many? How far? Purchase of carbon offsets?
- Who is accountable? Are you prepared to accept responsibility for emission budgets?

Nobody can do it all, but we all can do something. Municipalities can lead in areas they control.

- Direct footprint
- Infrastructure
- Bylaws (ban idling, ban drive-throughs, launch a no idling campaign)
- Tax structure
- Procurement
- Investments
- Site Use

**Lead through collaboration**

- Partnerships with business / NGOs / UWO and Fanshawe
- Act as host or enabler of: tool library, clothing swaps, waste exchange, EV charging, community solar, B2B dating service... helping to match small businesses with markets and suppliers who want to make a change for the better
- joint purchasing with other municipalities to have the buying power to make bigger investments in solar or other green investments

**Have a climate lens for every discussion**

- Will this reduce our total GhGs per service-based target?
- Will this make the transition to a low carbon economy easier?

Transportation is the #1 GHG emitter in Ontario. Ontarians drive more than ever, in the most polluting cars. In fact Canada has beat out all other countries...

Exhaust from tail pipe emissions has enormous public health harm. We drive so much b/c of land use decisions. 3 out of 4 Ontarians live in areas that require them to drive to work, shop, recreate.... Need to stop urban sprawl.

We need to grow in, not out and make zero carbon mobility fast and safe. Seville Spain turned 5,000 parking spots into 170 km of raised bike lanes, built at the same level as the sidewalks. It started with a poll “would you like to ride safely around Seville” majority said yes. It was followed by lots of public input (on the how) and the first 80 km were done in 18months. This was all done before the next civic election, such that everyone had a chance to get used to it. The investment had a BIG payoff: the 32M euros cost serves 70,000 bike trips/day - - the same cost as a 6km highway. Subway cost 800M euros to serve 44,000 trips / day.

#### Urban-rural opportunities

- Measure and value ecosystem services, e.g. Protection of woodlots and wetlands by farms and other landowners – given them compensation, or at least recognition
- Perhaps offsets can be created from the above example. With the carbon tax having survived the federal election, there will be a growing market for offsets from the industrial sector.
- Consider food waste to animal feed; compost to soil amendments
- Bike tourism

Having a future will cost money; no one will do it for us. Since we’ve put money first for so long it’s time to change the yardstick used to measure progress and development.

Some options: generate local revenue through road pricing, parking

Polluter pays re. Land use costs, e.g., storm water

Reallocate existing assets / revenue

Collaborate with major local players

Community ownership (create opportunities for local people to invest in green economy initiatives, e.g.

Approach libro ....)

Seville arranged for affordable bike rentals by approaching a marketing company who put up billboards in area of the bike rentals in exchange for subsidizing first half-hour free on bikes.

#### **KNOWLEDGE + ACTION = HOPE**

Brief update on City action by Jan Stanford

Panel discussion:

Amber Cantell - Director of Programs, ReForest London

John Fleming - Managing Director, Planning and City Planner, City of London

Genevieve Langille - Grade 12 Student and the London Climate Strike Organizer

All panelists endorsed Dr. Saxe’s message that climate change is THE single most critical issue for life on the planet. London won't face the kind of flooding coastal cities will, or the wildfires already impacting the west coast and the boreal forest to the north. Drinking water supplies may not be in immediate danger; but at the end of the day - if food, water, and resource systems are collapsing in other communities around the globe, it is reason enough to take action. The knock-on effects to water supply, air quality, food security, demand for housing, and the dramatic increase in the need for humanitarian aid will all be devastating. Climate change will impact everything, and we need to start considering that impacts elsewhere can be every bit as important as impacts here.

**ADVISORY COMMITTEE ON THE ENVIRONMENT - 2019 WORK PLAN**

*(updated September 23, 2019)*

Project / Initiative & Background	Lead/ Responsible	Proposed Timeline	Proposed Budget	Actual Expenditure	Link to Strategic Plan	Status
<p><b><u>Waste</u></b></p> <p><b>Managing organic waste</b></p> <p>1. Review &amp; prioritize leading edge waste management systems that focus on waste as a resource technology (biogas, anaerobic digester, landfill gas recovery – e.g. Edmonton Waste Management Centre of Excellence)</p> <p>2. Follow the progress of City regarding development of a Resource Recovery Centre for London (invite staff members speak to ACE)</p> <p>3. Continue research into organic waste diversion. Examine other cities’ highly successful green bin programs (i.e. Toronto, Halton, Markham)</p> <p><b>Resource Recovery</b></p> <p>4. Monitor &amp; review on-going resource recovery initiatives.</p> <p><b>Landfill Expansion</b></p> <p>5. Monitor &amp; review on-going landfill expansion, including plan to get to 60% diversion.</p>	<p>Waste sub-committee</p>	<p>On-going</p>	<p>\$0</p>		<p>Building a Sustainable City 1-Robust Infrastructure D-Increase efforts resource recovery/ long-term disposal capacity/ reducing community impacts (p. 11 #1D)</p> <p>Building a Sustainable City 3-Strong and Healthy Environment D-Support resident/community driven initiatives... (p.12 #3D)</p> <p>Growing Our Economy 3-Local, Regional and Global Innovation B-Lead development of new ways to resource/energy recovery... (p. 17B)</p> <p>Leading in Public Service 3-Proactive Financial Management A – Well planned finances/limit burden on current and future rate payers. (p.21 #3A)</p>	<p>Received an excellent presentation and participated in an interactive discussion from Barry Orr, Sewer Outreach and Control Inspector – March 7, 2018</p> <p>Subsequent motion regarding the “Toilets Are Not Garbage Cans” stickers made at June 6, 2018 meeting.</p> <p>Received a presentation from Claudia Marsales, Senior Manager, Waste Management Services, City of Markham regarding Waste Management Options on June 6, 2018.</p> <p>Sub-committee members have attended the City Waste Management Work Group meetings on Landfill expansion discussions.</p> <p>The committee submitted a report to the Civic Works Committee regarding residential waste management issues July 4, 2018.</p> <p>Be mindful of the City’s declaration of a climate emergency in all approaches to waste reduction and diversion.</p>

Project / Initiative & Background	Lead/ Responsible	Proposed Timeline	Proposed Budget	Actual Expenditure	Link to Strategic Plan	Status
<p><b><u>Sustainability Commitment</u></b></p> <p>6. Request updates from Greg Barrett regarding Resiliency Strategic Plan status.</p> <p>7. Support further actions in regards to sustainability &amp; resiliency.</p>	Sustainability & Resiliency sub-committee	Remainder of 2019	\$0		Building a Sustainable City 3-Strong and Healthy Environment	
<p><b><u>Community Education</u></b></p> <p>8.Support community events directly and indirectly, as possible to increase awareness of environmental issues.</p> <ul style="list-style-type: none"> <li>Partner with London Public Library &amp; London Environmental Network to organize a second series of “Green in the City” talks</li> </ul>	ACE	November 2019	\$500		Strengthening Our Community  Building a Sustainable City  Growing Our Economy  Leading in Public Service	
<p><b><u>Renewable Energy</u></b></p> <p>9. Explore possibilities for hydro-electric along Thames River</p> <p>10. Explore solar energy on municipally-owned buildings</p> <p>11. Ensure that co-generation/local electricity generation initiatives do not negatively impact the City of London carbon-dioxide emissions targets and carbon footprint or compromise local air quality</p>	Energy sub-committee	Remainder of 2019	\$0		Building a Sustainable City  -Robust Infrastructure... Page 11, item 1B  -Strong & healthy environment...Page 12, item 3A thru F, 5B	
<p><b><u>Community Energy Action Plan</u></b></p> <p>12. Provide input on 2019 review.</p>	Energy Sub-Committee	Fall 2019	\$0		Building a Sustainable City  -Robust Infrastructure... Page 11, item 1B  -Strong & healthy environment...Page 12, item 3A thru F, 5B	



Project / Initiative & Background	Lead/ Responsible	Proposed Timeline	Proposed Budget	Actual Expenditure	Link to Strategic Plan	Status
<p><b><u>Built Environment</u></b></p> <p>13. Develop a draft green roof by-law</p>	Energy sub-committee		\$0		Building a Sustainable City -Robust Infrastructure... Page 11, item 1B -Strong & healthy environment...Page 12, item 3A thru F, 5B	<ul style="list-style-type: none"> <li>Find out if City staff are already working on this by-law</li> </ul>
<p><b><u>City Budget</u></b></p> <p>14. Review and provide feedback on budget.</p>	ACE	November/December 2019	\$0		Leading in Public Service	<ul style="list-style-type: none"> <li>Budget consultations take place in December</li> </ul>
<p><b><u>Committee Member Education &amp; Development</u></b></p> <p>22. Assist ACE members with registration fees for conferences pertaining to ACE mandate</p>		October to December 2019	Maximum of \$1000		ALL	<ul style="list-style-type: none"> <li>Members who attend conferences with financial help from ACE will provide a written report about their findings to go on the next ACE agenda, and give a verbal report at the meeting.</li> </ul>

## ADVISORY COMMITTEE ON THE ENVIRONMENT - 2020 WORK PLAN

*(Updated February 5, 2020 – The status column reflects the actions of the renewed committee, established in Sept. 2019) ACE looks forward to reaching its full complement of members in March/April 2020.*

Project / Initiative & Background	Lead/ Responsible	Proposed Timeline	Proposed Budget	Actual Expenditure	Link to Strategic Plan	Status
<p><b><u>Waste</u></b></p> <p><b>Managing organic waste</b></p> <p>1. Review &amp; prioritize leading edge waste management systems that focus on waste as a resource technology (biogas, anaerobic digester, landfill gas recovery – e.g. Edmonton Waste Management Centre of Excellence)</p> <p>2. Follow the progress of City regarding development of a Resource Recovery Centre for London (invite staff members speak to ACE)</p> <p>3. Continue research into organic waste diversion and bring successful models to attention of the City</p> <p><b>Resource Recovery</b></p> <p>4. Monitor &amp; review on-going resource recovery initiatives with a particular focus on diversion of textiles, plastics and small appliances.</p> <p><b>Landfill Expansion</b></p> <p>5. Monitor &amp; review landfill expansion, including plan to get to 60% diversion.</p>	Waste sub-committee	On-going	\$0		<p>Building a Sustainable City</p> <ul style="list-style-type: none"> <li>-Robust Infrastructure</li> <li>-Increase resource recovery/ long-term disposal capacity/ reducing community impacts</li> </ul> <p>Building a Sustainable City</p> <ul style="list-style-type: none"> <li>-Strong and Healthy Environment</li> <li>-Support resident/community driven initiatives</li> </ul> <p>Growing Our Economy</p> <ul style="list-style-type: none"> <li>-Local, Regional and Global Innovation</li> <li>-Lead development of new ways to resource/energy recovery</li> </ul>	<p>Detailed review of Additional Investment Business Case #1 – 60% Waste Diversion Action Plan –ratified at Feb 5 ACE meeting. The review will form part of the ACE feedback on the 2020-2023 multi-year budget.</p>
<p><b><u>Sustainability</u></b></p> <p>6. Support actions in regards to sustainability &amp; resiliency.</p> <p>6 a) Plan to establish a resiliency sub-committee when ACE achieves a full complement of members (four seats to be filled in the coming months).</p>	ACE	Ongoing in 2020	\$0		<p>Building a Sustainable City</p> <ul style="list-style-type: none"> <li>-Strong and Healthy Environment</li> </ul>	<p>Submitted to PEC a climate action and renewable energy recommendation pertaining to the City-wide Urban Design Guidelines (Dec. 2019).</p> <p>Participation in start-up Bird-Friendly Development Working Group – D. Szoller (ongoing)</p> <p>Participation in the development of the EEPAC Environmental Management Guidelines – D. Szoller (ongoing)</p>

Project / Initiative & Background	Lead/ Responsible	Proposed Timeline	Proposed Budget	Actual Expenditure	Link to Strategic Plan	Status
6 b) Act as a resource group to London citizens and organizations engaged in sustainability initiatives.						London Chapter of the Council of Canadians has requested delegation status at March/2020 ACE meeting regarding the Blue Community Project. City staff will be invited in order to provide update on City actions.
<p><b><u>Community Education</u></b></p> <p>7. Support community events to increase awareness of environmental issues and that help to mobilize citizens to consider their carbon footprint.</p>	ACE	Ongoing in 2020	Up to \$750		<p>Strengthening Our Community</p> <p>Building a Sustainable City</p>	<p>ACE sits on planning committee for London's Premier Zero Waste Festival &amp; Conference, June 13, 2020 - R. Sirois (ongoing)</p> <p>Participation in various events such as Go Wild Grow Wild Green Expo, April 18, 2020 (TBD)</p> <p>Set-aside of funds (see proposed budget) to collaborate with community ENGOs on events that advance city commitments related to environmental resilience, sustainability and the city climate change action plan.</p> <p>Reprinted <i>Pollinator Friendly Gardens</i> brochure for use at public events. (\$350 – 2019 budget)</p> <p>Supported Green in the City lecture series, Fall 2019 (\$500 – 2019 budget)</p>
<p><b><u>Corporate Energy Management Program</u></b></p> <p>8. Provide feedback on Corporate Energy Management Program as part of the City's annual review.</p>	Energy sub-committee	2020	\$0		<p>Building a Sustainable City</p> <p>-Robust Infrastructure</p> <p>-Strong &amp; healthy environment</p>	
<p><b><u>Climate Emergency Action Plan</u></b></p> <p>9. Monitor and provide input to the development of the new London Climate Emergency Action Plan.</p> <p>9 a) Act as a resource group to London citizens and organizations engaged in climate change</p>	<p>Energy Sub-Committee and</p> <p>ACE</p>	2020	\$0		<p>Building a Sustainable City</p> <p>-Robust Infrastructure</p> <p>-Strong &amp; healthy environment</p>	<p>In the context of reducing greenhouse gas emissions through active transportation, reviewed the Cycle Advisory Committee's Input to Cycling Master Plan – submitted comments and recommendations to PEC (February 2020)</p> <p>Delegation from graduate students in the Centre for Environment and Sustainability, UWO – April 2020 meeting. Will learn their research findings related to climate change mitigation and adaptation. City Staff invited.</p>

Project / Initiative & Background	Lead/ Responsible	Proposed Timeline	Proposed Budget	Actual Expenditure	Link to Strategic Plan	Status
<p><b><u>City Budget</u></b></p> <p>10. Review and provide feedback on 2020-2023 multi-year budget</p>	ACE	February 2020	\$0		Leading in Public Service	Participation at February 13, 2020 Public Participation Meeting
<p><b><u>Committee Member Education &amp; Development</u></b></p> <p>11. Assist ACE members with registration fees for conferences pertaining to ACE mandate</p>		2020	Maximum of \$750		ALL	<p>R. Sirois attended Zero Waste Conference October 2019 – presentation delivered to ACE with City officials in attendance, January 2020. (\$250 ACE subsidy – 2019 budget)</p> <p>D. Szoller attended Trans-Disciplinary Theory, Action and Practice Conference - October 2019 – Presentation to ACE in March 2020 (\$300 ACE subsidy – 2019 budget).</p>

With respect to an ACE non-voting member from the University of Western Ontario, ACE is seeking a faculty or graduate student in a relative discipline such as environmental studies, sustainability or geography. The committee has found that the Institute of Catastrophic Research and the Biodrome has been unable to participate; therefore, the committee wishes to widen the field of possible candidates in order to be able to benefit from university expertise.

D. Szoller

Hello

I am writing to request delegation status in order to present the Blue Community project to ACE in March 2020 .This project was presented previously in 2018 . After city staff report to the Civic Works Committee the application was received for information. It was directed back to the ACE in April 2019.

We are asking for further hearing and have attempted to address the questions arising from the staff report.

The Blue Community project began in Canada in 2009 through the Council of Canadians and has since been adopted by 52 municipalities globally and 14 communities. A Blue Community

resolves that water and sanitation are human rights

resolves to phase out or ban sale of bottled water at municipal sites and events

resolves to promote publicly owned and operated water and waste water services

London is well positioned to uphold these values that enshrine water as a common resource and public trust.

We hope to present this project to you in person but have succinct advance information to submit beforehand.

Thank you for considering our request,  
Lynn Brown , chair, Blue Community London

To: Rose Sirois, Chair, City of London Advisory Committee on the Environment  
CC: Jerri-Joanne Bunn, City Clerk, City of London

From: Brennan Vogel, PhD  
Date: January 28, 2020

**RE: Student Presentation to ACE regarding the Climate Change Emergency Plan**

Hi There -

I hope this email finds you well.

On behalf of graduate students in the Centre for Environment and Sustainability at the University of Western Ontario, I would like to request an audience with ACE at the April 1, 2020 meeting to make a short 15 minute presentation.

Our delegation wishes to share some of the key research findings of the ENVR 9012: Planning and Management class with ACE for further committee, staff and council consideration in the formulation of tangible mitigation and adaptation climate actions and policy measures for inclusion in the City of London Climate Change Plan currently under development.

Should you require further information or clarification, please do not hesitate to let me know.

On behalf of the students and myself, thank you for your consideration and we look forward to hearing from you soon.

Best regards,

Brennan Vogel, PhD  
Centre for Environment & Sustainability  
University of Western Ontario