

# 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 (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.

## 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>	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><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>



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<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>