

3RD REPORT OF THE
ADVISORY COMMITTEE ON THE ENVIRONMENT

Meeting held on February 7, 2018, commencing at 12:19 PM, in Committee Room #4, Second Floor, London City Hall.

PRESENT: S. Ratz (Chair), K. Birchall, M. Bloxam, S. Brooks, S. Hall, M. Hodge, L. Langdon, G. Sass, N. St. Amour and D. Szoller and J. Bunn (Secretary).

ABSENT: R. Harvey, J. Howell, T. Stoiber and A. Tipping.

ALSO PRESENT: T. Arnos, T. Copeland, M. McKillop, D. Pavletic and J. Stanford.

I. CALL TO ORDER

1. Disclosures of Pecuniary Interest

That it BE NOTED that no pecuniary interests were disclosed.

II. SCHEDULED ITEMS

2. City of London's Pollution Prevention and Control Plan (PPCP)

That it BE NOTED that the attached presentation from M. McKillop, Environmental Services Engineer, related to the City of London's Pollution Prevention and Control Plan (PPCP), was received.

III. CONSENT ITEMS

3. 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 10, 2018, was received.

4. 1st Report of the Agriculture Advisory Committee

That it BE NOTED that the 1st Report of the Agricultural Advisory Committee, from its meeting held on January 17, 2018, was received.

5. 1st Report of the Waste Management Working Group

That it BE NOTED that the 1st Report of the Waste Management Working Group, from its meeting held on January 18, 2018, was received.

6. Public Information Centre #2 - Schedule B Environmental Assessment - East London Servicing Study

That it BE NOTED that the Notice of Public Information Centre #2 from K. Oudekerk, Wastewater Treatment Operations, City of London and T. Mahood, CH2M Hill Canada Limited, related to the Schedule B Environmental Assessment for the East London Servicing Study, was received.

IV. SUB-COMMITTEES & WORKING GROUPS

None.

V. ITEMS FOR DISCUSSION

7. Event Considerations for ACE in 2018

That it BE NOTED that the Advisory Committee on the Environment held a general discussion related to possible events to participate in, or host, in 2018.

8. Sub-Committee List

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

9. Work Plan

That the following actions be taken with respect to the Advisory Committee on the Environment (ACE) Work Plans:

- a) the revised, attached 2018 Work Plan for the Advisory Committee on the Environment BE FORWARDED to the Municipal Council for consideration; and,
- b) the revised, attached 2017 Advisory Committee on the Environment Work Plan Summary BE FORWARDED to the Municipal Council for their information.

VI. DEFERRED MATTERS/ADDITIONAL BUSINESS

10. (ADDED) West London Dyke Erosion Control - Municipal Class Environmental Assessment - Notice of Public Information Centre

That it BE NOTED that the Notice of Public Information Centre from C. Gorrie, Stantec Consulting Ltd. and S. Bergman, Stantec Consulting Ltd., related to the West London Dyke Erosion Control Municipal Class Environmental Assessment, was received.

11. (ADDED) Budget Adjustment - Event Funds

That the money, in the amount of \$10.75, left-over from the Urban Agriculture event held by the Advisory Committee on the Environment (ACE) in 2016 BE DEPOSITED into the ACE 2018 budget.

VII. ADJOURNMENT

The meeting adjourned at 1:50 PM.

NEXT MEETING DATE: March 7, 2018



Pollution Prevention and Control Plan

Advisory Committee on the Environment
February 7, 2018

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Pollution Prevention and Control Plan (PPCP)

- Overview
- Phases
- Mitigation Strategies
- Current Status

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PPCP Overview

- Long term strategy to identify, investigate, and reduce sewer system overflows (SSOs) in the City
- Initiated in 2012 in accordance with MOECC Procedure F-5-5
- Undertaken as a Master Plan in accordance with the Municipal Engineers Association Municipal Class Environmental Assessment

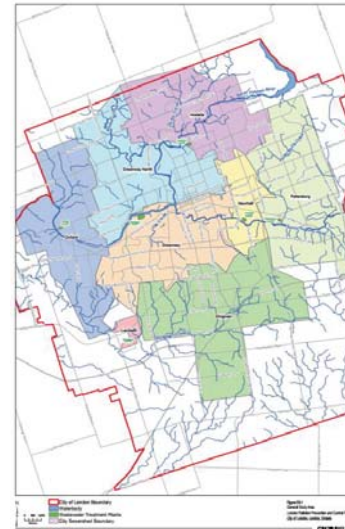


Sanitary sewer manhole with overflow to storm sewer

- **Mission Statement:**

The PPCP will provide the City of London with a road map for implementation of infrastructure improvement projects that will mitigate the impacts of wet weather system overflows on the Thames river and its tributaries, in alignment with the City's commitment to environmental stewardship and protection of water resources.

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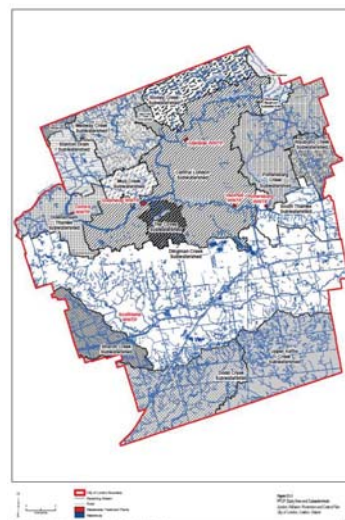
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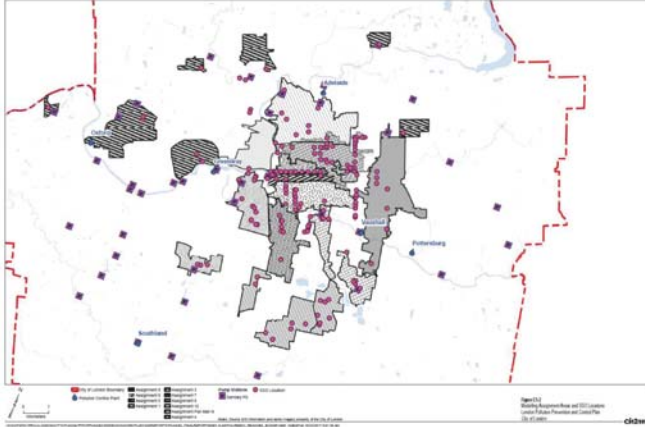
PPCP Phases

- Focus: conveyance system including pumping stations
- Implemented in three phases:
 - Phase 1:
 - Develop an inventory of SSOs by sewershed
 - Assess available water quality data for the Thames River
 - Phase 2:
 - Complete benthic and water quality characterization of the Thames River
 - Characterize SSOs through 12 separate flow monitoring and hydraulic modelling assignments
 - Develop a priority list of SSOs based on:
 - Receiver water quality/level of impairment
 - Volume of overflow (for an average year)
 - Develop groups/families of related SSOs
 - Phase 3
 - Complete screening of prioritized SSO groups to identify preferred strategies for mitigation
 - Review alternatives strategies for prioritized SSO groups
 - Develop an implementation plan

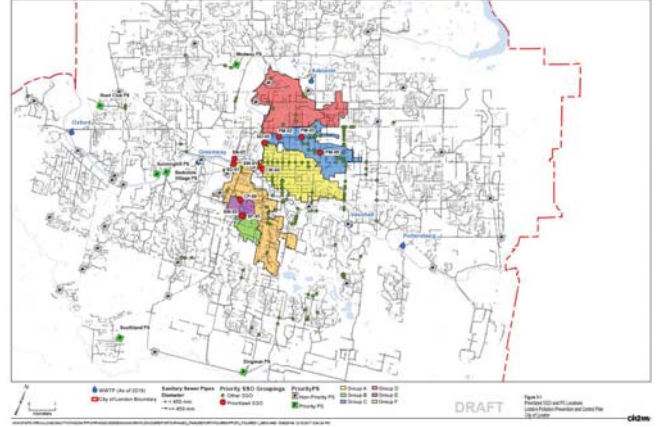
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PPCP – SSO Mitigation Strategies

- Source Control:
 - Best management practices to reduce wet weather flows from entering the sewer system (e.g. weeping tile disconnection)
- Conveyance and End-of-Pipe Controls:
 - Weir and overflow adjustments
 - Sewer separation
 - Real time flow control
 - Inline storage
 - Offline storage
 - Pumping station modifications and/or upgrades
 - High rate treatment

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PPCP Current Status

- Phase 1:
 - Completed in 2014
- Phase 2:
 - Completed in early 2018
- Phase 3
 - Finalizing the report including the evaluation of alternative strategies for the prioritized overflows
 - To be completed in March 2018, including the implementation plan

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Questions?

For more information:
www.london.ca/ppcp

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ADVISORY COMMITTEE ON THE ENVIRONMENT - 2018 WORK PLAN

(updated February 7, 2018 by Susan Ratz)

Project / Initiative & Background	Lead/ Responsible	Proposed Timeline	Proposed Budget	Actual Expenditure	Link to Strategic Plan	Status
<p><u>Waste</u></p> <p>Managing organic waste</p> <p>1. Review & prioritize leading edge waste management systems that focus on waste as a resource technology (Biogas, Anaerobic Digester facility, landfill gas recovery i.e. 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. Review the new Ontario Acts and legislation and how they will affect the City's direction and invite expert to speak on Provincial new policies.</p> <p>4. Continue research into organic waste diversion. Examine other cities' highly successful Green Bin programs (ie. Toronto, Halton) Invite a representative from successful Green Bin program to speak to ACE.</p> <p>Resource Recovery</p> <p>5. Monitor & review on-going resource recovery initiatives.</p> <p>Landfill Expansion</p> <p>6. Monitor & review on-going landfill expansion.</p>	<p>Waste Sub-Committee with Janice Howell as Sub-Cmte Chair coordinating</p>	<p>On-going</p>	<p>tbd</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>	

Project / Initiative & Background	Lead/ Responsible	Proposed Timeline	Proposed Budget	Actual Expenditure	Link to Strategic Plan	Status
<p><u>ACE Sub-Committee Communication Support / General</u></p> <p>7. From Joint Education & Outreach meetings with other advisory committee representatives in 2016 provide recommendations for Advisory Committee reception, and clarify common issues that were raised in the meetings.</p> <p>8. Continue to communicate and liase with other advisory committees as appropriate.</p> <p>9. Investigate opportunities to recognize and involve indigenous communities in ACE activities.</p>	<p>Susan Ratz</p> <p>Susan Ratz/ Chair</p> <p>Mary Ann</p>	<p>March / April 2018</p> <p>As appropriate</p> <p>tbd</p>	<p>\$0</p>		<p>Leading in Public Service 4-Collaborative, engaged leadership. A-Continue to build strong working relationships between City Council, Civic Administration, the City's agencies, boards and commissions, and community partners. (p.22 #4A)</p>	
<p><u>Natural Environment</u></p> <p>10.Urban Agriculture – Monitor progress as per Urban Agriculture Strategic Plan</p> <p>11.Pollinator Sanctuary Status & Related Issues</p>	<p>Natural Environment Sub-Committee</p>	<p>On-going</p> <p>tbd</p>	<p>\$0</p>		<p>Building a Sustainable City 3-Strong and Healthy Environment</p>	<ul style="list-style-type: none"> ACE member Diane Szoller to represent ACE on Urban Agriculture Steering Committee. (as per January 2018 ACE meeting)
<p><u>Sustainability Commitment</u></p> <p>12. Request updates from Greg Barrett regarding Resiliency Strategic Plan status.</p> <p>13. Support further actions in regards to sustainability & resiliency.</p>	<p>Susan Ratz</p> <p>Sustainability Sub-Committee</p>	<p>March/April 2018</p> <p>As needed</p>	<p>\$0</p>		<p>Building a Sustainable City 3-Strong and Healthy Environment</p>	
<p><u>Community Education</u></p> <p>14.Support community events directly and indirectly, as possible to increase awareness of environmental issues.</p>	<p>tbd</p>	<p>tbd</p>	<p>tbd</p>		<p>Strengthening Our Community</p> <p>Building a Sustainable City</p> <p>Growing Our Economy</p> <p>Leading in Public Service</p>	<ul style="list-style-type: none"> Proposed ideas for 2018 submitted to ACE at February 2018 meeting and were discussed.

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					(to adjust based on focus of event)	
<p><u>Renewable Energy</u></p> <p>15. Explore possibilities for hydro-electric along Thames River</p> <p>16. Explore solar energy on municipally-owned buildings</p> <p>17. 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		\$0		<p>Building a Sustainable City</p> <p>-Robust Infrastructure... Page 11, item 1B</p> <p>-Strong & healthy environment... Page 12, item 3A thru F, 5B</p>	
<p><u>Community Energy Action Plan</u></p> <p>18. Provide input on 2018 review.</p>	Energy Sub-Committee		\$0		<p>Building a Sustainable City</p> <p>-Robust Infrastructure... Page 11, item 1B</p> <p>-Strong & healthy environment... Page 12, item 3A thru F, 5B</p>	
<p><u>Built Environment</u></p> <p>19. Identify key items to review.</p> <p>20. Develop a draft green roof by-law</p>	<p>Built Environment Sub-Committee</p> <p>Diane Szoller</p>		\$0		<p>Building a Sustainable City</p> <p>-Robust Infrastructure... Page 11, item 1B</p> <p>-Strong & healthy environment... Page 12, item 3A thru F, 5B</p>	

Project / Initiative & Background	Lead/ Responsible	Proposed Timeline	Proposed Budget	Actual Expenditure	Link to Strategic Plan	Status
<p><u>Dark Sky Policy</u></p> <p>20. Review proposed policy developed by Dark Sky Working Group. <i>(Working group includes members of Animal Welfare, Environmental and Ecological Planning and Environment Advisory Committees.)</i></p>	Susan Hall	Dependent on EEPAC.	\$0		Building a Sustainable City -Strong and healthy environment... Page 12 3D -Beautiful places and spaces 4C	
<p><u>City Budget</u></p> <p>21. Review and provide feedback on budget.</p>	tbd	To be reviewed	\$0		Leading in Public Service	
<p><u>Committee Member Education & Development</u></p> <p>22. Request staff presentations on issues as appropriate.</p>		On-going / as needed.	\$0		ALL	

ADVISORY COMMITTEE ON THE ENVIRONMENT - 2017 WORK PLAN

(updated January 30, 2018 by Susan Ratz)

Project / Initiative & Background	Lead/ Responsible	Proposed Timeline	Proposed Budget	Actual Expenditure	Link to Strategic Plan	Status
<p><u>Managing organic waste</u></p> <p>1. Review & prioritize leading edge waste management systems that focus on waste as a resource technology (Biogas, Anaerobic Digester facility, landfill gas recovery i.e. 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. Review the new Ontario Acts and legislation and how they will affect the City's direction and invite expert to speak on Provincial new policies.</p> <p>4. Continue research into a Green Bin program for the next budget (3 years) Examine other cities' highly successful Green Bin programs (ie. Toronto, Halton) Invite a representative from successful Green Bin program to speak to ACE.</p>	<p>Waste Sub-Committee</p>	<p>Item 1 – Report submitted Dec 2017</p> <p>Items 2 -4 During 2017/2018</p>	<p>\$150 for speakers in 2017</p> <p><i>(adjusted as necessary versus other proposed items)</i></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>	<ul style="list-style-type: none"> • Several members attended various meetings including the Waste Open House May 5th. • A presentation from S. Langer and K. Desjardins, Diabetes Canada, with respect to a proposal related to increasing textile recycling in London was received at the May 3rd ACE meeting. • Received a presentation from J. Stanford, Director, Environment, Fleet and Solid Waste, and W. Abbott, Project Manager, with respect to the early stages of the residual waste disposal strategy (including Environmental Assessment for the expansion of the W12A Landfill) and the development of the resource recovery strategy – May 3rd ACE meeting. • Received and reviewed in May 2017 a staff report from G. Kotsifas, Managing Director, Development and Compliance Services and Chief Building Official and K. Scherr, Managing Director, Environmental and Engineering Services and City Engineer, dated April 24, 2017, with respect to the update and next steps for the review of impacts from industrial sources (focus on odour) and potential municipal actions (primarily south of Highway 401). • In May the ACE Waste sub-committee met with Matt Helfand, a City Councillor advisor, to review the recent provincial policies on Waste management. • The Waste Sub-Committee's comments on the Resource Recovery Strategy and Residual Waste Disposal Strategy were submitted via the June ACE meeting. • Staff reports, dated September 28, 2017, as originally submitted to the Waste Management Working Group by the Director, Environment, Fleet and Solid Waste, entitled "Update Report #5: Programs, Projects and Provincial Activities that will Inform and/or Influence Strategies" and "Decision Report #5: Residual Waste Disposal Strategy Scope of Work as part of the Environmental Assessment Process", were received at the November ACE meeting.

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						<ul style="list-style-type: none"> In October the Waste sub-committee met and provided feedback on the City's Waste Management Working Group reports (see January agenda).
<p><u>ACE Sub-Committee Communication Support</u></p> <p>5. Continue to Encourage and facilitate communication at the sub-committee level.</p> <p>6. Continue to encourage ACE members to participate in London Clean & Green activities.</p> <p>7. From Joint Education & Outreach meetings with other advisory committee representatives in 2016 provide recommendations for Advisory Committee reception, and clarify common issues that were raised in the meetings.</p>	Education & Outreach Sub-Committee	<p>Item 5&6 – Ongoing / As needed</p> <p>Item 7 – March/April 2017</p>	\$0	\$0	<p>Leading in Public Service 4-Collaborative, engaged leadership.</p> <p>A-Continue to build strong working relationships between City Council, Civic Administration, the City's agencies, boards and commissions, and community partners. (p.22 #4A)</p>	<ul style="list-style-type: none"> An idea for increasing networking at the annual Advisory Committee Reception were forwarded to the Mayor's office, and were subsequently implemented at the event.
<p><u>Natural Environment</u></p> <p>8. Help in establishing Working Groups for Urban Agriculture work</p> <p>9. Continue to be involved with the development of Urban Agriculture Strategy</p> <p>10. Continue conversation with City, EEPAC and Urban League during 2017 regarding development of a City ecosystems services master plan.</p> <p>11. Explore inclusion of concept of ecosystem services for staff planning processes</p> <p>12. Explore creation of environmental master plan as envisaged in London Plan</p> <p>13. Pollinator Sanctuary Status for the City of London – Review and get update from city staff.</p>	Natural Environment Sub-Committee	2017-2018	\$0 year 1	\$0	<p>Building a Sustainable City</p> <p>3-Strong and Healthy Environment</p>	<ul style="list-style-type: none"> Initiated working group organization for urban agriculture on Jan. 21, 2017 (Item 1) – FUAL Friends of Urban Agriculture London. Attended discussion with city staff on urban agriculture strategy February 2017. Hosted a joint Advisory Committee meeting re Urban Agriculture Draft Strategy May 4, 2017 with staff, consultants and members of the London-Middlesex Food Policy Council. Reviewed and forwarded input from the Accessibility and Animal Welfare advisory committees regarding the Urban Agriculture Strategy. Reviewed timing related to provincial Bees Act revisions. Initiated and met with Linda McDougall, Ecologist, Environmental and Parks Planning, Planning Services regarding Pollination related issues May 31, 2017. Received presentation with respect to the One River Master Plan Environmental Assessment Study from A. Rammeloo, Acting Division Manager, Stormwater Engineering at the October 2017 ACE meeting.

Project / Initiative & Background	Lead/ Responsible	Proposed Timeline	Proposed Budget	Actual Expenditure	Link to Strategic Plan	Status
<p><u>Sustainability Commitment</u></p> <p>14. Develop sustainability statement for City of London</p> <p>15. Develop sustainability map for City</p> <p>16. Put together proposal for the creation of a position of Sustainability Officer for the City of London</p>	Sustainability Sub-Committee	2017	\$0 year 1	\$0	Building a Sustainable City 3-Strong and Healthy Environment	
<p><u>Community Education</u></p> <p>17. Host an event open to the public regarding the environment.</p>	tbd	November 2017	\$1000 <i>(adjusted as necessary versus other proposed items)</i>	\$1413.36	Strengthening Our Community Building a Sustainable City Growing Our Economy Leading in Public Service (to adjust based on focus of event)	<ul style="list-style-type: none"> • Lead partner in the Resilient Cities Conference held November 18, 2017 attracting over 200 attendees. • Draft report submitted on January 2018 ACE Agenda. • Final report to be submitted for March or April 2018 ACE Agenda.
<p><u>Local Improvement Charges (LIC)</u> (priority for Energy sub-cmte)</p> <p>18. Continue to monitor status of using LICs to implement a PACE-style program.</p> <p>19. Continue to monitor pilot projects in other cities.</p> <p>20. Get ongoing updates from CHEERIO progress.</p> <p><u>Renewable Energy</u></p> <p>21. Explore possibilities for hydro-electric along Thames River</p> <p>22. Explore solar energy on municipally-owned buildings</p> <p>23. Ensure that co-generation/local electricity</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"> • The Energy Sub-Committee met Feb 1, 2017.

Project / Initiative & Background	Lead/ Responsible	Proposed Timeline	Proposed Budget	Actual Expenditure	Link to Strategic Plan	Status
<p>generation initiatives do not negatively impact the City of London carbon-dioxide emissions targets and carbon footprint or compromise local air quality</p> <p><u>Community Energy Action Plan</u></p> <p>24. Review current plan and monitor progress.</p>						
<p><u>Low-Impact Development</u> (priority for sub-cmte)</p> <p>25. Community improvement plans.</p> <p>26. Xeriscaping</p> <p>27. Continue to monitor and provide advice on stormwater management (incl. bioswales)</p> <p><u>Alternative Building Materials / Strategies</u></p> <p>28. Implement the Living Building Challenge as a City policy</p> <p>29. Develop a draft green-roof by-law</p> <p>30. Review the possibilities of heated sidewalks in urban areas (incl. My Dundas)</p> <p><u>Nighttime Issues</u></p> <p>31. Establish “night markets” in downtown core and Old East area: residents get more exercise and get more use out of existing infrastructure/ resources</p>	<p>Built Environment Sub-Committee</p>			<p>\$0</p>	<p>Building a Sustainable City</p> <p>-Strong & healthy environment...Page 12, item 3D</p> <p>-Beautiful places and spaces... Page 13, item 4ABC</p>	<ul style="list-style-type: none"> • The Built Environment sub-committee met Feb 2, 2017. • A presentation from G. Barrett, Manager, Long Range Planning and Research, with respect to the land development process, was received at the June ACE meeting. • A presentation from J. Ramsay, Project Manager, Rapid Transit Implementation, with respect to an update on the Rapid Transit Project, was received at the December 2017 ACE meeting.

Project / Initiative & Background	Lead/ Responsible	Proposed Timeline	Proposed Budget	Actual Expenditure	Link to Strategic Plan	Status
<p><u>Dark Sky Policy</u></p> <p>32. Review proposed policy developed by Dark Sky Working Group. <i>(Working group includes members of Animal Welfare, Environmental and Ecological Planning and Environment Advisory Committees.)</i></p>	ACE	Draft policy to be ready April/May for review.	\$0	\$0	Building a Sustainable City -Strong and healthy environment... Page 12 3D -Beautiful places and spaces 4C	<ul style="list-style-type: none"> Awaiting EEPAC's review of the Dark Sky Policy.
<p><u>City Budget</u></p> <p>33. Review and provide feedback on budget annually.</p>	ACE	Aug - Contact city staff to confirm consultation timelines. Oct-Dec – Review budget and provide feedback.		\$0	Leading in Public Service	<ul style="list-style-type: none"> Received presentation from A Dunbar (city) re Financial Planning & Gas Tax Funding (Feb 2017)
<p><u>Committee Member Education & Development</u></p> <p>34. Invite speakers to present to ACE on subjects relating to our scope. <i>(Where possible and appropriate presentations will be done virtually to minimize expense.)</i></p> <p>35. Members to attend conferences on subjects relating to scope of ACE. Any agreed upon conferences will have a written summary report on the conference and any impacts for London.</p>	ACE	2017	\$500 <i>(adjusted as necessary versus other proposed items)</i>	\$0	ALL	<ul style="list-style-type: none"> A presentation from K. Grabowski, Transportation Design Engineer, with respect to bike lanes, was received in March 2017. A presentation from R. Craven, Supervisor, Community Development with respect to the Neighbourhood Decision-Making Program, was received at the September ACE meeting.