

TO:	CHAIR AND MEMBERS WASTE MANAGEMENT WORKING GROUP MEETING ON JANUARY 18, 2017
FROM:	JAY STANFORD, M.A., M.P.A. DIRECTOR - ENVIRONMENT, FLEET & SOLID WASTE
SUBJECT:	UPDATE REPORT #8: PROGRAMS, PROJECTS AND PROVINCIAL ACTIVITIES THAT WILL INFORM AND/OR INFLUENCE STRATEGIES

RECOMMENDATION

That, on the recommendation of the Director - Environment, Fleet and Solid Waste, this report **BE RECEIVED** for information.

PREVIOUS REPORTS PERTINENT TO THIS MATTER

Relevant reports that can be found at www.london.ca under City Hall (Meetings – Advisory and other Committees) include:

- Update Report #5 - Programs, Projects and Provincial Activities that will Inform and/or Influence Strategies (September 28, 2017 meeting of the Waste Management Working Group (WMWG), Item #7)
- Update Report #2 - Programs, Projects and Provincial Activities that will Inform and/or Influence Strategies (June 14, 2017 meeting of the WMWG, Item #8)
- Resource Recovery Update (January 19, 2017 meeting of the WMWG, Item #7)

COUNCIL'S 2015-2019 STRATEGIC PLAN

Municipal Council has recognized the importance of solid waste management in its 2015-2019 - Strategic Plan for the City of London ([2015 – 2019 Strategic Plan](#)) as follows:

Building a Sustainable City

- Strong and healthy environment
- Robust infrastructure

Growing our Economy

- Local, regional, and global innovation
- Strategic, collaborative partnerships

Leading in Public Service

- Proactive financial management
- Innovative & supportive organizational practices
- Collaborative, engaged leadership
- Excellent service delivery

BACKGROUND

PURPOSE AND CONTEXT:

This report provides the Waste Management Working Group with an update on a number of projects, programs and provincial activities that will inform and/or influence the Resource Recovery and Residual Waste Disposal Strategies. This update covers the period September 13, 2017 to January 10, 2018.

DISCUSSION

In addition to ongoing efforts to maintain and/or improve existing waste diversion/resource recovery programs, listed below are additional initiatives that have been underway to assist with the advancement of waste prevention and resource recovery. The updates are for the period September 13, 2017 to January 10, 2018.

Initiative	Updates –September 13, 2017 to January 10, 2018
Amended Blue Box Program Plan	<ul style="list-style-type: none"> • A summary of the Draft Amended Blue Box Program Plan (a-BBPP) that was released on December 19, 2017 by Stewardship Ontario (SO) for a 28 day comment period (until January 15, 2018). SO is the Industry Funding Organization (IFO) that represents producer interests. The producers are those whose products and packaging is collected for recycling in municipal Blue Box programs; and • A CWC Report (January 9, 2018 meeting) <i>Request for Comments on the Draft Amended Blue Box Program Plan (Prepared By Stewardship Ontario)</i> provided London's feedback on the Draft a-BBPP for forwarding to the Resource Productivity and Recovery Authority (RPRA) and SO no later than January 15, 2018, with any additional comments following the Municipal Council meeting to be held on January 16, 2018. • The presentation associated with the above mentioned report is provided in Appendix A.
Proposed Food and Organic Waste Framework	<ul style="list-style-type: none"> • The proposed <i>Food and Organic Waste Framework</i>, was posted on the Environmental Bill of Rights Registry on November 16, 2017 for a 60 day period ending January 15, 2018. The proposed Food and Organic Waste Framework would make organic management programs mandatory in municipalities greater than 50,000 by 2025. • A CWC report (January 9, 2018 meeting) <i>Comments on Environmental Bill of Rights Registry - Proposed Food and Organic Waste Framework</i> provides Committee and Council with: <ul style="list-style-type: none"> • A summary of the Ministry of Environment & Climate Change (MOECC) Proposed Food and Organic Waste Framework (Framework) including the potential impacts to London (including residents and businesses); and • The City of London's comments on the Framework for approval and forwarding to the Environmental Bill of Rights (EBR) Registry no later than January 15, 2018. • The presentation associated with the above mentioned report is provided in Appendix B. • See additional rows below for other organics related work.
Avoiding Food Waste	<ul style="list-style-type: none"> • Food waste avoidance (management) pilot project with Western University started in September. • Pilot project in curbside and multi-residential homes and involves education and providing tools • Preliminary results are expected in spring 2018.
Waste Characterization and Composition	<ul style="list-style-type: none"> • City of London is currently participating in several major waste composition and characterization studies: • 4 season residential waste composition study from approximately 100 homes and five multi-residential buildings. Activities began in fall 2017. Winter 2018 audits are currently underway with spring and summer audits to follow. These

Initiative	Updates –September 13, 2017 to January 10, 2018
	<p>audits are paid for by Stewardship Ontario (industry) and occur every couple of years across Ontario.</p> <ul style="list-style-type: none"> • Food waste characterization study (avoidable versus not avoidable food waste) as part of the above audits. • Food waste characterization study (avoidable versus not avoidable food waste) as part of the Western University Household Food Waste Survey. • Food waste characterization study (avoidable versus not avoidable food waste) in five multi-residential buildings.
Home Composting/ Community Composting	<ul style="list-style-type: none"> • Continued engagement in community efforts that support composting education, including home composting and community composting at multi-residential buildings. • The Urban Agricultural Strategy has references and activities associated with home and community composting and food rescue. The strategy has recently been approved by Council.
Mixed Waste Processing	<ul style="list-style-type: none"> • London is one of seven Ontario municipalities that is part of a Municipal Working Group for Mixed Waste Processing (led by the Region of Peel). • Ongoing discussions and information sharing with Working Group. Most recent meeting occurred in December 2017. Next meeting is scheduled for spring 2018. • Additional documentation, analysis, waste composition and characterization on London waste currently being prepared by City staff (with support from technical experts). These details are a key foundation for the development of both the 60% Waste Diversion Action Plan and the Resource Recovery Strategy including organics management.
Institutional Waste, Recyclables and Organics	<ul style="list-style-type: none"> • No additional work undertaken by City staff on this subject and/or the broader industrial, commercial and institutional (IC&I) waste stream. • The Province has specifically targeted organics from the IC&I sector in the Proposed Food and Organic Waste Framework. • Recyclables appear to be a lower priority at the Provincial level at this time.
Biogas and Renewable Natural Gas (RNG) Production from Waste	<ul style="list-style-type: none"> • Application submitted to Ontario's Municipal GHG Challenge Fund in November 2017 seeking potential funding to develop a RNG production facility: <ul style="list-style-type: none"> • Sized to make use of current landfill gas collected from the W12A landfill, with the ability to scale up in the future to add upgrading biogas from organics management. • Given that this is a competitive application process, there is no guarantee that this funding will be received. • Successful applicants will be informed in writing by February, 2018.
London Waste to Resources Innovation Centre (with a focus on new, emerging, and/or next generation technologies)	<ul style="list-style-type: none"> • City staff along with staff from Western University (Institute of Chemicals and Fuels from Alternative Resources - ICFAR) and the Canadian Plastics Industry Association met with representatives from various MOECC Branches to inform them about LWRIC and discuss potential future opportunities • There are currently four Memorandums of Understanding approved by Council (Western University (Institute of Chemicals and Fuels from Alternative Resources - ICFAR), Hawthorne Thorne Green Key Group, Bio-Techfar and Try Recycling). City staff are in discussion with two other businesses that have expressed recent interest and one large association.

Initiative	Updates –September 13, 2017 to January 10, 2018
	<ul style="list-style-type: none"> City staff have been working with Western on funding applications dealing with academic grants and research projects.
Garbage & Resources Collection Systems	City staff continue examining two garbage and resource collection program alternatives (using CNG waste collection vehicles and/or using semi or fully automated collection) for submission to Civic Works Committee in early to mid-2018.
Recycling in Downtown	City staff continuing to work on a report examining Recycling Engagement and Program Development for downtown for submission to Civic Works Committee in early to mid- 2018. This will be tied to changes in Provincial legislation.
Landfill Gas Recovery to Energy	<p>FIT contract agreement finalized on October 19, 2017 for 500kW power plant using approximately 15% of the landfill gas currently captured. City has three years to have commercial plant in operation.</p> <p>Work on business case to evaluate the feasibility of converting the remaining portion of captured landfill gas at W12A to RNG for either direct City fleet use or pipeline injection will begin early to mid-2018.</p>
Landfill Planning and Management in Ontario	The MOECC awarded a consulting project to study landfill planning and management in Ontario in fall 2017. This study will consider “ <i>options and recommendations for Ontario’s approaches for planning and managing Landfills both at a regional and provincial scale, learning from best practices of other jurisdictions and an assessment of social, environmental and economic implications of options and recommendations.</i> ” No timeline given for when final report would be made public.

ACKNOWLEDGEMENTS

This report was prepared with assistance from Mike Losee, Division Manager, Solid Waste Management and Anne Boyd, Manager, Waste Diversion.

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Attachments

- Appendix A - Presentation to CWC Regarding Amended Blue Box Program Plan
- Appendix B - Presentation to CWC Regarding Proposed Food and Organic Waste Framework

Appendix A
Presentation to CWC Regarding Amended Blue Box Program Plan

Appendix B
Presentation to CWC Regarding Proposed Food
and Organic Waste Framework