



Waste Management Community Liaison Committee Agenda

Meeting #3 Monday October 16, 2017
 5:30 pm – Food, mingle/network time
 6:00 pm – Meeting
 7:30 pm - Adjournment

Location: London City Hall, 2nd Floor, Committee Room #2

Previous Meeting September 13, 2017

Item #	Item	Approx. Amount of Time (min.)	Attach.
1	CALL TO ORDER	5	
a	Review of Agenda	2	
b	Items that Must be Added to this Agenda	2	
c	Copy of Approved Meeting Summary from June 5 and September 13, 2017 meetings (Summaries follow Agenda)	1	
2	ITEMS FOR THIS AGENDA	5	
a	Second Series of Open Houses <ul style="list-style-type: none"> See Attachment A “Newspaper Notice Open House 2” 		
3	STANDING ITEMS	30	
a	Update Resource Recovery Strategy (Between June 5 and September 16, 2017) <ul style="list-style-type: none"> Verbal update including information contained in “Update Report #5: Programs, Projects and Provincial Activities That Will Inform and/or Influence Strategies” (Attachment B) 	10	
b	Next Steps – Resource Recovery Strategy <ul style="list-style-type: none"> Updated schedule (Attachment C) 	5	
c	Update – Residual Waste Disposal Strategy – EA for a Proposed Landfill Expansion (Between June 5 and September 16, 2017)	10	

	<ul style="list-style-type: none"> • Verbal update including information contained in “Decision Report #5: Residual Waste Disposal Strategy Scope of Work as Part of the Environmental Assessment Process” (Attachment D) • Results of CLC survey (Attachment E) 		
d	<p>Next Steps – Residual Waste Disposal Strategy – EA for a Proposed Landfill Expansion</p> <ul style="list-style-type: none"> • Updated schedule (Attachment F) 	5	
4	CLC DISCUSSION	45	
a	<p>Community interaction on getinvolved.london.ca</p> <ul style="list-style-type: none"> • What can and cannot be done (Attachment G) • Example; Waste Reduction Week Oct 16 – 21, 2017 (See Attachment H “WRW poster” - note - This is a trial for the getinvolved site) 	10	
b	<p>CLC Suggestions for Community Engagement</p> <ul style="list-style-type: none"> • From other programs and projects; what has caught your eye and made you want to participate? • Ideas for this project (EA or Resource Recovery Strategy) • Do any CLC members wish to get directly involved? 	35	
5	ADDITIONAL BUSINESS	5	
a	Key items for next meeting	3	
b	<p>Date of next meeting: November 20, City Hall Cafeteria, 12th floor</p> <p>5:30 pm Food, mingle/network time</p> <p>6:00 pm Meeting</p>	2	

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Waste Management Community Liaison Committee Meeting #1 Summary



Meeting #1: June 5, 2017

6:00 pm to 8:00 pm

Location: London City Hall, 2nd Floor, Committee Room #2

CLC Member Attendance: Derek Armstrong, Kelly Danielle, Skylar Franke, Mike George, Toni Krahn, Dave Raney, Marie Ross, Carol Young

City Staff Attendance: Wesley Abbott, Jane Kittmer, Jay Stanford (Co-Chair)

Guests: None

Previous Meeting no previous meeting

Item #	Item
1	CALL TO ORDER
a	Review of Agenda <ul style="list-style-type: none">No items added
2	ITEMS
a	Introduction of Members and City Staff (20 seconds each)
b	Election of Community Co-Chair and back-up Community Co-Chair <ul style="list-style-type: none">More members favoured an email vote system. Carol Young and Skylar Franke have volunteered to be considered for co-chair.One person will serve as co-chair; the other person will be backupACTION: City to coordinate an email vote.
c	Why have a WMCLC and What the City Hopes to Achieve <ul style="list-style-type: none">Information provided
d	Offer from Try Recycling and Miller Waste Systems to participate in the WMCLC, where appropriate <ul style="list-style-type: none">Committee members welcome input from Try Recycling and Miller Waste Systems and believe they may be a useful resource given their experience

Item #	Item
	<ul style="list-style-type: none"> ▪ <i>ACTION:</i> City staff to contact both companies to discuss opportunities for involvement and sharing of knowledge
e	<p>Reminder – Information that is Currently Available</p> <ul style="list-style-type: none"> • Community Engagement Program report • Waste Management Working Group committee reports • Guiding Principles • Key Project Parameters <ul style="list-style-type: none"> ▪ <i>Information provided</i>
3	STANDING ITEMS
a	<p>Updates Resource Recovery Strategy (Between March 30 and June 5, 2017)</p> <ul style="list-style-type: none"> • London Waste to Resources Innovation Centre • Waste Diversion and Resource Recovery projects assigned by Council <ul style="list-style-type: none"> ▪ <i>Information provided</i>
b	<p>Next Steps – Resource Recovery Strategy</p> <ul style="list-style-type: none"> • Virtual Open House – both projects • On-line activity for July and first part of August <ul style="list-style-type: none"> ▪ <i>Information provided</i>
c	<p>Updates – Residual Waste Disposal Strategy – EA for a Proposed Landfill Expansion (Between March 30 and June 5, 2017)</p> <ul style="list-style-type: none"> • Comments on community engagement to date • Comments on responses from neighbouring municipalities on potentially using any new City waste management facilities <ul style="list-style-type: none"> ▪ <i>Information provided</i>
d	<p>Next Steps – Residual Waste Disposal Strategy – EA for a Proposed Landfill Expansion</p> <ul style="list-style-type: none"> • Development of alternative landfill concepts • Development of work plans for technical studies <ul style="list-style-type: none"> ▪ <i>Information provided</i>
e	<p>CLC Discussion – Actions and Feedback.</p> <p><i>Discussion items included:</i></p> <ul style="list-style-type: none"> ▪ <i>Increase awareness of all Londoners regarding litter, illegal dumping and the impact of the landfill on the surrounding neighbours</i>

Item #	Item
	<ul style="list-style-type: none"> ▪ <i>Increase education to increase knowledge of residents regarding reuse and recycling. Possibly include info with tax bills/utility bills or email notifications, increase school programs, TV publicity (get CTV to do a series)</i> ▪ <i>Educate residents on the cost structure of waste programs, link to taxes and the environmental benefits</i> ▪ <i>Increase visibility of City at festivals (including attending new Inspiration festival)</i> ▪ <i>Creating a controversy may be best way to get public engaged</i> ▪ <i>Preference for a green bin program</i> ▪ <i>Preference for recovering energy from organics, generate wealth to help other social programs</i> ▪ <i>Preference for City processing organics</i> ▪ <i>Suggestions for July/August on-line activity – make your own waste program on a budget, choose what items you want to go into the green bin from a pick list</i> ▪ <i>Promote waste diversion during Waste Reduction Week October 16 – 22 with give-aways</i>
4	ADDITIONAL BUSINESS
a	<p>Key items for next meeting</p> <ul style="list-style-type: none"> ▪ <i>meeting to be held at the Materials Recovery Facility (MRF), 3438 Manning Dr</i> ▪ <i>discuss on-line activity</i>
b	<p>Date of next meeting</p> <ul style="list-style-type: none"> ▪ <i>Monday or Wednesday in early July</i> ▪ <i>Use doodle poll to determine date</i>

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Waste Management Community Liaison Committee Meeting #2 Summary



Meeting #2: September 13, 2017

6:00 pm to 8:00 pm

Location: Regional Materials Recovery Facility

CLC Member Attendance: Skylar Franke (Co-Chair), Derek Armstrong, Danielle Kelly, Toni Krahn

City Staff Attendance: Wesley Abbott, Jane Kittmer, Jay Stanford (Co-Chair)

Guests: John Whitworth, Manager of W12A Landfill

Previous Meeting June 5, 2017

Item #	Item
1	FACILITY TOURS
a	W12A Landfill – included the HSW Depot, methane flare, tipping face and top of the landfill
b	MRF Tour - walk-through of the two sorting lines
2	CALL TO ORDER
a	Review of Agenda <ul style="list-style-type: none"><i>No items added</i>
b	Items That Were Added to this Agenda <ul style="list-style-type: none"><i>Discussion of best timing for meetings to try to get more members in attendance. It was decided to hold the meeting on the third Monday of the month from 6:00 pm to 8:00 pm. Food will be available at 5:30 pm. Next meetings will be October 16, November 20 and December 18.</i>
c	Approval of notes from June 5, 2017 meeting <ul style="list-style-type: none"><i>Previously done by email.</i>
3	STANDING ITEMS
a	Updates – Resource Recovery Strategy (between June 5 and September 13, 2017)

Item #	Item
b c d	<p>Next Steps – Resource Recovery Strategy</p> <p>Updates – Residual Waste Disposal Strategy – EA for a Proposed Landfill Expansion (between June 5 and September 13, 2017)</p> <p>Next Steps – Residual Waste Disposal Strategy - EA for a Proposed Landfill Expansion</p> <p><i>Discussion on standing items related to “updates and next steps” was delayed until the next meeting (October 16) to allow additional time for the tours. Information on updates and next steps can be found in on-line reports listed below. The information in these reports will be discussed at the next meeting.</i></p> <p>1. www.london.ca/city-hall/meetings/Pages/default.aspx See July 17, 2017 meeting of the Civic Works Committee Report at this meeting:</p> <ul style="list-style-type: none"> • Appointment of Consulting Engineer for Various Technical Studies as Part of the Environmental Assessment Process for the Proposed Expansion of the W12A Landfill Site <p>2. www.london.ca/city-hall/meetings-advisory/Pages/default.aspx See June 27, 2017 meeting of the Waste Management Working Group Report at this meeting:</p> <ul style="list-style-type: none"> • Background Report #2: Reporting Categories and Titles • Update Report #2: Programs, Projects And Provincial Activities that will Inform and/or Influence Strategies • Update Report #3 Project Timelines • Progress Report #1: Community Engagement Program • Progress Report #2: Partial Municipal Responses to Regional Service Area for Waste Management Facilities (March 30 To June 2, 2017)
e	<p>CLC Discussion – Actions and Feedback</p> <ul style="list-style-type: none"> • Key Project Parameters <ul style="list-style-type: none"> o 25 years o Limits on waste quantities o Use by neighbouring municipalities o 60% diversion by 2022 <p><i>Discussion items included:</i></p> <ul style="list-style-type: none"> • CLC members encouraged, if not already done, to comment on the Guiding Principles and 4 Key Project Parameters for the Residual Waste Disposal Strategy and Resource Recovery Strategy at www.getinvolved.london.ca. • A separate survey will be circulated to the CLC regarding the Guiding Principles and 4 Key Project Parameters in order that a comments from the CLC can be created and submitted as part of this phase of community engagement.

Item #	Item
	<p><i>General discussion took place on these items:</i></p> <ul style="list-style-type: none"> o <i>the reasoning for choosing the 25 year planning period rather than a longer period</i> o <i>waste practices of neighbouring communities. It may be acceptable to increase the service area to include neighbouring communities, but it's important to ensure that they are maximizing diversion. Important to have tonnage limits and controls so others do not abuse disposal privileges.</i> o <i>is it an option to close W12A Landfill and use another landfill?</i> o <i>we have to deal with organics to achieve 60% waste diversion</i> o <i>composition of garbage to landfill: 10 – 20% is recyclable</i> o <i>is incineration an option?</i>
4	ADDITIONAL BUSINESS
a	<p>Key items for next meeting</p> <ul style="list-style-type: none"> • <i>Updates and Next Steps for the Resource Recovery Strategy and the Residual Waste Disposal Strategy</i> • <i>Reviewing materials for the Open Houses on November 29 and November 30</i>
b	<p>Date of next meeting</p> <ul style="list-style-type: none"> • <i>October 16, 2017 6:00 – 8:00 pm, food available at 5:30 pm</i> <i>London City Hall, 2nd Floor</i>

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Attachment A

Newspaper Notice Open House 2



**Notice of the Second Series of Open Houses
City of London Residual Waste Disposal Strategy
Environmental Assessment of the Proposed W12A Landfill Expansion**

The City of London (the City) has initiated a study under the *Environmental Assessment (EA) Act* for a proposed expansion of the City's existing landfill (W12A), which is expected to reach capacity in 2025. The service area for the landfill expansion is proposed to be enlarged to a regional area, which would include: the City of London, County of Huron, County of Perth, County of Elgin, County of Lambton, and County of Middlesex.

The City wants community feedback on the proposed expansion of the W12A Landfill and is hosting this second series of open houses as follows:

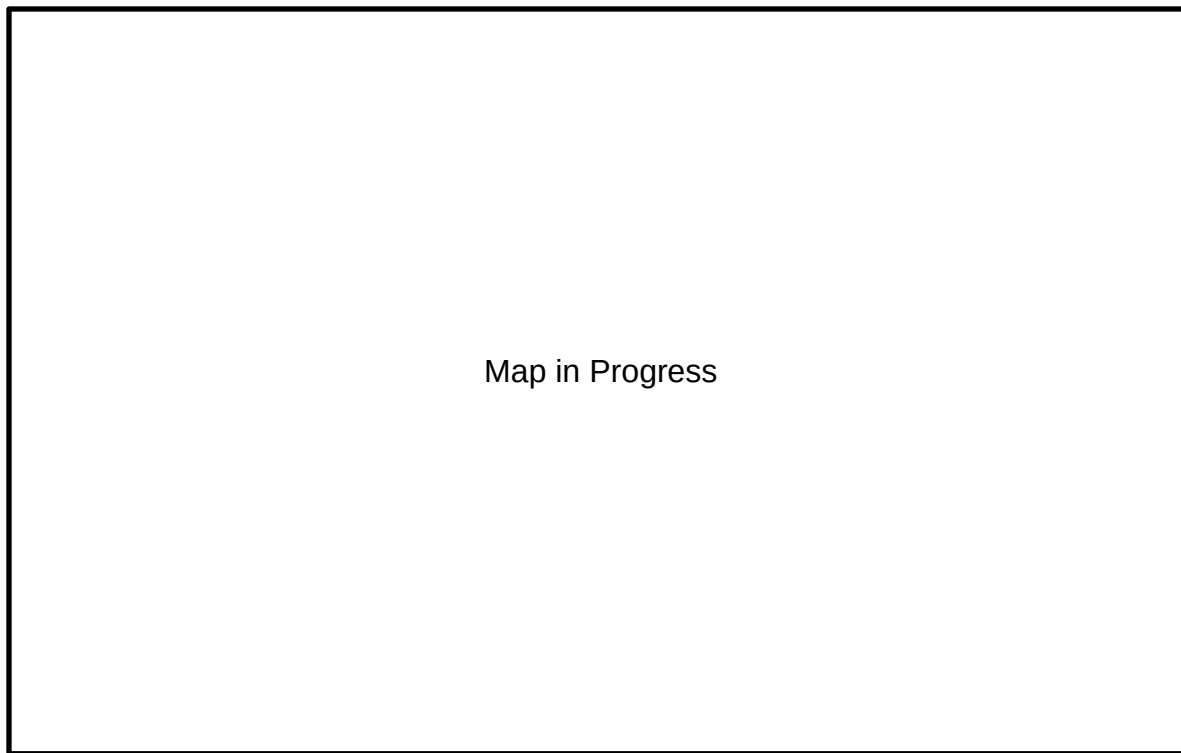
November 29, 2017

Horton Street Goodwill Industries (3rd floor)
255 Horton Street (at Wellington), London
2 – 4 p.m. and 5 – 8 p.m.

November 30, 2017

Lambeth Community Centre (Gymnasium)
7112 Beattie Street, London
2 – 4 p.m. and 5 – 8 p.m.

It is proposed that the landfill expansion will occur within the area on and adjacent to the existing landfill property as shown on the map below.



At these open houses the public will learn about the proposed content of the Draft Terms of Reference (overall work plan for the project) including existing site conditions, landfill expansion alternatives (known as 'Alternative Methods'), the proposed methodology and technical studies for evaluating and comparing the 'Alternative Methods', and how to be involved in the EA process. Additionally the City's draft Resource Recovery Strategy will be presented to the public.

A main focus of the open houses will be to inform the public and seek input on the 'Alternative Methods' for landfill expansion and the criteria to be used to comparatively evaluate the 'Alternative Methods'. Attendees will have the opportunity to have one-on-one discussions with City staff and the project consultant.

If you wish to be added to the project contact list, or have questions, please contact City staff as noted below or visit the City's website at getinvolved.london.ca/WhyWasteDisposal.

Jay Stanford, M.A., M.P.A.

Director - Environment, Fleet and Solid Waste
Phone – (519) 661-CITY (2489) ext. 5411
Fax - (519) 661-2354
E-mail - jstanfor@london.ca

Wesley Abbott, P. Eng.

Project Manager – Solid Waste Management
Phone – (519) 661-CITY (2489) ext. 1812
Fax - (519) 661-2354
E-mail – wabbott@london.ca

Mailing Address for the above staff is:
Solid Waste Management Division, 8th Floor, City Hall
300 Dufferin Avenue, P.O. Box 5035
London, ON N6A 4L9

All personal information included in a submission – such as name, address, telephone number and property location – is collected, maintained and disclosed by the MOECC for the purpose of transparency and consultation. The information is collected under the authority of the *Environmental Assessment Act* or is collected and maintained for the purpose of creating a record that is available to the general public as described in s.37 of the *Freedom of Information and Protection of Privacy Act*. Personal information you submit will become part of a public record that is available to the general public unless you request that your personal information remain confidential. For more information, please contact the MOECC's Freedom of Information and Privacy Coordinator at 416-327-1434.

Veillez noter qu'il vous est possible de nous communiquer vos commentaires ou vos questions sur le projet en français en les adressant à Trish Edmond dont les coordonnées sont indiquées ci-dessus.

Trish Edmond, P. Eng., EA Manager
Golder Associates Ltd
1931 Robertson Road
Ottawa, ON K2H 5B7
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Fax: 613-592-9601 E-mail: trish_edmond@golder.com

Attachment B

Update Report #5

**Programs, Projects and Provincial Activities
That Will Inform and/or Influence Strategies**

TO:	CHAIR AND MEMBERS WASTE MANAGEMENT WORKING GROUP MEETING ON SEPTEMBER 28, 2017
FROM:	JAY STANFORD, M.A., M.P.A. DIRECTOR - ENVIRONMENT, FLEET & SOLID WASTE
SUBJECT:	UPDATE REPORT #5: 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) include:

- Update and Next Steps – Resource Recovery Strategy and Residual Waste Disposal Strategy as part of the Environmental Assessment Process (February 7, 2017 meeting of the Civic Works Committee (CWC), Item #10)

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

- Update Report #2 - Programs, Projects and Provincial Activities that will Inform and/or Influence Strategies (June 14, 2017 meeting of the Waste Management Working Group (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 June 1 to September 12, 2017.

DISCUSSION

Waste Free Ontario Act

In November 2015, the Minister of the Environment and Climate Change (MOECC) introduced a new legislative framework for managing waste in Ontario under Bill 151, *Waste Free Ontario Act (WFOA)*. The legislation is comprised of two Acts, the *Resource Recovery and Circular Economy Act (RRCEA)*, and the *Waste Diversion Transition Act (WDTA)*. Bill 151 received Royal Assent in June 2016 and was proclaimed November 30, 2016.

This legislation and accompanying Strategy (below) will result in a range of changes on how waste will be handled in Ontario over many years. These changes and direction have the potential to impact most aspects of London's residential waste management system (generally under the responsibility of Municipal Council). The new legislation is designed to ultimately impact producers, retailers, suppliers and recycling service providers across the product/package chain. It will also have some influence on how IC&I waste is managed by businesses and private waste management companies.

Strategy for a Waste-Free Ontario Building the Circular Economy

The MOECC published the final Strategy for a Waste-Free Ontario: Building the Circular Economy in February 2017, a requirement of the *Waste Free Ontario Act, 2016*, (WFOA), which outlines a road map for resource recovery and waste reduction for Ontario. It also:

- sets a vision and goals including interim waste diversion goals for 2020 (30%), 2030 (50%) and 2050 (80%);
- articulates key government actions to support implementation of the vision and goals; and
- identifies performance measures to measure progress towards achieving the vision and goals.

The Strategy focuses on moving Ontario towards a circular economy described as “a system where nothing is wasted and valuable materials destined for landfill are put back into the economy without negative effects on the environment.” This approach – a circular economy – has the potential to reduce greenhouse gas emissions, save and better utilize scarce resources, create jobs and create financial opportunities.

Municipal Involvement with Respect Waste Management in Ontario

For several years, waste management and other organizations across the province have been reviewing and establishing positions and making contributions to policy and regulatory development. City staff is actively involved in several of these organizations:

- Association of Municipalities of Ontario (AMO) – City staff sit on the Waste Management Task Force of AMO (combination of elected officials and municipal staff). Appendix A contains a recent release from AMO on Provincial direction (The Waste Free Ontario Act: What it Means for Current and Future Waste Diversion Programs in Your Municipality, August 29, 2017).
- Regional Public Works Commissioners of Ontario (RPWCO) – City staff sit on the main committee and the Solid Waste Subcommittee.
- Ontario Waste Management Association (OWMA) – City staff sit on the Board of Directors.
- Municipal Resource Recovery and Research (3Rs) Collaborative – is a recently formed group comprised of the AMO, RPWCO, Municipal Waste Association and City of Toronto. London is a member of the 3Rs Collaborative.
- Municipal Waste Association (MWA) and Recycling Council of Ontario (RCO) – receiving updates and comments via general membership.

City of London

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 June 2 to September 12, 2017.

Initiative	Updates – June 2 to September, 2017
Organics Management	<ul style="list-style-type: none">• Municipal Council submitted comments to the Environmental Bill of Rights (EBR) Registry with respect to MOECC’s discussion paper, “Addressing Food and Organic Waste in Ontario”. This paper was designed to serve as the basis for preliminary discussions with stakeholders to inform the development of the Food and Organic Waste Framework which aims to:<ul style="list-style-type: none">• <i>“Reduce the amount of food that becomes waste</i>• <i>Remove food and organic waste from the disposal stream</i>• <i>Reduce greenhouse gas emissions that result from food and organic waste</i>• <i>Support and stimulate end markets that recover the value from food and organic wastes</i>• <i>Increase accountability of responsible parties</i>• <i>Improve data on food and organic waste</i>• <i>Enhance promotion and education regarding food and organic waste.”</i>• The City submission can be found under the Civic Works Committee (CWC) meeting on July 17, 2017 entitled Comments on Environmental Bill of Rights Registry – Discussion Paper: Addressing Food and Organic Waste in Ontario.• See additional rows below for other organics related work.• A Green Bin Program update will be submitted to the Waste Management Working Group and CWC in the fall 2017 or early 2018 to coincide with the development of an London’s implementation plan that must also consider the ongoing developments from MOECC as part of its Food and Organic Waste Action Plan.
Community Impacts from Facilities in the general vicinity of Shaver-Brockley communities (general south of Highway 401)	<ul style="list-style-type: none">• Mayor Brown and Councilor Usher brought community concerns to Planning & Environment Committee (PEC) on November 28, 2016 which resulted in the following direction to City staff approved by Municipal Council on December 6, 2016: <i>“The Civic Administration BE DIRECTED to report back to a future meeting of the Planning and Environment Committee with an update relating to what measures have been and could be undertaken to address the negative impacts that the industrial uses in the area are having on the Shaver-Brockley community and surrounding area and what the City of London can do to mitigate the impacts.”</i>• A Public Participation Meeting (PPM) was held at PEC on August 28, 2017. At the meet City staff presented a report entitled Review of Impacts from Industrial Sources (Focus on Odour) and Potential Municipal Actions (Primarily South of Highway 401).• At the September 5, 2017 Council meeting, 13 recommendations were approved.

Initiative	Updates – June 2 to September, 2017
Avoiding Food Waste	<ul style="list-style-type: none"> Household Food Waste Survey, designed and implemented by Western University with support from the City of London, was completed in early July. Over 1,500 participated in the survey. Results are currently being analyzed by Western University. Implementation of a food waste avoidance (management) pilot project with Western University starting in mid-September.
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 will occur in fall and winter 2017 and spring and summer 2018. These audits are paid for by Stewardship Ontario (industry) and occur every couple of years across Ontario. 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. Waste characterization as part of the mixed waste processing examinations (see below).
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. Composter and digester sales at the City EnviroDepots were strong during the spring months with a total of 240 units sold. The Draft Urban Agriculture Strategy has references and activities associated with home and community composting and recovery of food waste. The draft strategy has been approved by PEC for circulation. Further work on this strategy is being undertaken by Planning staff with the final strategy to be presented to Council for approval this autumn.
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. Next meeting scheduled for fall 2017. 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 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. Appears 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"> Working on an application to Ontario's Municipal GHG Challenge Fund to provide potential funding, in a competitive process, 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. Application due November 14, 2017; Successful applicants will be informed in writing by February, 2018.

Initiative	Updates – June 2 to September, 2017
<p>London Waste to Resources Innovation Centre (with a focus on new, emerging, and/or next generation technologies)</p>	<ul style="list-style-type: none"> • Five Memorandums of Understanding (MoU) approved by Council: <ul style="list-style-type: none"> • Green Shields Energy (GSE) - a working relationship to explore the viability of a Gas Phase Reduction (GPR) technology for managing solid waste. • Western University (Institute of Chemicals and Fuels from Alternative Resources - ICFAR) – a working relationship covering the broad sectors of solid waste management, biomass management and related sectors that produce waste materials. • Hawthorne Thorne Green Key Group - Hawthorne has the Canadian rights to the Tucker Advanced Pyrolysis Technology, known as the Pyrolator, a patented “non-burn technology” with numerous economical and environmental advantages over both traditional burn (combustion – energy-from-waste) technologies, gasification, and pyrolysis technologies. • Bio-Techfar - Bio-Techfar have developed a proprietary pyrolysis technology, referred to as the BT-100/500, that has successfully converted a range of biomass materials into pyrolysis-oil and pyrolysis-char for both energy and non-energy applications. • Try Recycling - Try Recycling will be looking at new beneficial use products including solid recovered fuel (SRF) (from size reduction of bulky and other items); unwanted (end-of-life) bulky items like couches, mattresses; and enhanced/customized soil conditioners. • City staff are in discussion with two other businesses that have expressed recent interest and one large association. • City staff have been working with Western on funding applications dealing with academic grants and research projects.
<p>Garbage & Resources (Recyclables, Food & Other Organics) Collection Systems</p>	<p>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 December 2017 or early 2018.</p>
<p>Recycling in Downtown</p>	<p>City staff continuing to work on a report examining Recycling Engagement and Program Development for downtown for submission to Civic Works Committee in late 2017/early 2018. This will be tied to changes in Provincial legislation.</p>
<p>Landfill Gas Recovery to Energy</p>	<p>No change with respect to proposed 500kW power plant using approximately 15% of the landfill gas currently captured. Still waiting to for decision on City’s application. Expect a decision sometime in fall 2017 or early 2018.</p> <p>Work on business case to evaluate the feasibility of converting all (in the event FIT application not accepted) or the remaining portion of captured landfill gas at W12A to RNG for either direct City fleet use or pipeline injection will begin late 2017 or early 2018.</p>
<p>Landfill Planning and Management in Ontario</p>	<p>The MOECC will be awarding in late September or October a consulting project to study landfill planning and management in Ontario. 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>”</p>

Initiative	Updates – June 2 to September, 2017
Landfill Best Practices	MOECC review of appropriate hydrogeological settings for landfills in Ontario has been completed (<i>A State of the Science Review of Landfill Siting and Site Characterization and Risk in Relation to Landfills</i> , Dillon Consulting, 2017). Review recommends that landfill standards for the Province be reviewed and updated but the overall approach for addressing management of groundwater in different hydrogeological settings in Ontario is reasonable.

ACKNOWLEDGEMENTS

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

PREPARED BY:	
WESLEY ABBOTT, P. ENG. PROJECT MANAGER SOLID WASTE MANAGEMENT	
PREPARED AND RECOMMENDED BY:	CONCURRED BY:
JAY STANFORD, M.A., M.P.A. DIRECTOR, ENVIRONMENT, FLEET & SOLID WASTE	KELLY SCHERR, P.ENG., MBA, FEC MANAGING DIRECTOR, ENVIRONMENTAL & ENGINEERING SERVICES & CITY ENGINEER

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Attachment C

Tentative Schedule for Development of Resource Recovery Strategy

Attachment C - Tentative Schedule for Development of Resource Recovery Strategy

Event/Major Activity	Comments	CLC Role
Project Start (March, 2017)	Inform Indigenous, government agency and community stakeholders	-
On-going community engagement (March, 2017 to Winter 2018)	Includes presentation to key stakeholders, project website, booth at events, etc.	Provide feedback on community engagement as required Provide feedback on what is proposed
Open House #1 (May, 2017)	Provide information on existing programs and	-
Council Meeting (October 30, 2017)	Approval of 60% diversion by 2022 goal	-
Open House #2 (November, 2017)	Information, costs and benefits on potential programs to achieve 60% diversion	Review of open house materials prior to open house. Provide feedback.
<i>NEW - Potential Release of Draft Provincial Organics Strategy (Dec. – Jan. 2018)</i>	<i>Released on Environmental Bill of Rights registry for 60 day comment period.</i>	-
<i>NEW - Amended Blue Box Program Plan (BBPP) (February, 2018)</i>	<i>The amended BBPP is being developed by Stewardship Ontario and will outline the steps to take municipalities from where they are now to the full EPR program.</i>	-
DRAFT - REVISED - Circulation of Draft 60% Diversion Action Plan (March – April 2018)	Based on developments and timing at the Provincial level, timetable will be adjusted	Review of Draft Strategy as part of community stakeholders
DRAFT - REVISED - Circulation of Draft Resource Recovery Strategy (May - June 2018)	Review by Indigenous, government agency and community stakeholders	Review of Draft Strategy as part of community stakeholders
DRAFT - REVISED - City Approval (July – August 2018)	Will include public participation meeting	

Attachment D

Residual Waste Disposal Strategy Scope of Work as Part of the Environmental Assessment Process

TO:	CHAIR AND MEMBERS WASTE MANAGEMENT WORKING GROUP MEETING ON SEPTEMBER 28, 2017
FROM:	JAY STANFORD, M.A., M.P.A. DIRECTOR, ENVIRONMENT, FLEET & SOLID WASTE
SUBJECT:	DECISION REPORT #5: RESIDUAL WASTE DISPOSAL STRATEGY SCOPE OF WORK AS PART OF THE ENVIRONMENTAL ASSESSMENT PROCESS

RECOMMENDATION

That, on the recommendation of the Director – Environment, Fleet & Solid Waste, the following key parameters that define the scope of work for the Residual Waste Disposal Strategy as part of the Environmental Assessment process **BE SUPPORTED** by the Waste Management Working Group:

- a) The study period for the Residual Waste Disposal Strategy will be 25 years beyond the current approved capacity of the W12A Landfill of 2025, ending in 2050;
- b) The maximum annual amount of waste that will be allowed to be landfilled be reduced from the currently approved amount of 650,000 tonnes per year to 500,000 tonnes per year;
- c) The service area include the City of London, Elgin County, Huron County, Lambton County, Middlesex County, Perth County and local First Nation Communities noting City of London Council will have the authority to determine which, if any, municipalities or businesses outside of London are allowed to use any City residual waste disposal facility or facilities in the future; and
- d) The W12A Landfill expansion be sized assuming the residential waste diversion rate is 60% by 2022 noting this does not prevent increasing London's residential waste diversion rate above 60% between 2022 and 2050.

PREVIOUS REPORTS PERTINENT TO THIS MATTER
--

Relevant reports that can be found at www.london.ca under City Hall (Meetings) include:

- Update and Next Steps – Resource Recovery Strategy and Residual Waste Disposal Strategy as part of the Environmental Assessment Process (February 7, 2017 meeting of the Civic Works Committee (CWC), Item #10)
- Individual Environmental Assessment Long Term Solid Waste Resource Recovery & Disposal Plans (October 6, 2015 meeting of the CWC, Item #14)

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

- Progress Report #2: Partial Responses to Regional Service Area for Waste Management Facilities (March 30 to June 2, 2017) (June 27, 2017 meeting of the Waste Management Working Group (WMWG), Item #7)
- Progress Report #1: Community Engagement Program (June 27, 2017 meeting of the WMWG, Item #6)
- Decision Report #2: Residual Waste Disposal Strategy Scope of Work as part of the Environmental Assessment Process (January 19, 2017 meeting of the WMWG, Item #6)

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:

The purpose of this report is to seek support from the Waste Management Working Group for key parameters that define the scope of work for the Residual Waste Disposal Strategy as part of the Environmental Assessment (EA) process.

CONTEXT:

Resource Recovery Strategy and Residual Waste Disposal Strategy

In October 2015 Municipal Council directed staff to proceed with the development of a Resource Recovery Strategy and a Residual Waste Disposal Strategy for the city of London.

The Resource Recovery Strategy involves the development of a plan to maximize waste reduction, reuse, recycling, resource recovery, energy recovery and/or waste conversion in an economically viable and environmentally responsible manner. Resource Recovery strategies (i.e., often known as waste diversion strategies) are developed and approved at the local government level and do not require Provincial government approval. However, these strategies do serve as input into Provincial government decision-making as related to approval of the Residual Waste Disposal component.

The Residual Waste Disposal Strategy involves the development of a long-term plan to manage residual waste (waste after resource recovery). The Residual Waste Disposal Strategy will include expansion of the W12A Landfill which will involve completion of an Individual EA as prescribed by the Ministry of Environment & Climate Change (MOECC). The Individual EA requires approval by the Minister of Environment & Climate Change and Cabinet.

Individual Environmental Assessment for Residual Waste Disposal Strategy

The first phase of the Individual EA process is the development and approval of a Terms of Reference (ToR) by the Minister. The ToR becomes the work plan for the preparation and review of the Individual EA. It is expected that the ToR will be complete in late spring 2017.

The second phase of the Individual EA process is completion and approval of an EA. The proponent completes the EA in accordance with the approved ToR. The proponent then submits the completed EA to the Minister for approval.

Council Direction

The ToR (work plan) for the EA process includes direction on key project parameters. Information on the advantages and disadvantages of different options for the four key project parameters listed below were presented to Civic Works Committee (CWC) on February 7, 2017.

After consideration of these options by CWC, Council approved the following for community engagement:

- c) in addition to all the requirements of the Terms of Reference process, the following proposed parameters BE ENDORSED and included in the community engagement program for feedback:*
 - i) the study period for the strategy be 25 years beyond the current approved capacity of the W12A Landfill of 2025, ending in approximately 2050;*
 - ii) the maximum amount of waste that can be landfilled each year, as per the current provincial Environmental Compliance Approval, remain unchanged at 650,000 tonnes at this time;*
 - iii) the service area include the City of London, Elgin County, Middlesex County, Huron County, Lambton County, Oxford County, Perth County, and the local First Nation Communities; it being noted that the City Council will have the authority to determine which, if any, municipalities, communities or businesses outside of London are allowed to use any future waste disposal facility or facilities or future resource recovery facility or facilities and under what conditions; and,*
 - iv) the capacity of any new residual waste disposal facility be sized assuming the residential waste diversion rate is 60% by 2022; and take into consideration the Provincial interim goals for total solid waste diversion of 30% by 2020, 50% by 2030 and 80% by 2050;*
- d) the Civic Administration BE DIRECTED to canvass municipalities responsible for waste management within the proposed service area to determine interest in using any future waste disposal or future resource recovery facility;*

DISCUSSION

Community Engagement Program

The Community Engagement Program was used to solicit feedback on the four key project parameters outlined above. The Community Engagement Program included a Notice of Commencement, project website, open houses, establishment of a Community Liaison Committee, presentations to community groups and city advisory committees, engagement with local Indigenous communities, and displays at various festivals and community events.

One of the goals of the Community Engagement Program was to make sure that residents and other stakeholders in the vicinity of the W12A Landfill were informed about the Residual Waste Disposal Strategy and the possible expansion of the W12A Landfill. To achieve this goal, personalized mailings were made to property owners as well as residential tenants within two kilometres of the landfill (about 270) on two occasions. The first mailing was to notify stakeholders about the commencement of the project and the second mailing was to inform stakeholders about the first series of open houses.

In addition, staff provide updates to the W12A Landfill Public Liaison Committee on the status of Residual Waste Disposal Strategy and Resource Recovery Strategy at each of their meetings. The W12A Landfill Public Liaison Committee also has a member that sits on the Waste Management Community Liaison Committee.

Feedback Received and Recommended Project Direction

A summary of the Community Engagement Program feedback is provided in a companion report on the agenda for the September 28, 2017 meeting (Update Report #4) of the WMWG and summarized in Table 1. Table 1 also includes the recommended project direction for the four key parameters based on the feedback as well as other relevant information.

Feedback on the four project parameters is still being collected from the project website (website comments accepted until September 27, 2017; a final social media campaign was launched in early September to augment previous promotions and remind residents of deadline) and from the Community Liaison Committee (meeting to take place on September 13, 2017). The additional feedback received will be presented verbally at the September 28, 2017 meeting. The proposed recommendations in Table 1 may need to be revised if significantly different feedback is received compared to the feedback received to date.

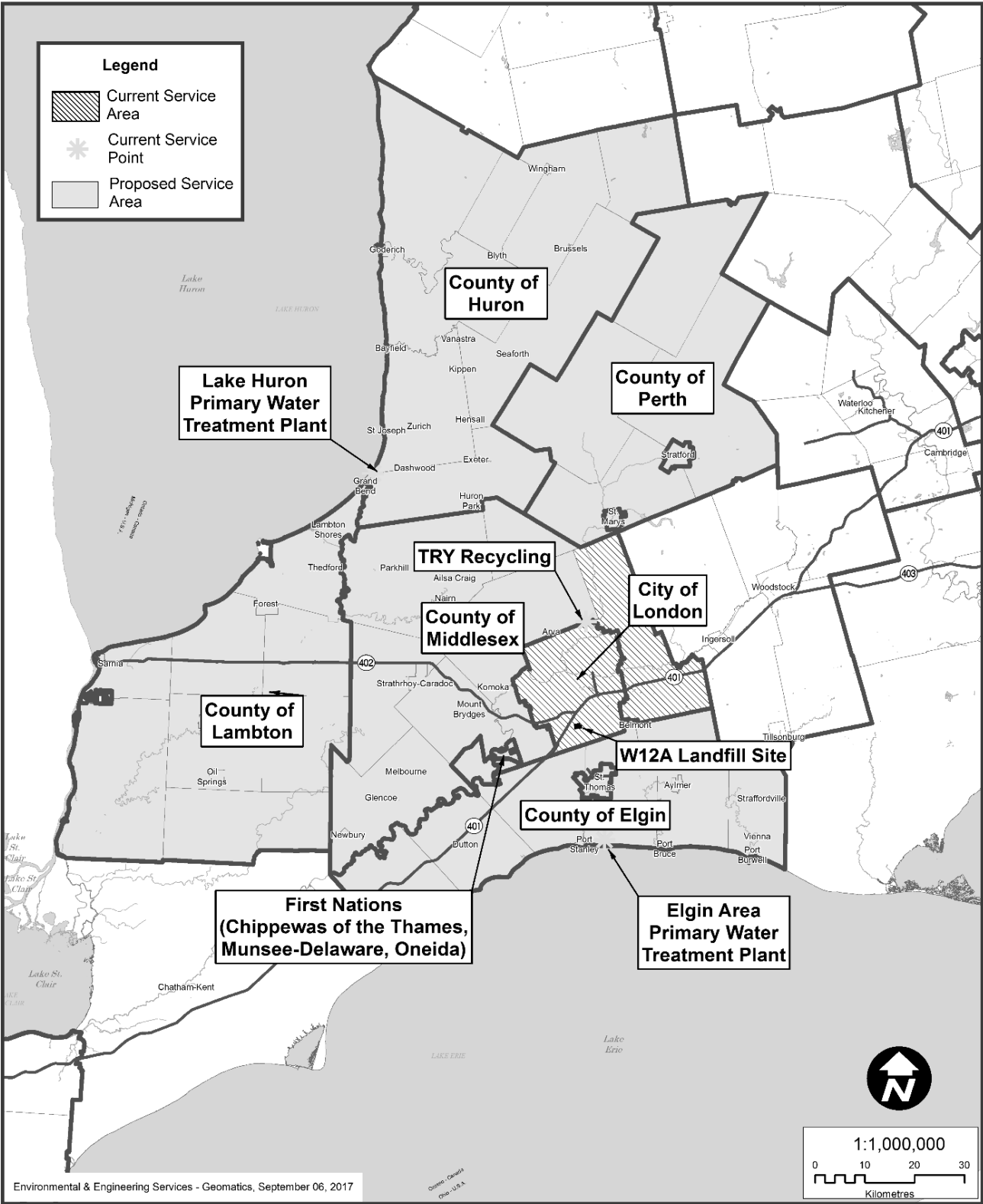
**Table 1 Summary of Feedback Received on
Proposed Four Key Project Parameters (as September 12, 2017)**

Project Direction Endorsed by Council for Community Engagement	Feedback Received	Other Information and Recommended Project Direction
The study period for the strategy be 25 years beyond the current approved capacity of the W12A Landfill of 2025, ending in approximately 2050.	<ul style="list-style-type: none">• Feedback predominately received on website.• Majority of feedback (approximately 60%) supported 25 year planning period.• Some feedback supported longer planning period while others wanted a shorter planning period.	<ul style="list-style-type: none">• No change to 25 year planning period recommended.
The maximum amount of waste that can be landfilled each year, as per the current provincial Environmental Compliance Approval, remain unchanged at 650,000 tonnes at this time.	<ul style="list-style-type: none">• Feedback predominately received on website.• Majority of feedback (approximately 70%) supported placing limits on waste landfilled each year.• Some feedback supported not having limits while others were undecided.	<ul style="list-style-type: none">• Waste quantity projections suggested maximum waste to be received will be less than 500,000 tonnes per year (including waste from an expanded service area).• Recommend the maximum amount of waste that will be allowed to be landfilled be reduced from the currently approved 650,000 tonnes per year to 500,000 tonnes per year.
The service area include the City of London, Elgin County, Middlesex County, Huron County, Lambton County, Oxford County, Perth County, and the local First Nation Communities; it being noted that the City Council will have the authority to determine which, if any, municipalities, communities or businesses outside of London are allowed to use any future waste disposal facility or facilities or future resource recovery facility or facilities and under what conditions.	<ul style="list-style-type: none">• Feedback received predominately on website and at open houses.• Approximately one third of feedback supported expanding the service area, one third did not support expanding the service area and one third was undecided.	<ul style="list-style-type: none">• Letter outlining potential initiatives mailed to area municipalities in spring (Appendix A)• Response from Oxford County indicates they do not want to be included in Waste Disposal service area but do wish to participate in Resource Recovery discussions.• Responses from other municipalities (Appendix B) indicate a desire to be included in waste disposal service area but many municipalities do not expect to use the landfill. Municipalities also want to participate in Resource Recovery discussions. <p>Continued on next page</p>

Table 1 Summary of Feedback Received on
Proposed Four Key Project Parameters (as September 12, 2017)

Project Direction Endorsed by Council for Community Engagement	Feedback Received	Other Information and Recommended Project Direction
	<ul style="list-style-type: none">Majority of comments received on this topic generally expressed support for a regional service area subject to limits on the amount being accepted and/or strict rules and controls on accepting waste from other areas to prevent municipalities with limited waste diversion programs from using the landfill and to prevent London from being seen as a “dumping ground”.	<ul style="list-style-type: none">Landfill expansion will be sized to accommodate an average of approximately 26,000 tonnes per year of residential waste and 26,000 tonnes of business waste from the expanded service area.Recommend the service area include the City of London, Elgin County, Huron County, Lambton County, Middlesex County, Perth County and local First Nation Communities (see Figure 1) noting City of London Council will have the authority to determine which, if any, municipalities or businesses outside of London are allowed to use the W12A Landfill.
The capacity of any new residual waste disposal facility be sized assuming the residential waste diversion rate is 60% by 2022; and take into consideration the Provincial interim goals for total solid waste diversion of 30% by 2020, 50% by 2030 and 80% by 2050.	<ul style="list-style-type: none">Feedback received predominately on website and at open houses.Majority of feedback (approx. 70%) supported 60% diversion by 2022.Some feedback supported higher diversion goals, some supported no goals while others were undecided.Many comments included support for a Green Bin program although some comments were anti-green bin.	<ul style="list-style-type: none">60% diversion rate is practical limit in Ontario at this time; only three large urban municipalities have diversion rates about 55% (Guelph, Halton Region and York Region which includes Markham) based on 2015 data (most recent provincial data available).It may be possible to achieve higher diversion rates in the future.Recommend the W12A Landfill expansion be sized assuming the residential waste diversion rate is 60% by 2022 noting this does not prevent increasing London’s residential waste diversion rate above 60% between 2022 and 2050.

Figure 1 – Proposed Service Area for W12A Landfill



ACKNOWLEDGEMENTS

This report was prepared with assistance from Mike Losee, Division Manager, Solid Waste Management and Jane Kittmer, Solid Waste Planning Coordinator.

PREPARED BY:	
WESLEY ABBOTT, P. ENG. PROJECT MANAGER SOLID WASTE MANAGEMENT	
PREPARED AND RECOMMENDED BY:	CONCURRED BY:
JAY STANFORD, M.A., M.P.A. DIRECTOR, ENVIRONMENT, FLEET & SOLID WASTE	KELLY SCHERR, P.ENG., MBA, FEC MANAGING DIRECTOR, ENVIRONMENTAL & ENGINEERING SERVICES & CITY ENGINEER

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- Appendix A : Typical Letter to Neighbouring Municipalities
- Appendix B : Feedback from Neighbouring Municipalities (as of September 12, 2017)

Appendix A : Typical Letter to Neighbouring Municipalities

April 21, 2017

Name
Title
Address
Address
Address
Address



Dear Name:

Overview

The City of London has initiated two major waste management projects:

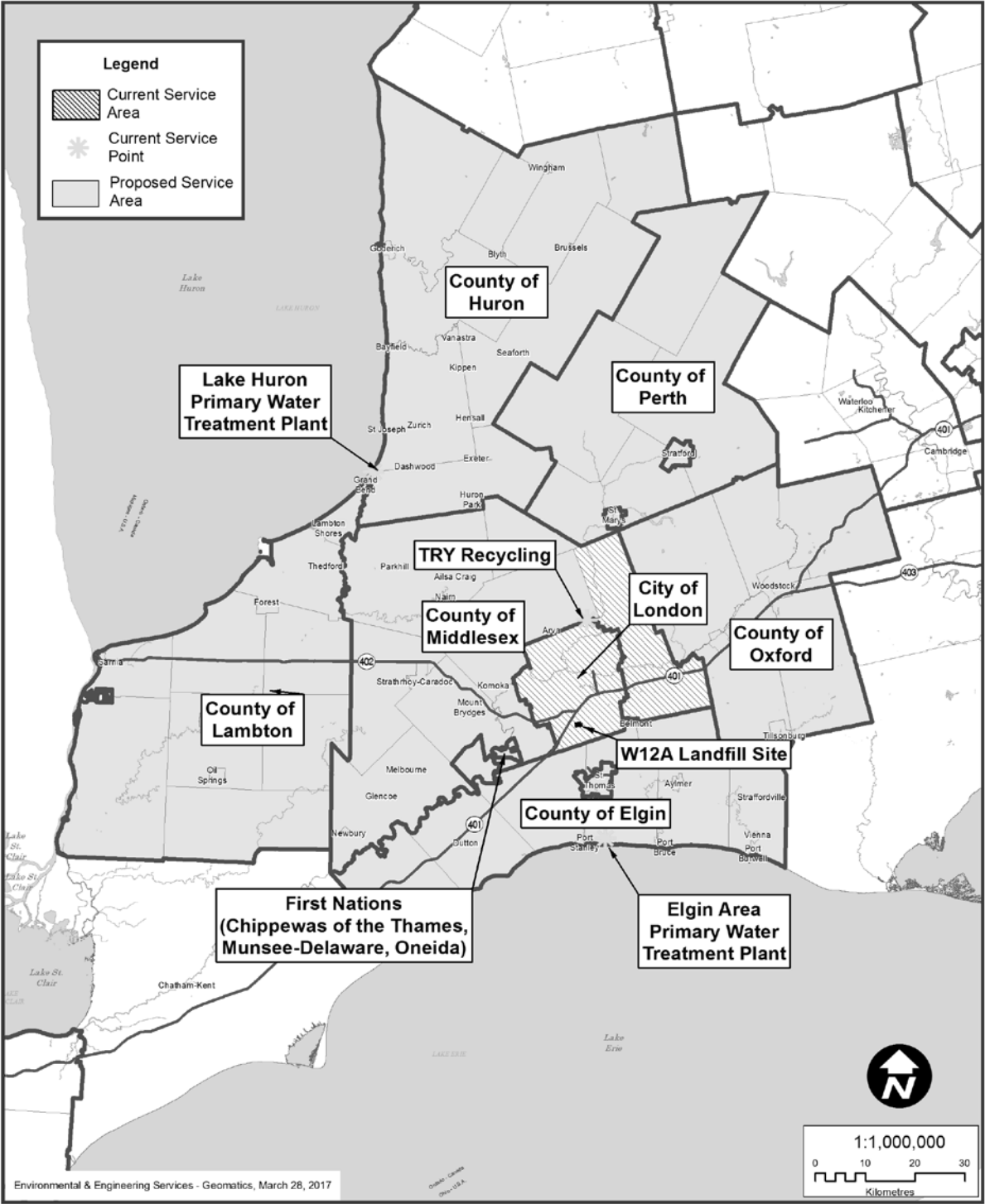
- 1. An Environmental Assessment (EA) as part of a long-term Residual Waste Disposal Strategy. This involves the completion of an Individual Environmental Assessment (EA) as prescribed by the Ministry of Environment & Climate Change (MOECC).
- 2. A long term resource recovery strategy that includes a focus on new, emerging and next generation energy recovery and/or waste conversion technologies that typically benefit from having a larger service area to attract materials for processing (i.e., beyond existing recycling and waste diversion programs). This project is designed to address the new *Strategy for a Waste-Free Ontario: Building a Circular Economy* (February 2017) report from the MOECC.

London Municipal Council has directed City staff to determine interest in regional opportunities for both these projects that would benefit taxpayers and create opportunities in southwestern Ontario:

the Civic Administration BE DIRECTED to canvass municipalities responsible for waste management within the proposed service area to determine interest in using any future waste disposal or future resource recovery facility;

In this regard, we are contacting municipalities with waste disposal and/or resource recovery responsibilities within a regional area to determine interest to be included in a regional service area. The proposed regional service area would include Elgin County, Middlesex County, Huron County, Lambton County, Oxford County, Perth County, and local First Nation Communities (see Figure 1, next page).

Figure 1 – Proposed Service Area



It is recognized that many municipalities within the proposed regional service area have their own landfills or existing long-term contracts with private landfills and/or are closer to private landfills and subsequently will have limited need in using residual waste disposal facilities in London. In these cases, being included in the service area would still provide a valuable contingency location in the event of an emergency; ensure that competitive alternatives are available in the marketplace; and benefit from potential economies of scale.

The purpose of this letter is to determine the level of interest of your municipality in having access to a new or expanded waste disposal facility that would be developed by the City of London and/or being included in a resource recovery strategy for new, emerging and next generation energy recovery and/or waste conversion technologies.

1. Need for Access to Future Residual Waste Disposal

Can you please provide a response and let me know if your municipality:

1. has no interest in being included in the service area of any new waste disposal facility; or,
2. would like to be included in the service area of any new waste disposal facility but are unlikely to use the facility; or,
3. would like to be included in the service area of any new waste disposal facility and may consider using the facility depending on the cost.

2. Need for Access to Future Resource Recovery Facilities

With respect to a long term resource recovery strategy that focuses on new, emerging and next generation energy recovery and/or waste conversion technologies, your municipality:

1. have no interest in being included in these discussions about future resource recovery facilities; or,
2. would like to be included in these discussions but are unlikely to use the facilities; or,
3. would like to be included in these discussions and may consider using the facilities depending on the cost.

Date for your Response

A response on behalf of your Municipal Council for both these projects by May 30, 2017 would be ideal. However, if that timeframe is not sufficient, a preliminary comment from your municipality by May 30, 2017 with a final Council Resolution no later than June 30, 2017 would be appropriate.

Background

The City of London owns and operates the W12A Landfill Site. This landfill accepts waste from London, the Municipality of Thames Centre, Try Recycling Operations Facility in the Municipality of Middlesex Centre, Lake Huron Water Treatment Plant in the Municipality of Bluewater and the Elgin Water Treatment Plan in the Municipality of Central Elgin. Based on current waste quantities being received, the W12A Landfill has between eight to ten years of capacity remaining.

Located at the W12A Landfill site is the Household Special Waste (HSW) Depot. The service area for HSW depot includes the residents and small quantity generators in London, the County of Middlesex and the County of Elgin.

Approvals, design and construction of new long term resource recovery and disposal capacity will take several years so the City has begun work on a Resource Recovery Strategy and Residual Waste Disposal Strategy to determine the most appropriate long term resource recovery and disposal methods. More details on how these strategies will be developed can be found at getinvolved.London.ca/WhyWasteDisposal.

City of London work to date, a review of other regional waste management projects in Ontario and discussions with officials at the MOECC, highlight that a regional service area and/or collaborating in a broader regional area has many advantages such as:

- being consistent with the *Strategy for a Waste-Free Ontario*;
- providing a competitive public disposal option and other resource recovery options for nearby organizations and municipalities; and,
- addressing a portion of the provincial shortfall in disposal capacity.

Further details on the rationale for the City of London to consider a regional service area for any new waste management facilities can be found at getinvolved.London.ca/WhyWasteDisposal.

If you have any questions, please do not hesitate to contact me (jstanfor@london.ca, 519.661.2500 ext. 5411) or Wesley Abbott, Project Manager (wabbott@london.ca; 519.661.2500 ext. 1812).

Regards,

Jay Stanford, M.A., M.P.A.
Director - Environment, Fleet and Solid Waste

cc: Martin Hayward, Acting City Manager & Managing Director, Corporate Services and City Treasurer, Chief Financial Officer
Kelly Scherr, P.Eng., Managing Director, Environmental & Engineering Services and City Engineer
Trish Edmond, Golder Associates

**Appendix B : Feedback from Neighbouring Municipalities
(as of September 12, 2017)**

County			Local Municipality		
Elgin	Role in Waste Disposal	Response	Municipality	Response	Hhlds ^c
	Not directly responsible	Interested/ may use	Town of Aylmer	interested/ may use	2,989
			Municipality of Bayham	interested/ may use	2,655
			Municipality of Central Elgin	interested/ may use	5,700
			Municipality of Dutton/ Dunwich	interested/ may use	1,807
			Municipality of West Elgin	interested/ may use	2,972
			Township of Malahide	interested/ may use	3,145
	Township of Southwold	no response	1,715		
	Separated Municipality ^a		City of St. Thomas	interested/ may use	16,791
Middlesex	Responsible for waste management planning and Household Special Waste management	Letter received for information; No specific response at this time	Municipality of Adelaide Metcalfe	directed to BRA ^b , BRA supports initiatives	1,045
			Municipality of Lucan Biddulph ^a	directed to BRA ^b , BRA supports initiatives	1,837
			Municipality of Middlesex Centre	interested/ may use	6,139
			Municipality of North Middlesex	no response, part of BRA ^b , BRA supports initiatives	2,399
			Municipality of Southwest Middlesex	interested/ may use	2,629
			Municipality of Strathroy- Caradoc	directed to BRA ^b ; BRA supports initiatives	8,455
			Municipality of Thames Centre	interested/ may use (currently use in winter months)	4,884
			illage of Newbury	no response	207

Notes a) Located within County but not part of County government.
b) BRA (Blue Recycling Association) is a non-for-profit corporation that provides recycling and/or garbage collection services to member municipalities. BRA supports regional approach and encourages members to participate directly with London or through the BRA.
c) From Resource Recovery Productivity and Recovery Authority website (<http://www.rpra.ca/Library/WDO-Historical/Municipal-Information/Residential-GAP-Diversion-Rates>). Most recent data available is for 2015.

County			Local Municipality		
County	Role in Waste Disposal	Response	Municipality	Response	Hhlds ^c
Huron	Responsible for waste management planning	Interested/ may use	Township of Ashfield-Colborne-Wawanosh	no response	3,117
			Municipality of Bluewater	interested/ may use	4,532
			Municipality of Central Huron	interested/ may use	3,823
			Town of Goderich	interested/ may use	3,676
			Township of Howick	no response (County responsible for planning)	1,441
			Municipality of Huron East	interested/ may use	3,825
			Municipality of Morris-Turnberry	interested/ may use	1,258
			Township of North Huron	no response (County responsible for planning)	2,296
			Township of South Huron	no response (County responsible for planning)	4,644
Perth	Not directly responsible	No Response	Municipality of North Perth ^a	interested/ may use	5,340
			Township of Perth East	interested/ may use	4,080
			Township of Perth South	interested/ may use	1,431
			Municipality of West Perth	interested/ may use	3,500
	Separated Municipality ^a		City of Stratford	interested/ unlikely to use	14,042
	Separated Municipality ^a		Town of St. Marys	interested/ unlikely to use	3,094

Notes a) Located within County but not part of County government.

b) BRA (Blue Recycling Association) is a non-for-profit corporation that provides recycling and/or garbage collection services to member municipalities. BRA supports regional approach and encourages members to participate directly with London or through the BRA.

c) From Resource Recovery Productivity and Recovery Authority website (<http://www.rpra.ca/Library/WDO-Historical/Municipal-Information/Residential-GAP-Diversion-Rates>). Most recent data available is for 2015.

County			Local Municipality		
County	Role in Waste Disposal	Response	Municipality	Response	Hhlds ^c
Lambton	Responsible for solid waste disposal	Interested/ unlikely to use	Municipality of Brooke-Alvinston ^a	no response (County responsible)	994
			Township of Dawn-Euphemia	directed to County	843
			Township of Enniskillen	no response (County responsible)	1,093
			Municipality of Lambton Shores	no response (County responsible)	7,008
			illage of Oil Springs	no response (County responsible)	285
			Town of Petrolia	no response (County responsible)	2,357
			Town of Plympton-Wyoming	no response (County responsible)	3,524
			illage of Point Edward	no response (County responsible)	995
			City of Sarnia	no response (County responsible)	34,785
			Township of St. Clair	interested/ unlikely to use	6,003
			Township of Warwick	no response (County responsible)	1,432
Oxford	Responsible for solid waste management	Not interested	City of Woodstock	no response	17,530
			County of Oxford (includes Woodstock)	County policy not to export waste	45,858
Total					230,645

Notes a) Located within County but not part of County government.

b) BRA (Blue Recycling Association) is a non-for-profit corporation that provides recycling and/or garbage collection services to member municipalities. BRA supports regional approach and encourages members to participate directly with London or through the BRA.

c) From Resource Recovery Productivity and Recovery Authority website (<http://www.rpra.ca/Library/WDO-Historical/Municipal-Information/Residential-GAP-Diversion-Rates>). Most recent data available is for 2015.

Attachment E

Results of CLC Survey

Survey completed by Waste Management Community Liaison Committee members, September 2017

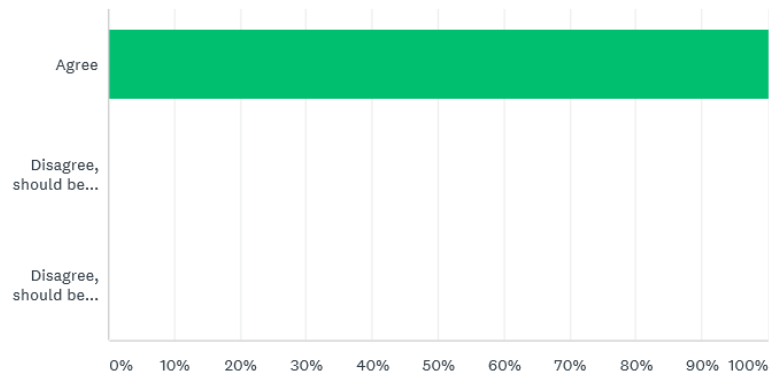
Q1

Customize

Export ▼

The Residual Waste Disposal Strategy, including a proposed landfill expansion will find solutions that will manage Residual Waste (garbage) until 2050 (25 years beyond the current approved capacity of the W12A Landfill).

Answered: 6 Skipped: 0



ANSWER CHOICES ▼	RESPONSES ▼
▼ Agree	100.00% 6
▼ Disagree, should be longer period	0.00% 0
▼ Disagree, should be shorter period	0.00% 0
TOTAL	6

[Comments \(2\)](#)

RESPONSES (2)

TEXT ANALYSIS

MY CATEGORIES

Categorize as... ▼

Filter by Category ▼

Search responses



Showing 2 responses

I agree with the time period specifically because of its coordination to the strategy for a waste-free Ontario. Residents outside of the landfill area may not be aware that this is our long term solution- eliminating the waste in the first place.

9/27/2017 7:52 PM

[View respondent's answers](#)

Open to a longer term.

9/20/2017 10:16 AM

[View respondent's answers](#)

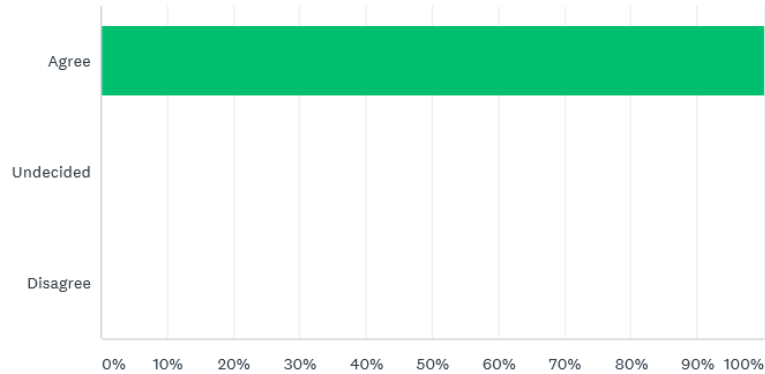
Q2

Customize

Export ▼

The Residual Waste Disposal Strategy, including a proposed landfill expansion will look at the possibility of allowing neighbouring municipalities to use any new waste disposal facilities developed by the City of London.

Answered: 6 Skipped: 0



ANSWER CHOICES ▼	RESPONSES ▼	
▼ Agree	100.00%	6
▼ Undecided	0.00%	0
▼ Disagree	0.00%	0
TOTAL		6

[Comments](#) (4)

RESPONSES (4)

TEXT ANALYSIS

MY CATEGORIES

Categorize as... ▼

Filter by Category ▼

Search responses



Showing 4 responses

From an environmental perspective, I support giving neighbouring municipalities access to our facilities assuming their current facilities are further away and a more local disposal facility would ultimately result in fewer pollutants from fuel for waste transportation.

9/27/2017 7:52 PM

[View respondent's answers](#)

as long as neighbouring municipalities put waste only in our landfill and have a strong plan in place for waste diversion

9/27/2017 3:29 PM

[View respondent's answers](#)

I would love it if the City allowed other municipalities to use any new waste disposal facilities as it would generate income and ensure that our surrounding neighbours have somewhere competitive and safe to drop off their waste.

9/21/2017 2:22 PM

[View respondent's answers](#)

Must have same diversion strategy / methodology as the City of London.

9/20/2017 10:16 AM

[View respondent's answers](#)

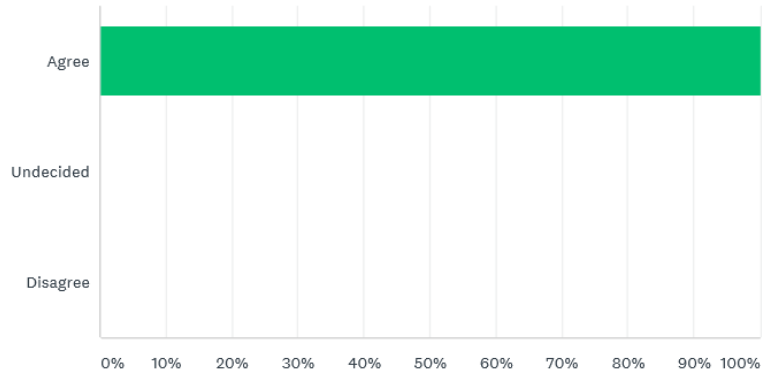
Q3

Customize

Export ▼

The Residual Waste Disposal Strategy, including a proposed landfill expansion will place limits on the amount of Residual Waste that will be accepted at any new waste disposal facilities.

Answered: 6 Skipped: 0



ANSWER CHOICES ▼	RESPONSES ▼
▼ Agree	100.00% 6
▼ Undecided	0.00% 0
▼ Disagree	0.00% 0
TOTAL	6

[Comments \(2\)](#)

RESPONSES (2)

TEXT ANALYSIS

MY CATEGORIES

Categorize as... ▼

Filter by Category ▼

Search responses



Showing 2 responses

I agree limits should be placed assuming we would still accept waste above the set limit with the cost of an additional fee.

9/27/2017 7:52 PM

[View respondent's answers](#)

We should set a realistic limit and stick to it to ensure the longevity of any landfill expansion.

9/21/2017 2:22 PM

[View respondent's answers](#)

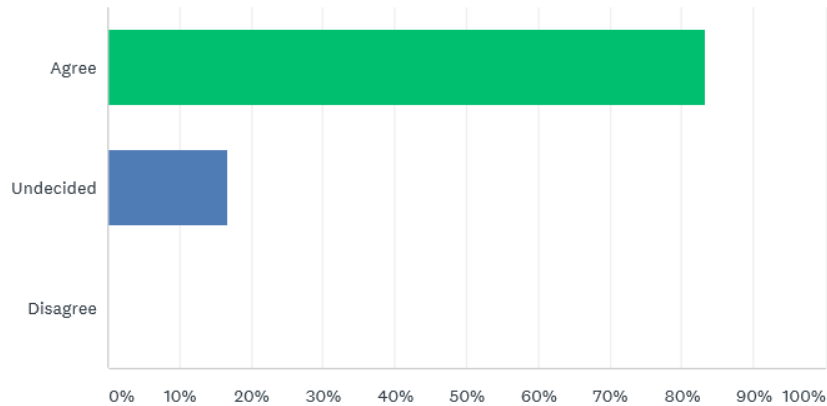
Q4

Customize

Ex

The Residual Waste Disposal Strategy, including a proposed landfill expansion will commit to increasing the current household waste diversion rate to 60% by 2022 from the current rate of 45%.

Answered: 6 Skipped: 0



ANSWER CHOICES	RESPONSES
▼ Agree	83.33%
▼ Undecided	16.67%
▼ Disagree	0.00%
TOTAL	

[Comments \(4\)](#)

RESPONSES (4)

TEXT ANALYSIS

MY CATEGORIES

Categorize as... ▼

Filter by Category ▼

Search responses



Showing 4 responses

By initiating programs such as the green bin I am confident our waste diversion will increase to at least 60%.

9/27/2017 7:52 PM

[View respondent's answers](#)

minimum 60%

9/27/2017 3:29 PM

[View respondent's answers](#)

I think it should be a minimum of 60% by 2022.

9/21/2017 2:22 PM

[View respondent's answers](#)

That should be the goal, but all cost must be weighed. Cost for organic waste collection is a factor - are there other alternatives at a different cost level, i.e. burning, or new technologies.

9/20/2017 10:16 AM

[View respondent's answers](#)

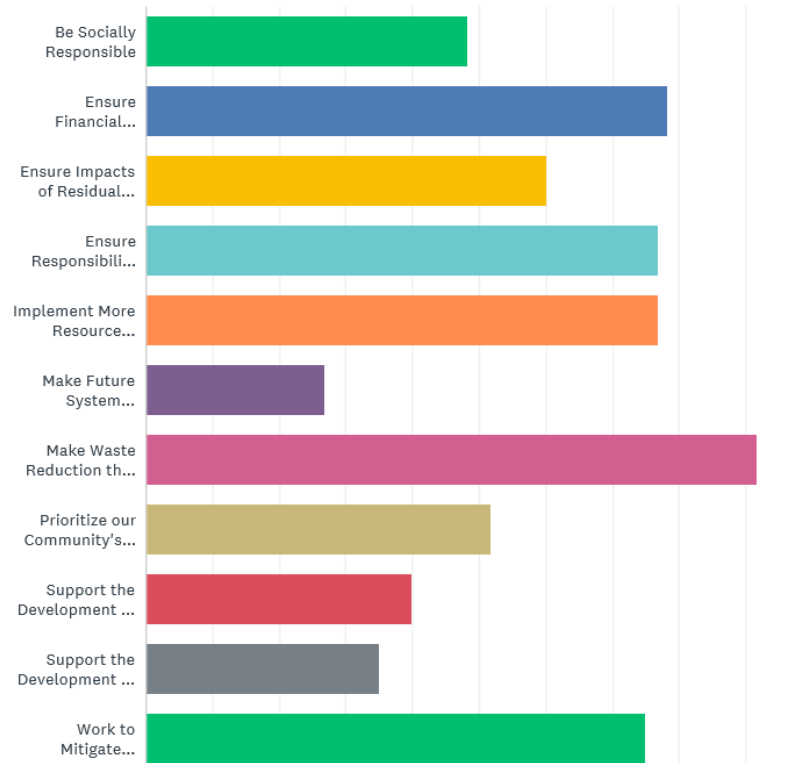
Q5

Customize

Export ▼

Please rank the draft Guiding Principles below that will be used for the development of London's Residual Waste Disposal Strategy, including a proposed landfill expansion and the Resource Recovery Strategy.

Answered: 6 Skipped: 0



0 1 2 3 4 5 6 7 8 9 10

	1	2	3	4	5	6	7	8	9	10	11	TOTAL	SCORE
▼ Be Socially Responsible	0.00% 0	0.00% 0	0.00% 0	16.67% 1	0.00% 0	16.67% 1	33.33% 2	16.67% 1	0.00% 0	0.00% 0	16.67% 1	6	4.83
▼ Ensure Financial Sustainability	16.67% 1	16.67% 1	16.67% 1	16.67% 1	0.00% 0	16.67% 1	0.00% 0	0.00% 0	16.67% 1	0.00% 0	0.00% 0	6	7.83
▼ Ensure Impacts of Residual Waste Disposal Are Minimized	0.00% 0	0.00% 0	16.67% 1	0.00% 0	33.33% 2	33.33% 2	0.00% 0	0.00% 0	0.00% 0	0.00% 0	16.67% 1	6	6.00
▼ Ensure Responsibility for Waste Management	16.67% 1	33.33% 2	16.67% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	16.67% 1	0.00% 0	16.67% 1	0.00% 0	6	7.67
▼ Implement More Resource Recovery Solutions	0.00% 0	33.33% 2	16.67% 1	16.67% 1	0.00% 0	0.00% 0	16.67% 1	16.67% 1	0.00% 0	0.00% 0	0.00% 0	6	7.67
▼ Make Future System Transparent	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	16.67% 1	50.00% 3	16.67% 1	16.67% 1	6	2.67

▼	Make Waste Reduction the First Priority	50.00% 3	0.00% 0	0.00% 0	16.67% 1	33.33% 2	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	6	9.17
▼	Prioritize our Community's Health and Environment	0.00% 0	0.00% 0	0.00% 0	16.67% 1	16.67% 1	16.67% 1	16.67% 1	0.00% 0	16.67% 1	16.67% 1	0.00% 0	6	5.17
▼	Support the Development of Business Partnerships	0.00% 0	0.00% 0	16.67% 1	0.00% 0	0.00% 0	16.67% 1	0.00% 0	0.00% 0	16.67% 1	50.00% 3	0.00% 0	6	4.00
▼	Support the Development of Community Partnerships	0.00% 0	0.00% 0	0.00% 0	16.67% 1	0.00% 0	0.00% 0	33.33% 2	0.00% 0	0.00% 0	0.00% 0	50.00% 3	6	3.50
▼	Work to Mitigate Climate Change Impacts	16.67% 1	16.67% 1	16.67% 1	0.00% 0	16.67% 1	0.00% 0	0.00% 0	33.33% 2	0.00% 0	0.00% 0	0.00% 0	6	7.50

Q6

Export ▼

Are there changes you would like to see to any of the draft Guiding Principles?

Answered: 2 Skipped: 4

RESPONSES (2)

TEXT ANALYSIS

MY CATEGORIES

Categorize as... ▼

Filter by Category ▼

Search responses



Showing 2 responses

No

9/21/2017 2:22 PM

[View respondent's answers](#)

not at this time.

9/20/2017 10:16 AM

[View respondent's answers](#)

Q7

Export ▼

Are there any draft Guiding Principles you would like added?

Answered: 2 Skipped: 4

RESPONSES (2)

TEXT ANALYSIS

MY CATEGORIES

Categorize as... ▼

Filter by Category ▼

Search responses



Showing 2 responses

No

9/21/2017 2:22 PM

[View respondent's answers](#)

Maybe invest in alternatives - New Technologies.

9/20/2017 10:16 AM

[View respondent's answers](#)

Q8

Export ▼

Are there any draft Guiding Principles you would like removed?

Answered: 2 Skipped: 4

RESPONSES (2)

TEXT ANALYSIS

MY CATEGORIES

Categorize as... ▼

Filter by Category ▼

Search responses



Showing 2 responses

No

9/21/2017 2:22 PM

[View respondent's answers](#)

No.

9/20/2017 10:16 AM

[View respondent's answers](#)

Attachment F

Tentative Schedule for Development of Terms of Reference

Attachment F - Tentative Schedule for Development of Terms of Reference*

Event/Major Activity	Comments	CLC Role
Notice of Commencement (March, 2017)	Inform Indigenous, government agency and community stakeholders	-
On-going Community Engagement (March, 2017 to Spring 2018)	Includes presentation to key stakeholders, project website, booth at events, etc.	Provide feedback on community engagement as required Provide feedback on what is proposed
Open House #1 (May, 2017)	Selection of preferred disposal alternative	-
Council Meeting (October 30, 2017)	Approval of key project parameters	-
Open House #2 (November, 2017)	Selection of landfill expansion alternatives, comparative criteria, required studies	Review of open house materials prior to open house. Provide feedback on what is proposed
Circulation of Draft ToR (February - March 2018)	Review by Indigenous, government agency and community stakeholders	Review of Draft ToR as part of community stakeholders
City Approval of Proposed ToR (Late Spring, 2018)	Will include public participation meeting	
MOECC Approval of ToR (Fall, 2018)	MOECC review will take six months (or longer).	

* Work plan for Environmental Assessment

Attachment G

**Proposed Example for getinvolved.ca
website**

Attachment G – Proposed example for getinvolved.ca website

Note to CLC the following is only an example. Actual data/numbers need to be developed.

What to do About Organic Waste?

How much more are you willing to spend?

Higher levels of organics diversion will cost more. On a per household basis, how much more are you prepared to pay per year to divert more organic waste from landfill?

- ☒ \$0
- ☐ \$1 - \$25
- ☐ \$26 - \$50
- ☐ \$51 - \$75
- ☐ \$76 - \$100

What would you spend it on?

Select from the programs below to design an organics management program based on the amount of additional money you are prepared to pay per year and the amount of increased diversion and reduced greenhouse gases (GHG) per year you desire.

Have title linked to more detailed information on separate page

Food Waste Avoidance (select one)

- ☐ \$0 No Existing Program (0% diverted, 0 GHG reduced)
- ☐ \$1 - \$3 Moderate Outreach Program (1% more diverted, 1,000 tonnes GHG reduced)
- ☐ \$4 - \$6 Significant Outreach Program (2% more diverted, 2,000 tonnes GHG reduced)

Home Composting (select one)

- ☐ \$0.0 Existing Program – costs \$0.1 per household per year, 35% homes do some composting (3.5% diverted, 3,500 tonnes GHG reduced)
- ☐ \$.5 to \$1 Moderate Additional Promotion and 50% Subsidy of Composters – increase to 30% of homes doing some composting (1% more diverted, 500 tonnes GHG reduced)
- ☐ \$1 - \$3 Significant Additional Promotion and 75% Subsidy of Composters – increase to 35% of homes doing some composting (2% more diverted, 1,000 tonnes GHG reduced)

Community Composting (select one)

- ☐ \$0 No Existing Program (0% more diverted, 0 tonnes GHG reduced)
- ☐ \$1 to \$2 Low Tech Program – promote composting at apartment buildings; provide education materials and composters (0.5% more diverted, 500 tonnes GHG reduced)
- ☐ \$2 to \$4 Low and High Tech Program – Same as above plus small mechanical composting systems or drop off facilities on public lands (e.g., parks) where there is local support (1% more diverted, 1,000 tonnes GHG reduced)

Curbside (single family) Organics Collection and Processing Program (select one)

- ☐ \$0 No Program (0% more diversion, 0 tonnes GHG reduced)
- ☐ \$20 to \$30 Green Bin Program – Weekly collection of source separated organics from approximately 100,000 curbside households and reduced (bi-weekly) collection of garbage (7 to 9% more diverted, 8,000 tonnes GHG reduced)
- ☐ \$40 - \$60 Mixed Waste Program – Processing of garbage at a facility to partially separate organics from non-organic material. Organic rich material composted or anaerobically digested. (35% more diverted, 25,000 tonnes GHG reduced)

Multi-Residential (apartment) Organics Collection and Processing Program (select one)

- ☐ \$0 No Program (0% more diversion, 0 tonnes GHG reduced)
- ☐ \$5 to \$10 Green Cart Program –Collection of source separated organics from approximately 50,000 multi-residential units (1 to 2% more diverted, 1,500 tonnes GHG reduced)
- ☐ \$15 to \$20 Mixed Waste Program – Processing of garbage at a facility to partially separate organics from non-organic material. Organic rich material composted or anaerobically digested (15% more diverted, 10,000 tonnes GHG reduced)

How did you do?

Were you able to design the organics management program you want for the money you are willing to pay?

☐ Yes

☐ No

Comments

y:\shared\solwaste\wm plan\ea\community engagement\website materials\organic waste feedback.docx