

<b>TO:</b>	<b>CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON SEPTEMBER 25, 2018</b>
<b>FROM:</b>	<b>KELLY SCHERR, P.ENG., MBA, FEC MANAGING DIRECTOR, ENVIRONMENTAL &amp; ENGINEERING SERVICES &amp; CITY ENGINEER</b>
<b>SUBJECT:</b>	<b>PUBLIC PARTICIPATION MEETING 60% WASTE DIVERSION ACTION PLAN – ADDITIONAL INFORMATION</b>

<b>RECOMMENDATION</b>
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That on the recommendation of the Managing Director, Environmental & Engineering Services and City Engineer, the following actions be taken:

- a) This Report and additional public input **BE RECEIVED** for information;
- b) The 60% Waste Diversion Action Plan (Action Plan) containing programs and initiatives to be phased in between 2019 and 2022 to achieve 60% waste diversion **BE APPROVED**;
- c) Civic Administration **BE DIRECTED** to refine cost estimates, develop implementation plans, determine operational requirements and draft an implementation schedule for the Action Plan taking into consideration available financial and staffing resources; and
- d) Civic Administration **BE DIRECTED** to examine financing options for the Action Plan and submit final cost estimates and the draft Implementation Plan to Civic Works Committee and Council in early 2019, it being noted that any additional funding required would be considered alongside other funding requests as part of the 2020-2023 Multi-year budget process.

<b>PREVIOUS REPORTS PERTINENT TO THIS MATTER</b>
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Relevant reports that can be found at [www.london.ca](http://www.london.ca) under City Hall (Meetings) include:

- 60% Waste Diversion Action Plan (July 17, 2018 meeting of the Civic Works Committee (CWC), Item #3.1)
- 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 CWC, Item #10)

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

- Decision Report #8 – 60% Waste Diversion Action Plan (July 13, 2018 meeting of the Waste Management Working Group (WMWG), Item #2.1)
- Background Report #3 - Development of 60% Waste Diversion Action Plan (March 8, 2018 meeting of the WMWG, Item #3.3)
- Update Report #8 - Programs, Projects and Provincial Activities that will Inform and/or Influence Strategies (January 18, 2018 meeting of the WMWG, Item #8)
- Update Report #5 - Programs, Projects and Provincial Activities that will Inform and/or Influence Strategies (September 28, 2017 meeting of the 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)
- Update Report #1 - 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**

This report seeks approval of the 60% Waste Diversion Action Plan (“Action Plan”) and approval to proceed with the development of an implementation plan(s) and examine financing options and to report back in early 2019.

The Action Plan was previously provided as part of the July 17, 2018 Agenda.

### **CONTEXT**

In London, more than one tonne of waste is produced annually per person. This includes waste generated at home as well as waste generated by the industrial, commercial and institutional (IC&I) sectors. About a third of this waste is diverted through numerous waste reduction, reuse, recycling and composting programs. The overall waste diversion rate for London is between 30% and 35%. The residential (household) diversion rate is 45%.

To plan for the future, the City is developing a long term Resource Recovery Strategy. The Resource Recovery Strategy involves the development of a plan to maximize waste reduction, reuse, recycling and resource recovery in an economically viable and environmentally responsible manner. The Resource Recovery Strategy includes a commitment by City council to increase the residential waste diversion rate to 60% by the end of 2022. This commitment was made at the October 30, 2017 City Council meeting by passing the following resolution:

*“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.”*

The overall Resource Recovery Strategy will look at the longer term steps the City could take to move beyond 60% waste diversion.

At its July meeting, Council received the Action Plan as well as a CWC report summarizing the Action Plan and its benefits and costs. The highlights of the Action Plan are found in Appendix A including the 21 actions that will be necessary to achieve 60% diversion. The following actions were approved by Council with respect to the Action Plan:

- Approved for release for review and comment by the general public and stakeholders; and,
- Directed staff to hold a Public Participation Meeting on the Action Plan at its September meeting.

## DISCUSSION

### Community Engagement – March 2017 to June 2018

The Action Plan proposes a set of 21 actions to achieve 60% waste diversion. These actions are listed in Appendix A and were developed with wide-ranging community engagement between March 2017 and June 2018. The community engagement program is summarized in Table 1 with comprehensive details contained in the Action Plan. Quite often this process ran in parallel with the community engagement process for the development of the Terms of Reference for the proposed W12A Landfill expansion.

**Table 1 – Community Engagement Activities  
During Development of 60% Waste Diversion Action Plan**

Activity	Description
Project Website ( <i>Getinvolved.London.ca</i> )	<ul style="list-style-type: none"> <li>• Project website provided up-to-date information on the Resource Recovery Strategy and the 60% Waste Diversion Action Plan and provided feedback opportunities.</li> <li>• Two virtual Open Houses were held on the website.</li> <li>• Total visits exceeded 3,300 with over 2,400 unique visitors.</li> </ul>
Booths at Community Events to Provide Information and Receive Feedback	<ul style="list-style-type: none"> <li>• Gathering on the Green – June 3, 2017</li> <li>• Public Screening of the Big Leak (Wolf Performance Hall) – June 5, 2017</li> <li>• Canada 150 London Sesquifest (Budweiser Gardens) on June 29 – July 1, 2017</li> <li>• TD Sunfest (Victoria Park) on July 6 – July 9, 2017</li> <li>• Home County Folk Festival (Victoria Park) on July 15 and July 16, 2017</li> <li>• Inspiration Fest (Wortley Village) on July 23, 2017</li> <li>• Gathering on the Green 2 (Wortley Village) on August 20, 2017</li> <li>• Neighbourhood Service Days (Northwest London Resource Centre, Glen Cairn Community Centre, Family Centre Argyle, Westmount Family Centre and Crouch Neighbourhood Resource Centre) on August 28 – August 31 and September 5, 2017</li> </ul>
Community Groups	<ul style="list-style-type: none"> <li>• Presentation to the Lambeth Rotary Club on August 8, 2017</li> </ul>
Open Houses	<ul style="list-style-type: none"> <li>• Two open houses provided up-to-date information on the Resource Recovery Strategy and provided feedback opportunities.</li> </ul>
Lifestyle Home Show at Western Fair (January 26 to January 28, 2018)	<ul style="list-style-type: none"> <li>• Feedback was sought from residents regarding potential waste diversion options and how much they would be willing to pay for each option.</li> <li>• Over 500 residents provided feedback.</li> </ul>
Indigenous Communities	<ul style="list-style-type: none"> <li>• Information provided to nine local Indigenous Communities on a regular basis.</li> <li>• Two meetings with the Chippewas of the Thames First Nation.</li> </ul>
Community Liaison Committee (CLC)	<ul style="list-style-type: none"> <li>• Met with the CLC five times to discuss the Resource Recovery Strategy and 60% Waste Diversion Action Plan.</li> </ul>
W12A Public Liaison Committee (PLC)	<ul style="list-style-type: none"> <li>• PLC Committee is updated on the Resource Recovery Strategy and 60% Waste Diversion Action Plan at every bi-monthly meeting</li> </ul>
Other Advisory Committees	<ul style="list-style-type: none"> <li>• Presentations and regular updates provided to the Waste Management Community Liaison Committee, Advisory</li> </ul>

**Table 1 – Community Engagement Activities  
During Development of 60% Waste Diversion Action Plan**

Activity	Description
	Committee of the Environment, Agricultural Advisory Committee and the Environmental and Ecological Planning Advisory Committee.
IPSOS Survey	<ul style="list-style-type: none"> <li>• Survey undertaken by Ipsos Public Affairs between May 31 and June 4, 2018. Surveyed 301 residents.</li> </ul>
Other	<ul style="list-style-type: none"> <li>• Advertise on social media (e.g., Facebook)</li> <li>• Advertise in the print and on-line media</li> <li>• Media coverage in the London Free Press, on CTV and radio (CKBK 1290, CBC London, AM 980)</li> </ul>

### Community Engagement – July to September 2018

The community engagement activities since the release (July 24, 2018) of the 60% Waste Diversion Action Plan are summarized in Table 2.

**Table 2 – Community Engagement for Draft 60% Waste Diversion Action Plan**

Community Engagement Activity		Outcome
Provide feedback opportunities on WhyWaste Resource Recovery Strategy website	<ul style="list-style-type: none"> <li>• Advertised feedback opportunities in print and on-line media (e.g., London Free Press, The Londoner and Latino)</li> <li>• Advertised feedback opportunities on social media (e.g., Facebook)</li> <li>• Advertised feedback opportunities on radio and CTV</li> <li>• Notified persons on project contact list (about 250) of feedback opportunities</li> </ul>	<ul style="list-style-type: none"> <li>• 92 persons completed an on-line feedback form and comments were provided by 62 residents at the time of preparing this report (as of September 10, 2018)</li> <li>• Feedback is generally supportive of Action Plan</li> <li>• Summary of all feedback will be provided at the Public Participation meeting</li> </ul>
Circulation and Presentations to Community Stakeholder Groups	<ul style="list-style-type: none"> <li>• Circulate and ask for feedback from Waste Management Community Liaison Committee (WMCLC), W12A Landfill Public Liaison Committee, Urban League and Advisory Committee on the Environment (ACE)</li> <li>• Presentation to WMCLC on August 20, 2018</li> <li>• Presentation to ACE on September 5, 2018</li> </ul>	<ul style="list-style-type: none"> <li>• Expect some of the stakeholder groups to attend the PPM and provide comments</li> </ul>
Circulate to Waste Management/ Recycling Companies	<ul style="list-style-type: none"> <li>• Circulate and ask for feedback from local companies including Emterra, Green Valley Recycling, Miller Waste, Orgaworld, StormFisher, Try Recycling, Waste Connections and Waste Management</li> </ul>	<ul style="list-style-type: none"> <li>• No comments received at the time of preparing this report.</li> </ul>
Attendance at Community Event	<ul style="list-style-type: none"> <li>• Attend Gathering on the Green II, Sunday, August 19, 2018</li> </ul>	<ul style="list-style-type: none"> <li>• 51 written comments plus numerous conversations with the public</li> <li>• Overwhelming support for Green Bin</li> <li>• Support for downtown and business recycling</li> </ul>

## Summary of Recent Community Engagement (July to September 2018)

Contained in Appendix B are the results of WhyWaste website on-line feedback form at the time of preparing this report. Highlights include:

- General support for the overall plan at 76% (67% Strongly Support and 9% Support);
- New recycling and composting initiatives were considered Somewhat Important to Very Important by 65% to 90% of respondents depending on the initiative;
- Green Bin was considered Very Important by 70% of respondents with 24% indicating Not Important;
- Implement a mixed waste processing pilot (to recover organics and other materials) on a portion of the waste from multi-residential homes was considered Very Important by 70% of respondents with 14% indicating Not Important;
- 75% of respondents considered reducing container limits to be Somewhat Important to Very Important; and
- Mixed support for user pay (fees) and clear bags for garbage.

## Conclusion

Based on the input received to develop the Action Plan, the IPSOS Public Affairs survey and the most recent feedback received by the community between July and September, City staff are not recommending any changes at this time.

## Next Steps

It is recommended that staff proceed with developing an overall implementation plan (containing many different plans) for the Action Plan including examining financing options. Further details are provided below.

## Implementation Plan

The implementation plan would:

- 1) Determine Operational Requirements
  - Consider Blue Box Program changes that would facilitate future transition to Individual Producer Responsibility (industry responsibility)
  - Confirm collection requirements and end markets for new recycling and expanded recycling programs (for bulky items and other non-Blue Box materials).
  - Recommend Green Bin operational parameters (see Table 3)
  - Explore availability of mixed waste processing capacity for multi-residential pilot program
  - Determine operational parameters and potential partners for food waste avoidance, community composting and home composting programs
  - Develop more detailed information on potential waste reduction and reuse initiatives and policies

**Table 3 - Green Bin Operational Decisions**

Operational Decisions	Options
What is collected?	<ul style="list-style-type: none"> <li>• Commonly collected organics (food waste and tissues/paper toweling)</li> <li>• Yard waste (none or top up cart)</li> <li>• Other organics (pet waste and sanitary products)</li> </ul>
How it is collected?	<ul style="list-style-type: none"> <li>• Co-collected with garbage</li> <li>• Separate collection vehicles (e.g., one person side loaders)</li> </ul>
Who processes material?	<ul style="list-style-type: none"> <li>• Private facility</li> <li>• Pre-process at Waste Management Resource Recovery Area and ship to anaerobic digester</li> <li>• Build City facility operated by the private sector</li> </ul>
Bin size	<ul style="list-style-type: none"> <li>• Small (35 to 45 litre)</li> <li>• Medium (50 to 60 litre)</li> <li>• Large (greater than 60 litre); will require semi-automatic or automatic collection</li> </ul>

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**Table 3 - Green Bin Operational Decisions**

<b>Operational Decisions</b>	<b>Options</b>
Liners/bags	<ul style="list-style-type: none"> <li>• Paper (paper bags, paper towels, newspaper)</li> <li>• Compostable plastics</li> <li>• Plastics (typically only allowed if collecting pet waste and/or sanitary products)</li> </ul>

## 2) Refine Cost Estimates

- Develop more detailed cost estimates based on the proposed operational requirements from step 1 above
- Refine annual costs by year between 2020 and 2022, noting that no additional budget is required for 2019. Any future additional funding required would be considered alongside other funding requests as part of the 2020-2023 Multi Year Budget process.

## 3) Prepare Implementation Schedule

- List key tasks for the proposed 21 actions
- Develop a schedule to have the new programs and initiatives implemented by the end of 2022 taking into consideration available financial and staffing resources

Financing Options

Different financing options would be examined including identifying any potential optimization savings, tax levy financing, implementing partial or full user fees, funding from other sources (e.g., increased landfill tipping fees, savings from transition of the Blue Box program to industry, etc.) and/or the potential for development charges funding.

**ACKNOWLEDGEMENTS**

This report was prepared with assistance from Anne Boyd, Manager, Waste Diversion Programs; Jane Kittmer, Solid Waste Planning Coordinator; and Jessica Favalaro, Water Demand Technologist.

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Appendix A - Highlights - 60% Residential Waste Diversion

Appendix B - Results of Community Feedback on the 60% Waste Diversion Action Plan

## Appendix A Highlights - 60% Residential Waste Diversion

### **The 60% Highlights**

This has been prepared as a quick 'snap shot'. By nature of its size, it focuses on "the facts". The full report contains a 7 page Executive Summary and explains more. The full report contains an additional 80 pages and is supported by over 150 pages in appended details.

### **Background**

To plan for the future, the City is developing a long term Resource Recovery Strategy. The Resource Recovery Strategy includes a commitment by City Council to increase the household waste diversion rate from 45% to 60% by the end of 2022. This report, 60% Waste Diversion Action Plan, details the actions required to meet this commitment.

### **How much waste?**

Curbside homes make up about 70% of London's households and generate about 61,000 tonnes of the residential garbage each year that is collected and landfilled. About 30% of

London's households live in multi-residential (apartment/ condominium) buildings and generate approximately 23,000 tonnes of garbage per year.

### **What is garbage made up of?**

A large percentage of what's in the garbage could be composted/digested or recycled. For example, about 60% is primarily organic matter and is compostable/digestible. The organics are made up of food scraps (36% of all waste), non-recyclable paper like paper towel & paper napkins, yard waste, pet waste and sanitary products (e.g., diapers).

 **Composition – Did You Know!!**

Top 5 (Groupings)	Estimated tonnes	% of Waste	Kg/hhld/ year
1. Avoidable food waste	19,300	24%	107
2. Unavoidable food waste	10,100	12%	56
3. Pet waste	8,500	10%	47
4. Items for Blue Box/Cart	8,300	10%	46
5. Construction/Reno/Demo	4,700	6%	26
<b>Total</b>	<b>50,900</b>	<b>62%</b>	<b>282</b>

### **How do we reach 60% waste diversion?**

To achieve 60% waste diversion, 21 actions will be phased in between 2019 and 2022.

<b>Blue Box (Blue Cart) Programs</b>
1. Increase capture of recyclables from 63% to 75% (less placed in the garbage)
<b>New (or Expanded) Recycling Programs and Initiatives</b>
2. Bulky Plastics
3. Carpets
4. Ceramics
5. Clothing and Textiles
6. Small Metal (Small Appliances/Electrical Tools/Scrap Metal)
7. Furniture
8. Mattresses
<b>Curbside Organics Management Program</b>
9. Implement a curbside Green Bin program
10. Implement bi-weekly garbage collection

*Table continues*

<b>Multi-Residential Organics Management Program</b>
11. Implement a mixed waste processing pilot (to recover organics and other materials) on a portion of the waste from multi-residential homes
<b>Other New Organics Management Programs</b>
12. Develop and implement a food waste avoidance strategy 13. Reduce the cost of composters at the EnviroDepots and undertake additional sale events at select community locations 14. Provide financial support to community groups or environmental organizations that want to set up a community composting program
<b>Waste Reduction and Reuse Initiatives and Policies</b>
15. Create a Waste Reduction and Reuse Coordinator position within the Solid Waste Management Division 16. Provide financial support for community waste reduction and reuse initiatives 17. Reduce the container limit to two or three containers per collection when the Green Bin program with bi-weekly garbage collection is operational 18. Further explore the use of clear bags for garbage collection if London does not move to a roll-out cart based garbage collection system 19. Further explore a full user pay garbage system if London moves to a roll-out cart based garbage collection system 20. Further examine other incentive and disincentive initiatives (best practices) from other municipalities (e.g., mandatory recycling by-law, reward systems, user fees, etc.) 21. Provide additional feedback approaches to residents (including how waste reduction and waste diversion are calculated when providing waste management progress reports)

### ***What are the benefits and costs of 60% waste diversion?***

By taking the steps outlined in this Action Plan, a number of environmental, social and financial benefits will be achieved:

- increased waste diversion (33% more);
- creation of jobs (between 125 and 170 direct and indirect; within and outside London);
- reduced greenhouse gas emissions (equivalent of removing 4,200 to 6,800 cars);
- reduced landfill impacts;
- better use of material and resources;
- residents will feel satisfaction/pride living in an environmentally progressive community; and
- short-term landfill cost savings.

London has approved landfill capacity until 2025 and has started a landfill expansion project (Environmental Assessment). It is expected that approval of any expansion by the Ministry of Environment, Conservation and Parks (MOECP) would be unlikely unless the City has programs in place to achieve 60% waste diversion. The increase in waste disposal costs will be significant if the City must export its waste to a private landfill elsewhere in Ontario (estimated at \$5 to \$7 million per year).



## Summary of Diversion, Estimated Operating Costs, Schedule, Potential Funding and Capital Costs

Program Category	Diversion Rate		Annual Estimated Operating Cost			Schedule
	Range	Likely	Range	Likely	\$/Hhd <sup>a</sup>	
Blue Box Recycling Improvements	1% - 3%	2%	\$0	\$0	\$0	2022 - 2025 <sup>b</sup> )
New Recycling Programs and Initiatives	0.4% - 0.8%	0.6%	\$350,000 - \$550,000	\$450,000	\$2.00 - \$3.00	2019 <sup>c</sup> - 2021
Curbside Organics Program (Green Bin)	8% - 12%	10%	\$3,900,000 - \$5,500,000	\$5,000,000	\$21.75 - \$30.50	2020 - 2022
Multi-Res Organics Pilot Program	0.5% - 0.7%	0.6%	\$400,000 - \$700,000	\$500,000	\$2.25 - 4.00	2020
Other Organics Programs	0.3% - 0.6%	0.4%	\$250,000 - \$350,000	\$300,000	\$1.50 - \$2.00	2019 <sup>c</sup> - 2021
Reduction & Reuse Initiatives & Policies	1% - 4%	1.4%	\$150,000 - \$350,000	\$250,000	\$0.50 - \$2.00	2019 <sup>c</sup> - 2021
<b>Total<sup>d</sup></b>	<b>11% - 21%</b>	<b>15%</b>	<b>\$5,050,000 - \$7,450,000</b>	<b>\$6,500,000 (\$36.00)</b>	<b>\$28.00 - \$41.50</b>	<b>2019<sup>c</sup> - 2022</b>

Notes:

a) Based on 180,000 households.

b) The provincial Waste-Free Ontario Strategy calls for full extended producer responsibility (EPR) and/or individual responsibility (IPR) program by 2023 (producers to take full financial and operational responsibility for all Ontario municipal Blue Box programs).

c) 2019 Multi-year budget has \$140,000 assigned to new waste diversion initiatives.

d) Totals may not add due to rounding.

### Potential Funding Sources

Source	Potential amount	Possible Date	Who Controls	Level of Risk
Full EPR for Blue Box	\$1.5 M to \$1.8 M	2022 to 2025	Province	Low
Full EPR for Other Programs	\$50,000 to \$150,000	2023/ 2025	Province	High
W12A Landfill Levy	\$250,000 to \$1 M	2020/ 2022	City	Low
<b>Total</b>	<b>\$1,800,000 - \$2,950,000 (\$2,000,000 likely)</b>			

### Estimated Capital Costs

Program Category	Items	Estimated Cost
New Recycling Programs and Initiatives	• EnviroDepot Improvements	\$500,000 to \$2,700,000
Curbside Organics Management Program	• Green Bin Carts • Kitchen Catchers • Collection Vehicles	\$12,000,000
Other Organic Management Programs	• Community composting	\$100,000
Waste Reduction, Reuse Initiatives and Policies	• Reuse facilities	\$200,000
<b>Total</b>		<b>\$12.5 - \$15 million</b>

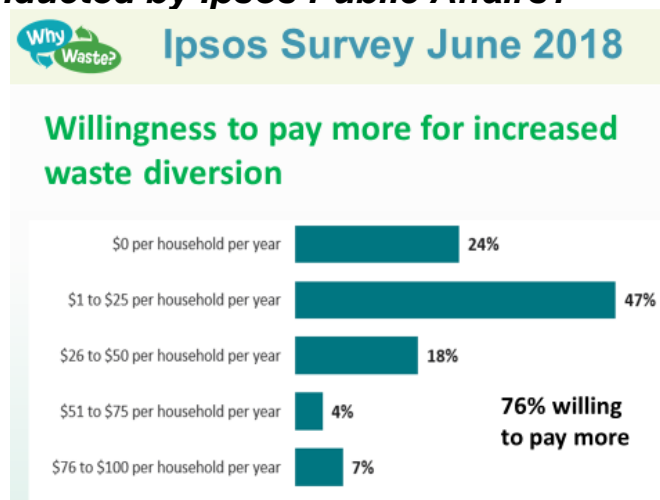
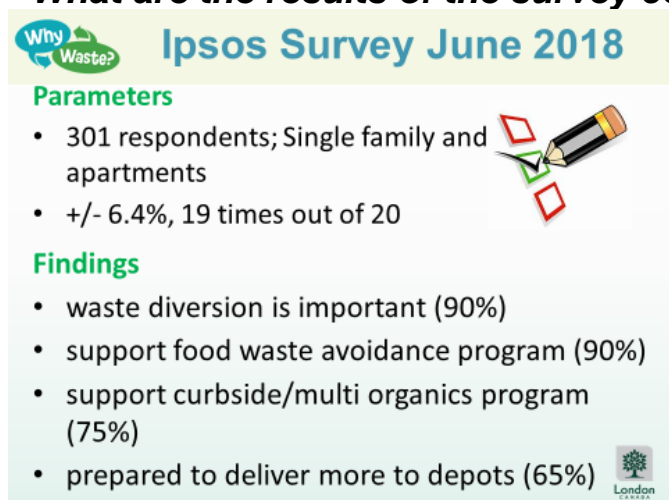
## Summary of Estimated Costs and Potential Revenue (Funding)

	Low	High	Likely (Anticipated)
Cost	\$5,050,000	\$7,450,000	\$6,500,000
Cost/household	<b>\$28.00</b>	<b>\$41.50</b>	<b>\$36.00</b>
Revenue	\$1,800,000	\$2,950,000	\$2,000,000
Revenue/household	<b>\$10.00</b>	<b>\$16.50</b>	<b>\$11.00</b>
Total Estimated Cost			\$4,500,000
Total cost/household			<b>\$25.00</b>

### ***How has the community been engaged?***

Community engagement started in April 2017. The approaches used to engage the public and other stakeholders included open houses, booths at community events, interactions with City of London Advisory Committees, the Why Waste Resource Recovery Strategy website including interactive tools, creation of the Waste Management Community Liaison Committee and newspaper and social media advertisements.

### ***What are the results of the survey conducted by Ipsos Public Affairs?***



### ***What are the next steps?***

Waste Management Working Group meeting, July 13, 2018

Civic Works Committee meeting, July 17, 2018

City Council meeting, July 24, 2018

### ***Additional Community Engagement***

Depending on the decision of Council, the community engagement proposed for the 60% Waste Diversion Action Plan will take place from July 25, 2018 to September 10, 2018, and end with a public participation meeting at Civic Works Committee on September 25, 2018.

## Appendix B Results of Community Feedback on the 60% Waste Diversion Action Plan

### Table B-1 – Level of Support for Overall Plan

	Responses (% <sup>a</sup> and #)				
	Strongly Support	Support	Do Not Support	Strongly Do Not Support	Un-decided
<b>General</b>					
Considering the requirements, benefits, and costs, do you support or not support the overall 60% Waste Diversion Action Plan.	<b>67%</b>	9%	10%	11%	3%
	<b>62</b>	8	9	10	3

Notes: a) May not add to 100 percent due to rounding.

### Table B-2 – How Important are the 21 Actions to Achieve 60% Residential Waste Diversion

How Important is this action to you?	Responses (% <sup>a</sup> and #)				
	Very	Some what	Not Very	Not at all	Don't Know
<b>Blue Box (Blue Cart) Programs</b>					
1. Increase capture of recyclables from 63% to 75% (less placed in garbage)	<b>85%</b>	13%	0%	2%	0%
	<b>67</b>	10	0	2	0
<b>New (or Expanded) Recycling Programs and Initiatives</b>					
2. Bulky Plastics a) Continue with existing pilot project b) Consider implementation of an expanded program once long-term, stable markets have developed	<b>51%</b>	34%	11%	4%	0%
	<b>40</b>	27	9	3	0
3. Carpets a) Wait to see if the Province develops a provincial program for carpets under the Waste-Free Ontario Act as there are limited markets for recycling carpets in the province b) If no provincial program exists by 2021, implement a pilot project	<b>35%</b>	32%	23%	10%	0%
	<b>28</b>	25	18	8	0
4. Ceramics a) Provide a drop-off location for ceramics at no cost at the City's EnviroDepots b) Ban collection of toilets at the curb	<b>35%</b>	33%	15%	15%	1%
	<b>28</b>	26	12	12	1

**Table B-2 – How Important are the 21 Actions to Achieve 60% Residential Waste Diversion**

How Important is this action to you?	Responses (% <sup>a</sup> and #)				
	Very	Some what	Not Very	Not at all	Don't Know
5. Clothing and Textiles					
a) Develop a textile awareness strategy to promote existing reuse opportunities for all Londoners	46%	32%	9%	14%	0%
b) Pilot depot collection at select multi-residential buildings	36	25	7	11	0
6. Small Metal (Small Appliances/Electrical Tools/Scrap Metal)					
a) Implement semi-annual curbside collection of small metal items	48%	38%	6%	6%	1%
b) Pilot depot collection at select multi-residential buildings	38	30	5	5	1
7. Furniture					
a) Begin semi-annual collection of wooden furniture	43%	39%	11%	5%	1%
b) Provide a drop-off location at W12A EnviroDepot for wooden furniture					
c) Ban wooden furniture from curbside garbage collection	34	31	9	4	1
8. Mattresses					
a) Wait to see if the Province develops a provincial program for mattresses under the Waste-Free Ontario Act as there are limited markets for recycling mattresses in the province	48%	32%	9%	10%	1%
b) If no provincial program exists by 2021, implement a pilot project	38	25	7	8	1
<b>Curbside Organics Management Program</b>					
9. Implement a curbside (residential) Green Bin program	70%	3%	4%	24%	0%
	53	2	3	18	0
10. Implement bi-weekly (same day) garbage collection	46%	21%	16%	17%	0
	35	16	12	13	0
<b>Multi-Residential Organics Management Program</b>					
11. Implement a mixed waste processing pilot (to recover organics and other materials) on a portion of the waste from multi-residential homes	43%	28%	9%	14%	5%
	33	21	7	11	4
<b>Other Organics Management Programs</b>					
12. Develop and implement a food waste avoidance strategy	50%	30%	3%	17%	0%
	38	23	2	13	0

**Table B-2 – How Important are the 21 Actions to Achieve 60% Residential Waste Diversion**

How Important is this action to you?	Responses (% <sup>a</sup> and #)				
	Very	Some what	Not Very	Not at all	Don't Know
13. Reduce the cost of composters at the EnviroDepots and undertake additional sale events at select community locations	<b>37%</b>	30%	18%	13%	1%
	<b>28</b>	23	14	10	1
14. Provide financial support to community groups or environmental organizations that want to set up a community composting program	33%	<b>38%</b>	13%	16%	0%
	25	<b>29</b>	10	12	0
<b>Waste Reduction and Reuse Initiatives and Policies</b>					
15. Create a Waste Reduction and Reuse Coordinator position within the Solid Waste Management Division	33%	<b>36%</b>	12%	18%	1%
	25	<b>27</b>	9	14	1
16. Provide financial support for community waste reduction and reuse initiatives	32%	<b>39%</b>	13%	16%	0%
	24	<b>30</b>	10	12	0
17. Reduce the container limit to two or three containers per collection when the Green Bin program with bi-weekly garbage collection is operational	<b>57%</b>	18%	4%	21%	0%
	<b>43</b>	14	3	16	0
18. Further explore the use of clear bags for garbage collection if London does not move to a roll-out cart based garbage collection system	21%	25%	<b>26%</b>	25%	3
	16	19	<b>20</b>	19	2
19. Further explore a full user pay garbage system if London moves to a roll-out cart based garbage collection system	26%	21%	17%	<b>32%</b>	4
	20	16	13	<b>24</b>	3
20. Further examine other incentive and disincentive initiatives (best practices) from other municipalities (e.g., mandatory recycling by-law, reward systems, user fees, etc.)	<b>34%</b>	30%	12%	21%	3%
	<b>26</b>	23	9	16	2
21. Provide additional feedback approaches to residents (including how waste reduction and waste diversion are calculated when providing waste management progress reports)	<b>36%</b>	41%	5%	14%	4%
	<b>27</b>	31	4	11	3

Notes: a) May not add to 100 percent due to rounding.