

TO:	CHAIR AND MEMBERS WASTE MANAGEMENT WORKING GROUP MEETING ON APRIL 18, 2019
FROM:	JAY STANFORD, M.A., M.P.A. DIRECTOR - ENVIRONMENT, FLEET & SOLID WASTE
SUBJECT:	PROGRESS REPORT #7: 60% WASTE DIVERSION ACTION PLAN

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](http://www.london.ca) under City Hall (Meetings) include:

- Public Participation Meeting 60% Waste Diversion Action Plan (September 25, 2018 meeting of the Civic Works Committee (CWC), Item #3.2)
- 60% Waste Diversion Action Plan (July 17, 2018 meeting of the 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 Committee Meetings) 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)

STRATEGIC PLAN 2015-2019 AND  
DEVELOPMENT OF COUNCIL’S 2019-2023 STRATEGIC PLAN

Municipal Council has recognized the importance of solid waste management, climate change, other related environmental issues and innovation in its previous Strategic Plan (2015-2019) and to “complete [the] waste disposal strategy including the Environmental Assessment for the expansion of the W12A Landfill” and “Increase waste reduction, diversion, and resource recovery” in the development of its 2019-2023 Strategic Plan for London. This work touches on three Areas of Focus:

- Building a Sustainable City
- Growing our Economy
- Leading in Public Service

BACKGROUND

PURPOSE

This report provides the Waste Management Working Group with an update on the 60% Waste Diversion Action Plan (Action Plan).

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 has averaged about 45% over the last five years.

Regarding future waste diversion, Council has set a diversion rate of 60% by the end of 2022 as follows. On October 30, 2017 City Council passed 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.”*

This 60% waste diversion goal was included in the Environmental Assessment (EA) submission as part of the List of Commitments made by the City for the EA.

In October 2018, Council passed the following resolution:

*“...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...”*

DISCUSSION

60% Waste Diversion Action Plan – Proposed Actions

The 60% Waste Diversion Action Plan proposes a set of 21 actions to achieve 60% diversion of residential waste in 2022. These actions and a brief status are summarized in Table 1. A more comprehensive report will be submitted to Civic Works Committee in June or July 2019 providing further updates on implementation, cost estimates and financing.

Table 1 – Status of 60% Residential Waste Diversion Actions

Action	Brief Status - Timing
Blue Box (Blue Cart) Programs	
1. Increase capture of recyclables from 63% to 75% (less placed in garbage)	• Province still planning on transferring responsibility for Blue Box and Blue Cart programs to industry and requiring an increase in capture rate to 75% of recyclables (in the program).
New (or Expanded) Recycling Programs and Initiatives	
2. Bulky Plastics	• Continuing to divert bulky plastics incorrectly placed in Blue Box.
a) Continue with existing pilot project	
b) Consider implementation of an expanded program once long-term, stable markets have developed	• Currently there is no stable long term market.  <i>continued</i>

Table 1 – Status of 60% Residential Waste Diversion Actions

Action	Brief Status - Timing
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	<ul style="list-style-type: none"><li>Province still considering developing a provincial program; likely not to be introduced for a couple of years.</li></ul>
4. Ceramics a) Provide drop-off location for ceramics at no cost at the City's EnviroDepots	<ul style="list-style-type: none"><li>Tentative start date for ceramics drop-off at EnviroDepots is Fall 2019.</li></ul>
b) Ban collection of toilets at the curb	<ul style="list-style-type: none"><li>Tentative date for toilet/ceramics ban is Fall 2020.</li></ul>
5. Clothing and Textiles a) Develop a textile awareness strategy to promote existing reuse opportunities for all Londoners	<ul style="list-style-type: none"><li>Tentative start date is Fall 2019.</li></ul>
b) Pilot depot collection at select multi-residential buildings	<ul style="list-style-type: none"><li>Tentative start date is Fall 2020.</li></ul>
6. Small Metal (Small Appliances/Electrical Tools/Scrap Metal) a) Implement semi-annual curbside collection of small metal items	<ul style="list-style-type: none"><li>Tentative date for collection is Fall 2021 to coincide with other collection changes (e.g., Green Bin).</li></ul>
b) Pilot depot collection at select multi-residential buildings	<ul style="list-style-type: none"><li>Begin pilot in Fall 2020.</li></ul>
7. Furniture a) Provide a drop-off location at W12A EnviroDepot for wooden furniture	<ul style="list-style-type: none"><li>Begin Fall 2019.</li></ul>
b) Begin semi-annual collection of wooden furniture c) Ban wooden furniture from curbside garbage collection	<ul style="list-style-type: none"><li>Tentative date for implementation is Fall 2021 to coincide with other collection changes (e.g., Green Bin).</li></ul>
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 b) If no provincial program exists by 2021, implement a pilot project	<ul style="list-style-type: none"><li>Province still considering developing a provincial program; likely not to be introduced for a couple of years.</li></ul>
Curbside Organics Management Program	
9. Implement a curbside (residential) Green Bin program	<ul style="list-style-type: none"><li>See Table 2 for tentative schedule and status.</li></ul>
10. Implement bi-weekly (same day) garbage collection	<ul style="list-style-type: none"><li>Subject to final approval on collection system parameters, tentative date for implementation is Fall 2021 to coincide with other collection changes (e.g., Green Bin).</li></ul>
continued	

**Table 1 – Status of 60% Residential Waste Diversion Actions**

Action	Brief Status - Timing
<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	<ul style="list-style-type: none"> <li>Tentative date for implementation is Fall/Winter 2020 but will depend on facility availability.</li> </ul>
<b>Other Organics Management Programs</b>	
12. Develop and implement a food waste avoidance strategy	<ul style="list-style-type: none"> <li>Development underway with major roll-out of program in early 2020.</li> </ul>
13. Reduce the cost of composters at the EnviroDepots and undertake additional sale events at select community locations	<ul style="list-style-type: none"> <li>Tentative date for implementation is January 2020 to coincide with new Fee and Charges by-law.</li> </ul>
14. Provide financial support to community groups or environmental organizations that want to set up a community composting program	<ul style="list-style-type: none"> <li>Tentative start date is Winter/Spring 2020.</li> </ul>
<b>Waste Reduction and Reuse Initiatives and Policies</b>	
15. Create a Waste Reduction and Reuse Coordinator position within the Solid Waste Management Division	<ul style="list-style-type: none"> <li>Tentative start date is Summer 2020.</li> </ul>
16. Provide financial support for community waste reduction and reuse initiatives	<ul style="list-style-type: none"> <li>Tentative start date is Fall 2020.</li> </ul>
17. Reduce the garbage container limit to two or three containers per collection (based on every other week garbage collection)	<ul style="list-style-type: none"> <li>Tentative date for implementation is Fall 2021 to coincide with other collection changes (e.g., Green Bin).</li> </ul>
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	<ul style="list-style-type: none"> <li>Tentative date for further examination is Fall 2019 (after operational details for Green Bin are finalized).</li> <li>Tentative date for implementation of selected action(s) is Fall 2021 to coincide with other collection changes (e.g., Green Bin).</li> </ul>
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)	<ul style="list-style-type: none"> <li>To be completed in Summer 2019.</li> </ul>

Table 2 – Tentative Schedule and Status of Green Bin Program

Task	Brief Status - Timing
a) Finalize operational details	<ul style="list-style-type: none"><li>• Underway<ul style="list-style-type: none"><li>○ Need to make decisions on materials collected, green bin container size, type of collection vehicle, bi-weekly garbage collection etc.</li><li>○ Report to CWC on proposed operational details tentatively scheduled for June/July 2019</li><li>○ Will require community engagement before final decisions made</li><li>○ Final decisions late 2019, early 2020</li></ul></li></ul>
b) Select Green Bin material processor	<ul style="list-style-type: none"><li>• Release request for proposals (RFP) in summer 2019 and award by the end of the year, early 2020.</li></ul>
c) Select Collection Vehicle Manufacturer	<ul style="list-style-type: none"><li>• Release RFP in early 2020 and award by the summer of 2020.</li></ul>
d) Select Green Bin Manufacturer	<ul style="list-style-type: none"><li>• Release RFP in Summer 2020 and award by the end of the year.</li></ul>
e) Promotion and Awareness Program and Distribution of Green Bins	<ul style="list-style-type: none"><li>• Tentative start date is June 2021.</li></ul>
f) Begin Roll-out of Program	<ul style="list-style-type: none"><li>• Tentative start date for beginning roll-out is Fall 2021.</li></ul>

ACKNOWLEDGEMENTS

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

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