



London
CANADA



Frequently Asked Questions (FAQs #5)

Residual Waste Disposal and Resource Recovery Strategies

Residual Waste Disposal Strategy

Why has the City started this process?

The City of London's W12A Landfill has approximately six years of approved capacity remaining. Planning, approvals and construction of new or expanded disposal capacity can take several years so work has begun on long term Residual Waste Disposal and Resource Recovery Strategies. A key component of the Residual Waste Disposal Strategy is the expansion of the City's landfill.

The Environmental Assessment (EA) process is one of the approvals required for the expansion of the City's landfill and is expected to take three to four years to complete. Work on the EA process started in March 2017 to ensure a long term disposal solution can be obtained prior to existing approved capacity being exhausted.

What are the key landfill expansion parameters?

After consideration of community and stakeholder feedback (see page 3), City Council approved several key project parameters for the expansion of the W12A Landfill including:

- 25 year expansion beyond the current approved capacity;
- Allow neighbouring municipalities (Elgin, Huron, Lambton, Middlesex and Perth Counties) to use the expanded landfill under conditions approved by Municipal Council;
- Landfill expansion needs to accommodate 9.8 million tonnes (includes 0.6 million tonnes from neighbouring municipalities). This will require 13.6 million cubic metres of additional airspace (which includes space for cover material);
- Reduce the maximum annual amount of residual waste that will be accepted at the expanded landfill to 500,000 tonnes from the current approved level of 650,000 tonnes; and,
- Commit to increasing the current London residential (household) waste diversion rate to 60% by 2022 from the current rate of 45%.

Will there be restrictions on waste from outside London?

Feedback from stakeholders expressed a desire not to have waste from outside London be disposed of at the City's landfill unless the originating communities had appropriate waste diversion programs in place and diversion levels similar to or higher than London.

Consideration will be given to placing restrictions on waste from the expanded service area, as part of the technical assessments to be undertaken during the environmental assessment. Restrictions on waste from the expanded service area could be included in the environmental assessment approval or by a by-law enacted by Council.

Frequently Asked Questions

Residual Waste and Resource Recovery Strategies

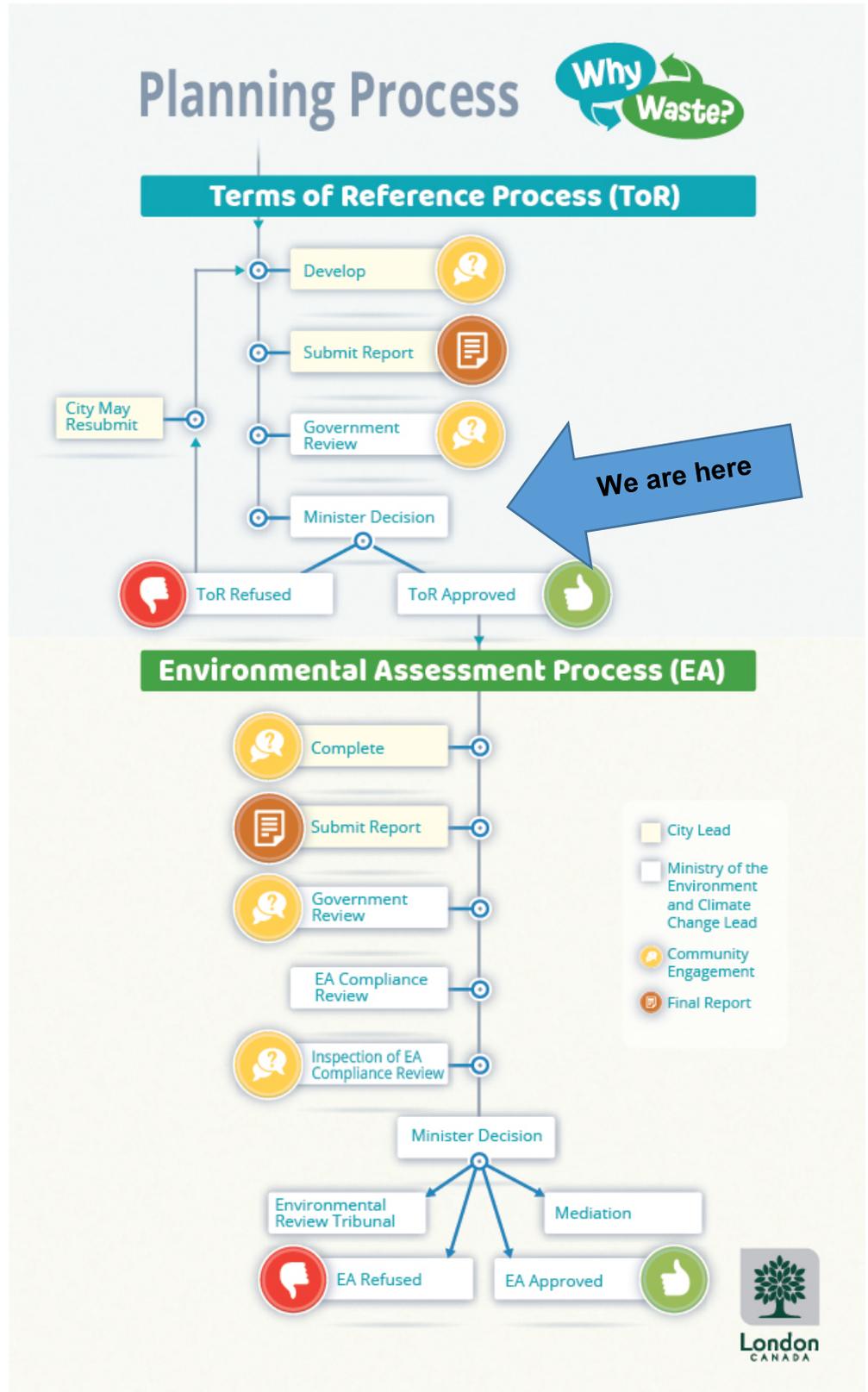
Where are we in the Process?

The Environmental Assessment process will take three to four years to complete (from the start date of March 2017).

The first step is to develop the Terms of Reference (ToR) which is the work plan or framework for completing the Environmental Assessment. This has been completed.

The document is then submitted to the Minister of Environment, Conservation & Parks for review. The Minister can approve or reject a ToR. Residents have an opportunity to comment on the ToR before the Minister makes a decision (We are here in the process).

The Environmental Assessment is then completed following the ToR. The completed environmental assessment must be approved by the Minister and Cabinet before the project can proceed.



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Residual Waste and Resource Recovery Strategies

Have there been any recent changes to the landfill expansion parameters?

As a result of community and stakeholder feedback, several changes were made to the proposed Terms of Reference before it was submitted to the Minister of Environment, Conservation and Parks. These include:

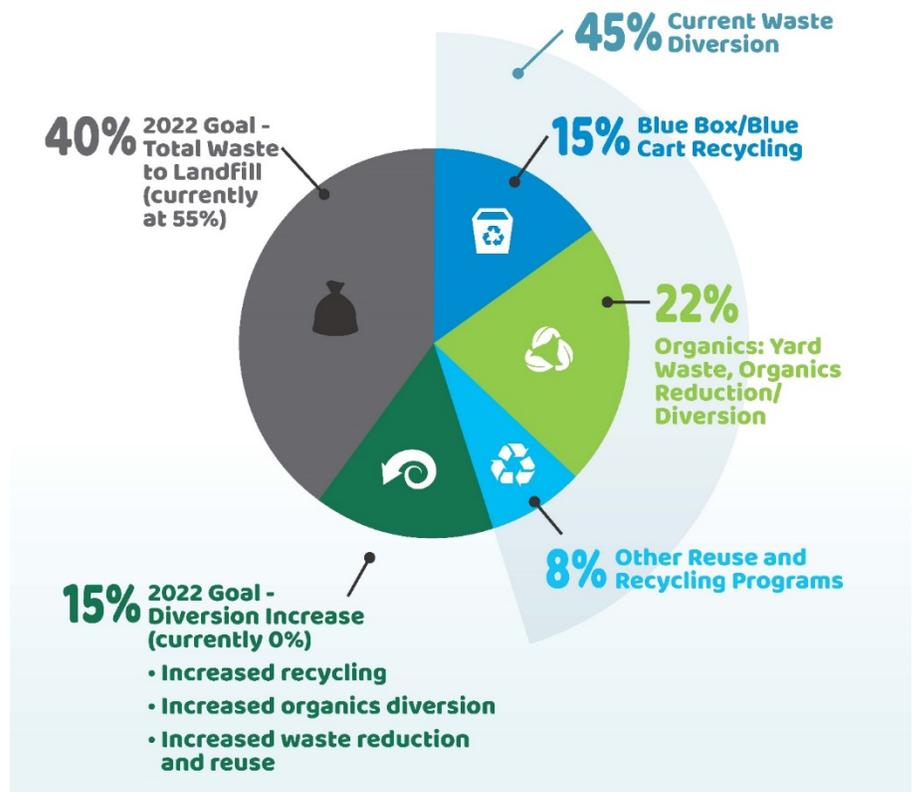
- More site specific work on air quality emission rates will be done during the Environmental Assessment;
- More work will be done on selecting the potential landfill expansion alternatives (site configurations) that will be compared as part of the Environmental Assessment; and,
- There was a reduction in the estimate of residual waste coming from the expanded service area. It was reduced from 1.3 million tonnes of waste to 0.6 million tonnes of waste. There were no changes to the estimated 9.2 million tonnes of residual waste expected to be generated in London over the 25 year planning period.

Resource Recovery Strategy

What does the long term Resource Recovery Strategy entail?

A companion Resource Recovery Strategy is being developed in conjunction with the Environmental Assessment for the expansion of the W12A Landfill. The Resource Recovery Strategy involves the development of a plan to maximize waste reduction, reuse, recycling, and resource recovery (e.g., composting, biogas and other waste conversion) in an economically viable and environmentally responsible manner.

As noted earlier, Council has approved a short term goal of 60% waste diversion of residential waste by 2022.



Frequently Asked Questions

Residual Waste and Resource Recovery Strategies

How do we reach 60% waste diversion?

On October 2, 2018 Council approved the 60% Waste Diversion Action Plan (review full Action Plan at www.getinvolved.london.ca/WhyWasteResource). This plan includes 21 actions (listed below) that will be phased in between 2019 and 2022.

Blue Box (Blue Cart) Programs
1. Increase capture of recyclables from 63% to 75% (less placed in the garbage)
New (or Expanded) Recycling Programs and Initiatives
2. Bulky Plastics 3. Carpets 4. Ceramics 5. Clothing and Textiles 6. Small Metal (Small Appliances/Electrical Tools/Scrap Metal) 7. Furniture 8. Mattresses
Curbside Organics Management Program
9. Implement a curbside Green Bin program 10. Implement bi-weekly garbage collection
Multi-Residential Organics Management Program
11. Implement a mixed waste processing pilot (to recover organics and other materials) on a portion of the waste from multi-residential homes
Other New Organics Management Programs
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
Waste Reduction and Reuse Initiatives and Policies
15. Create a Waste Reduction & Reuse Coordinator position within the Solid Waste 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)

Frequently Asked Questions

Residual Waste and Resource Recovery Strategies

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

By taking the steps outlined in the 60% Waste Diversion 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.

The cost of implementing these programs is summarized below.

Program Category	Diversion Rate		Annual Estimated Operating Cost			Schedule
	Range	Likely	Range	Likely	\$/Hhld ^a	
Blue Box Recycling Improvements	1% - 3%	2%	\$0	\$0	\$0	2022 - 2025 ^b)
New Recycling Programs and Initiatives	0.4% - 0.8%	0.6%	\$350,000 - \$550,000	\$450,000	\$2.00 - \$3.00	2019 ^c - 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 ^c - 2021
Reduction & Reuse Initiatives & Policies	1% - 4%	1.4%	\$150,000 - \$350,000	\$250,000	\$0.50 - \$2.00	2019 ^c - 2021
Total^d	11% - 21%	15%	\$5,050,000 - \$7,450,000	\$6,500,000 (\$36.00)	\$28.00 - \$41.50	2019^c - 2022

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.

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What are the next steps for the 60% Waste Diversion Action Plan?

The next step for the 60% Waste Diversion Action Plan is to develop more detailed cost estimates, create individual implementation plans for each of the 21 actions and determine operational requirements for the Action Plan taking into consideration available financial and staffing resources.

Final cost estimates and the draft implementation plan is expected to be completed in 2019. The additional funding required would be considered alongside other funding requests as part of Council's 2020-2023 Multi-year budget process.



Questions? Comments?

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