

6TH REPORT OF THE
ENVIRONMENTAL AND ECOLOGICAL PLANNING
ADVISORY COMMITTEE

Meeting held on June 22, 2017, commencing at 5:00 PM, in Committee Room #1 & 2, Second Floor, London City Hall.

PRESENT: S. Levin (Chair), A. Boyer, C. Evans, P. Ferguson, S. Hall, K. Moser, S. Peirce, J. Stinziano, R. Trudeau and I. Whiteside and J. Martin (Acting Secretary).

ABSENT: E. Arellano, C. Kushnir, S. Madhavji, A. Regehr, N. St. Amour and N. Weerasuriya .

ALSO PRESENT: W. Abbott, C. Creighton, J. MacKay, G. Nichols and J. Stanford.

I. CALL TO ORDER

1. Disclosures of Pecuniary Interest

That it BE NOTED that no pecuniary interests were disclosed.

II. SCHEDULED ITEMS

2. Early Stages of the Residual Waste Disposal Strategy

That it BE NOTED that the Environmental and Ecological Planning Advisory Committee (EEPAC) received the attached presentation from J. Stanford, Director, Environment, Fleet and Solid Waste and W. Abbott, Project Manager, Solid Waste Management, with respect to the early stages of the Residual Waste Disposal Strategy including an Environmental Assessment for the expansion of the W12A landfill and the development of the Resource Recovery Strategy; it being noted that the EEPAC members are encouraged to provide feedback with respect to this matter.

III. CONSENT ITEMS

3. 5th Report of the Environmental and Ecological Planning Advisory Committee

That it BE NOTED that the 5th Report of the Environmental and Ecological Planning Advisory Committee from its meeting held on May 18, 2017, was received.

4. 7th Report of the Advisory Committee on the Environment

That it BE NOTED that the 7th Report of the Advisory Committee on the Environment from its meeting held on June 7, 2017, was received.

5. Southdale Road West Improvements - Pine Valley Boulevard to Colonel Talbot Road - Municipal Class Environmental Assessment - Notice of Study Commencement

That it BE NOTED that the Notice of Study Commencement dated May 22, 2017 from T. Koza, Project Manager, Corporation of the City of London and P. McAllister, Project Manager, AECOM Canada, with respect to the Southdale Road West improvements, from Pine Valley Boulevard to Colonel Talbot Road Municipal Class Environmental Assessment, was received.

6. Bostwick Road Municipal Class Environmental Assessment Study - Notice of Public Information Centre #2

That it BE NOTED that the Notice of Public Information Centre #2 from H. Huotari, Project Manager, Parsons Inc. and M. Elmadhoon, Traffic and Transportation Engineer, City of London, for Bostwick Road from Southdale

Road to the intersection at Wharncliffe Road South Municipal Class Environmental Assessment, was received.

7. Hyde Park Community Storm Drainage and Stormwater Management Servicing Municipal Class Environmental Assessment Addendum

That it BE NOTED that the Notice of Addendum Commencement and Public Information Centre dated June 27, 2017 from D. Gough, Environmental Services Engineer and C. Moon, Project Manager, AECOM, with respect to the Hyde Park Community Storm Drainage and Stormwater Management Servicing Municipal Class Environmental Assessment Addendum, was received.

8. Extension of Veterans Memorial Parkway Design

That it BE NOTED that the Notice dated June 9, 2017 from M. Kireev, Transportation Planning and Design and I. Bartlett, Stantec Consulting Inc., with respect to the extension of Veterans Memorial Parkway from Huron Street to Clarke Road, was received.

9. Construction Notice - Kiwanis Park Pathway Connection

That it BE NOTED that the Construction Notice dated June 9, 2017 from A. Spahiu, Transportation Design Engineer, with respect to the Kiwanis Park Pathway Connection, was received.

IV. SUB-COMMITTEES & WORKING GROUPS

None.

V. ITEMS FOR DISCUSSION

10. Workplan

That it BE NOTED that the Environmental and Ecological Planning Advisory Committee held a general discussion with respect to its 2017 work plan.

11. Medway Forest Community Meeting

That it BE NOTED that a presentation from K. Moser, with respect to the Medway Forest Conservation Master Plan was received; it being noted that the members were encouraged to complete the survey and provide feedback with respect to this matter.

12. Fulbright Canada RBC Eco-Leadership Grant – Joe Stinziano

That it BE NOTED that a verbal presentation from J. Stinziano with respect to Fulbright Canada RBC Eco-Leadership grants was received; it being noted that the EEPAC provided a number of project suggestions with respect to this matter.

13. London Cats and Birds Pamphlet

That delegation status for a member of the Environmental and Ecological Advisory Committee to attend a meeting of the Animal Welfare Advisory Committee to gather their feedback with respect to the Cats and Birds pamphlet, BE REQUESTED; it being noted that Corporate Communications has reviewed the pamphlet.

14. Summer Meeting Schedule - Discussion

That it BE NOTED that the Environmental and Ecological Advisory Committee will meet on July 20, 2017.

VI. DEFERRED MATTERS/ADDITIONAL BUSINESS

15. (ADDED) Invitation for Representatives to Participate in the London Phragmites Working Group (LPWG)

That it BE NOTED that the potential appointment of S. Siva Kumar as the EEPAC representative to the London Phragmites Working Group was supported in principle; it being noted that S. Siva Kumar has not yet been confirmed as an appointed EEPAC member.

16. (ADDED) Notice of Completion - Mud Creek Subwatershed Schedule B Municipal Class EA

That it BE NOTED that the Notice of Completion for the Mud Creek Subwatershed Schedule B Municipal Class EA from D. Gough, Environmental Services Engineer and T. Mahood, Project Manager, CH2M, was received.

17. (ADDED) Green Standards for Light Pollution and Bird-Friendly Development

That the draft recommended Green Standards for Light Pollution and Bird-Friendly Development BE REFERRED back to the Working Group for review and compilation of all edits including feedback from the Animal Welfare Advisory Committee; it being noted that the Environmental and Ecological Advisory Committee held a general discussion with respect to this matter .

VII. ADJOURNMENT

The meeting adjourned at 7:32 PM.

NEXT MEETING DATE: July 20, 2017

Why Waste?

UPDATES - Resource Recovery Strategy and Residual Waste Disposal Strategy


Environment and Ecological Planning Advisory Committee
June 22, 2017



Why Waste?

Overview

1. Starting the City's most significant waste management project since 1975
2. Provincial legislation and regulation continues to evolve
3. One of the lowest cost, integrated waste management systems, in Canada
4. 45% waste diversion
5. About 8 years of waste disposal capacity remains




Why Waste?

2 Major Projects

Processes are Different	
Resource Recovery Strategy	London driven but must address new Provincial strategy
Residual Waste Disposal Strategy	Provincial Environmental Assessment process but must address local needs


Common Elements	
Community Engagement	Reporting Structure
Guiding Principles	Information and Data



Why Waste?

Council Direction – February 2017

1. A general framework for the community engagement was approved
2. Solicit feedback on 11 Draft Guiding Principles
3. Solicit feedback on 4 key parameters as part of Terms of Reference development
4. 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
5. Further reports to CWC via the WMWG





Why Waste?

Community Engagement Program

Residual Waste Disposal Strategy
Community Engagement Program

Prepared by
City of London
300 Dundas Avenue
P.O. Box 5035
London, Ontario
N6A 4L3

April 2017

Why Waste?

Our New Addition


Get Involved London

Your ideas and feedback help shape the future of our city.

Open for Input

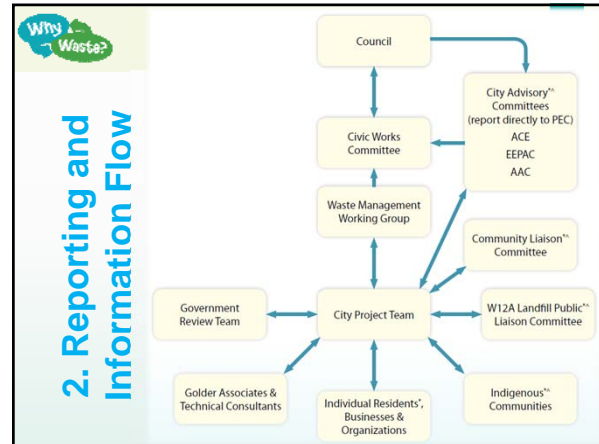
Residual Waste Disposal Strategy
London is developing a Residual Waste Disposal Strategy that will ensure a long-term plan to manage residual waste. As a component of this strategy, we...

Resource Recovery Strategy
The Resource Recovery Strategy focuses the development of options to maximize waste reduction, reuse, recycling and resource recovery for the community.



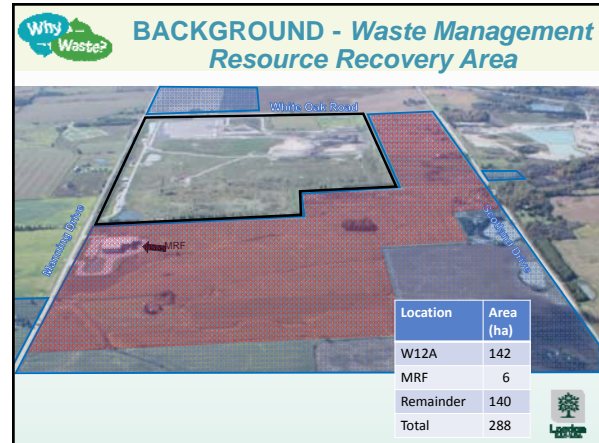
1. Who

General Public	Government Review Team	Indigenous Communities
<ul style="list-style-type: none"> Interested residents, businesses and groups City of London Advisory Committees W12A Landfill PLC Waste Management CLC (new) 	<ul style="list-style-type: none"> Environment and Climate Change Agriculture, Food and Rural Affairs Natural Resources and Forestry UTRCA & KCCA MLHU 	<ul style="list-style-type: none"> engage indigenous communities as early as possible facilitate their involvement in the process in ways that meet their needs



BACKGROUND - Waste Management Resource Recovery Area

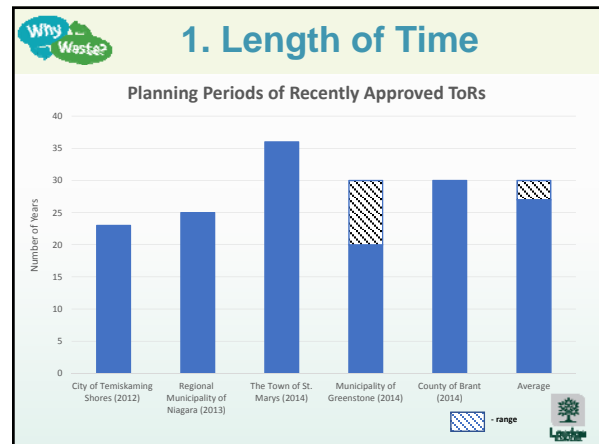
Date	Event
1969 to 1972	W12A Landfill Location Selection
1973	Environmental Approvals
1974	Planning Approvals
1977	Begin Operations
1991 to 1993	Westminster Town Annexation Process
2001 to 2002	Major Redesign/Improvements of Landfill
2005 to 2008	Area Plan (long term planning study)
2009	Special Policy Area added to Official Plan Community Engagement and Mitigative Measures Program Approved
2015	Development of Residual Waste Disposal & Resource Recovery Strategies Approved
2017	Proposed Landfill Expansion Process Begins



Residual Waste Strategy

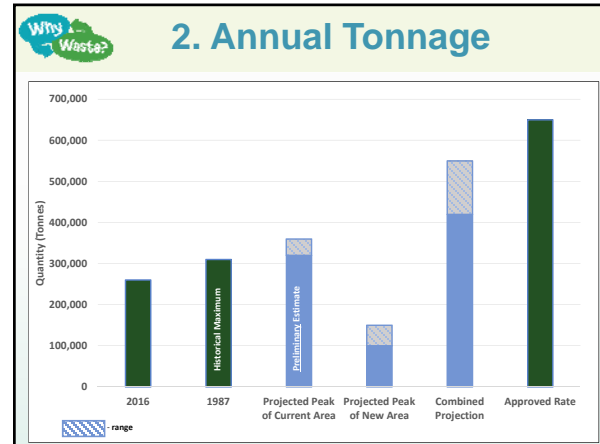
Proposed Expansion of W12A Landfill

- Expand to 2050 (25 years beyond existing capacity).
- Place limits on annual tonnage that can be landfilled.
- Consider allowing neighbouring municipalities to use new/expanded facilities.
- Commit to increasing residential waste diversion from 45% to 60%.



1. Length of Time

Considerations	New Disposal Planning Periods (years)			
	20	25	30	35
Consistent with Other EAs	✓	✓	✓	✓
Consistent with Waste-Free Strategy	✓	✓	✗	✗
MOECC Comments	✓	✓	✗	✗
Understanding of Community Considerations	✓	✗	✗	✗
Financial Considerations	✗	✓	✓	✓



3. Service Area

Current:

1. Solid non-hazardous waste
2. Municipal hazardous and special waste
3. Recyclables (Provincial)

3. Service Area

Provincial

Regional

3. Service Area

Considerations	Service Area		
	Existing	Regional	Provincial
Consistency with Current Approach	✓	✓	✗
Geographic Location (waste shed)	✗	✓	✗
Final Draft Strategy for a Waste-Free Ont.	✗	✓	✓
Provincial Shortfall in Disposal Capacity	✗	✓	✓
Publicly-owned Disposal Option	✗	✓	✓
Community Support	✓?	✓?	✗
Local Nuisance Impacts	✓	✗	✗
Financial Benefit	✗	✓	✓
Backup/Contingency Disposal Capacity	✗	✓	✓
Ease of Approvals	✓	✓	✗

4. Determining Amount of Residual Waste

Generally single family homes, duplexes, townhomes, condos

Direction from Council (part of Resource Recovery strategy):

1. Reduce avoidable food waste
2. Handle "Green Bin" organics soon
3. What are near term options?
4. What are longer term options?

Why Waste?

4. Determining Amount of Residual Waste

- Food Waste Avoidance
- Home Composting
- Community Composting
- Source Separated Organics
- Facility Separated Organics
- Waste Conversion

Why Waste?

4. Determining Amount of Residual Waste

December 2016 FINAL DRAFT

Interim Diversion Goals (all solid waste):

- 30% by 2020
- 50% by 2030
- 80% by 2050

Visionary Goals:

1. Zero Waste
2. Zero GHG emission from the waste sector

Why Waste?

4. Determining Amount of Residual Waste

Achievable with Today's Technologies

Component	Diversion Rate	Comment
Existing Diversion	45%	• Blue Box, leaf/ yard, depots, etc.
Source separated organics (Green Bin? Other?)	8% to 12%	• May need to go to biweekly garbage
Other Programs	3% to 5%	• Reduction, more captured, more items
Total	56% to 62%	

Why Waste?

4. Determining Amount of Residual Waste

Region of Durham EFW (using combustion)

Why Waste?

4. Determining Amount of Residual Waste

Achievable with Tomorrow's Technologies?

Component	Diversion Rate Recovery Rate
Existing Diversion (regulated?)	45%
Mechanical/Biological Treatment (MBT) <ul style="list-style-type: none"> • material and energy recovery • anaerobic digestion Waste conversion technologies <ul style="list-style-type: none"> • gasification, gas phase reduction, pyrolysis 	15% to 45%
Total	60% to 90%


Why Waste?

Key Stages in TOR Phase Community Engagement

Stage	When?
Community Engagement – Overall	March 2017 to March 2018
1. Announcement of Project	March/April 2017
2. Confirm Project Scope <ul style="list-style-type: none"> • Introduction of project • Feedback on overall direction 	April - July 2017
3. Develop Landfill Expansion Alternatives <ul style="list-style-type: none"> • Review of landfill alternatives • Input on technical studies 	August – Nov. 2017
4. Feedback on Draft TOR	Dec. 17 - Feb. 2018

Why Waste? Key Technical Studies

- Archaeology/Heritage
- **Atmosphere (air quality, dust, odour & noise)**
- **Biology (aquatic and terrestrial ecosystems)**
- Design/Operations
- Economic/Social
- **Hydrogeology (groundwater)**
- **Hydrology (surface water)**
- Leachate Treatment
- Planning (agricultural, Land Use)
- Traffic
- Visual Impact




Why Waste? Key Stages in Resource Recovery Community Engagement

Stage	When?
Community Engagement – Overall	March 2017 to March 2018
1. Announcement	March/April 2017
2. Discovery	May - July 2017
<ul style="list-style-type: none"> • Choices, Ideas, Transition • What is practical? What is possible? 	
3. Develop 60% Diversion by 2022 Plan	August – Nov. 2017
<ul style="list-style-type: none"> • Feedback on implementation plan 	
4. Develop Overall Long Term Resource Recovery Strategy	August – Feb. 2018
<ul style="list-style-type: none"> • Feedback on long term strategy 	

Why Waste? How Can EEPAC participate?


- Chair sign up on behalf of EEPAC
- Individual members/groups sign up
- City staff meet with EEPAC at key milestones
- Answer GI Questions (individually and/or as a group)



Why Waste? ADDITIONAL SLIDES

NOTE - The following slides are part of the overall presentation.

However to accommodate available timeframes with different audiences some slides may be provided in hard and/or electronic copy and not referred to in the verbal presentation.




Why Waste? Years of Local Engagement



Why Waste? 1. Who

Includes:

- W12A Landfill PLC
- W12A landfill neighbours (275 letters)



1. Who

New - Waste Management Community Liaison Committee

- Informal sounding board for City staff
- Represents diverse views
- Provides input on public materials
- Assistance in reviewing issues received from the community, as appropriate.

Draft Guiding Principles

- Be Socially Responsible
- Ensure Financial Sustainability
- Ensure Impacts of Residual Waste Disposal are Minimized
- Ensure Responsibility for Waste Management
- Implement more Resource Recovery Solutions
- Make the Future System Transparent

Draft Guiding Principles (continued)

- Make Waste Reduction the First Priority
- Prioritize our Community's Health and Environment
- Support Development of Business (contractual) Partnerships
- Support Development of Community Partnerships
- Work to Mitigate Climate Change Impacts

Steps in Environmental Assessment Process

Two Phase Process

Phase 1 – Terms of Reference (TOR)

- Work plan for EA

Phase 2 – Environmental Assessment (EA)

- Complete studies to assess impacts
- Compare alternatives

Develop ToR Tentative Reporting Schedule

Step	When
Community Engagement	March 2017 to April 2018
Prepare/Review Draft ToR	May 2017 to Feb. 2018
Interim Update to CWC	December 2017
Prepare Proposed Final ToR	March/April 2018
WMWG Meetings	May, Sept. Dec. 2017
WMWG/Committee (hold PPM) & Council	March/April 2018
Council approved Proposed ToR to MOECC	May 2018

Future EA Activities & Reporting Schedule

Step	When
Minister ToR Approval	September 2018
All EA activities + All community engagement	October 2018 to December 2019
Prepare Draft/Proposed EA	January to June 2020
Committee / Council Approval	June 2020
Submission to MOECC	July 2020


Resource Recovery Strategy Schedule	
Step	When
Community Engagement	March 2017 – March 2018
Provincial Actions (inc. Organics Action Plan and Recycling Funding)	March 2017 – April 2018
Updates to WMWG/CWC/ Council – General Direction	Sept – Nov. 2017
CWC/Council – final approval	March 2018

#1 - Action Required

Please Rank the Draft Guiding Principles
Please indicate what you feel are the most important principles for the development of London's Residual Waste Disposal Strategy, including a proposed landfill expansion **AND** Resource Recovery

Instructions:

- Drag and drop the options into the space below. The higher the principle is in the rectangle, the higher the ranking. Please move all principles into the rectangle before submitting.
- Any changes, additions, deletions



#2 - Action Required



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)

- Agree
- Disagree, should be longer period
- Disagree, should be shorter period

Look at the possibility of allowing neighbouring municipalities to use any new waste disposal facilities developed by the City of London;

- Agree
- Undecided
- Disagree

#2 - Action Required

Place limits on the amount of Residual Waste that will be accepted at any new waste disposal facilities;

- Agree
- Undecided
- Disagree

Commit to increasing the current household waste diversion rate to 60% by 2022 from the current rate of 45%.

- Agree
- Undecided
- Disagree

Any comments on the above components?



