

The Waste Strategy

Public Consultation Event #2 Workbook

The City of Toronto is looking for your input on the preliminary options and draft evaluation criteria for the Long Term Waste Management Strategy. This Workbook has been prepared to guide discussion on these topics at Public Consultation Event #2. If you have any questions about the options or evaluation criteria, please email wastestrategy@toronto.ca.

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| Time  | Agenda Item  |
| 5pm  | Open House |
| 7pm  | Presentation on Project and Evaluation Processes, Vision and Guiding Principles (20 minutes) |
| 7:20pm | Program Options and Criteria – Presentation and Table Discussions (50 minutes) |
| 8:10pm | Facility Options and Criteria – Presentation and Table Discussions (40 minutes) |
| 8:50pm | Wrap Up (10 minutes) |

**please hand in your completed workbook at the end of the public consultation event or submit by July 24, 2015.**

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**Feedback provided in the workbook will become part of the meeting record.**

Program Options

Program options include enhancements to existing or new waste management programs and partnerships. **Options relate to promotion, education, reduction, reuse, recycling, multi-residential homes, the industrial commercial and institutional sector, as well as system-wide considerations.** We are looking for your input on options you would find most useful and/or whether any program options are missing.

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| Promotion and Education  | Reduce and Reuse  |
| **Gap/Challenge: Ability to reach Toronto's diverse communities.** | **Gap/Challenge: Need to reduce waste produced and then find ways to reuse before recycling or disposing.**  |
| Possible Options to Address Gap/Challenge:☐ Develop an educational mobile phone application (e.g., waste sorting tool or product lifecycle calculator)☐ Expand the City’s waste management social media presence☐ Incorporate innovative practices from other cities☐ Provide more in-person workshops and educational events☐ Provide more support for volunteer outreach**Please check the one(s) that would be most helpful to you.** | Possible Options to Address Gap/Challenge:☐ Initiatives to reduce food waste (such as advertising campaigns) ☐ More involvement of non-profit organizations that collect/manage materials for reuse ☐ More opportunities for collection, reuse and/or recycling of used clothing ☐ Support events to sell, swap, and/or give away materials**Which of the options being considered would best help you reduce and reuse more? (Check all that apply).** |
| **What other options related to promotion and education should be considered?**

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 | **Are there other options related to helping Torontonians Reduce and Reuse that should be considered?**

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| Recycling  | Multi-Residential Homes  |
| **Gap/Challenge: Increase convenience and materials for recycling and adapt to changes in waste.**  | **Gap/Challenge: High population living in apartments and condos and very low diversion rates.**  |
| Possible Options to Address Gap/Challenge:* + Advocating for deposit return on more items
	+ Encouraging producers to make their products and packaging more environmentally friendly
	+ Expanding our recycling programs to handle new materials (e.g., furniture)
	+ Encouraging more backyard composting and community composting
	+ Considering additional technologies to process recyclables and organic waste
 | Possible Options to Address Gap/Challenge:☐ Better communications/education for property managers, landlords, and tenants☐ Better tracking to know when collection containers are full and need to be picked up☐ Mandatory recycling requirements and use of by-laws and enforcement☐ New collection approaches that increase convenience (e.g., underground vacuum based collection) ☐ On-site composting of food waste and/or use of garburators in buildings☐ I don’t know**Check the ideas that you think would be most helpful to increase diversion in apartments and condos.** |
| **Are there any other recycling and processing options that we should consider?**

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 | **Do you have any other ideas to help divert apartment and condo waste from landfill?**

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| Industrial, Commercial & Institutional  | System Considerations |
| **Gap/Challenge: Influence over waste diversion in the City’s Industrial, Commercial & Institutional sector.**  | **Gap/Challenge: Address other considerations to improve Toronto’s waste management system.** |
| Possible Options to Address Gap/Challenge:* Continue to provide some collection but encourage use of private sector collection
* Expand collection services to gain more control and influence over waste diversion
* Implement new policies to improve waste diversion without providing additional services
* Influence the reduction and reuse of construction and demolition waste
* Stop providing waste managementservices to this sector
 | Possible Options to Address Gap/Challenge:* Continue collaboration with industry and municipal organizations to advocate for change and reduced waste
* Evaluate impacts of alternative collection arrangements for apartments and condos, including more collection services being provided by the private sector
* Explore use of bans, levies or fines to ensure proper disposal
* Review regulatory options through City of Toronto Act, new provincial waste legislation or by-law enforcement to encourage diversion
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| **Are there any other options for the Industrial, Commercial & Institutional sector that we should consider?**

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 | **Are there any other options for system-wide change that we should consider?**

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**What are your thoughts on the ideas presented? What other program options do you think should be included for consideration or could help in the development of the Waste Strategy?**

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| PROGRAM EVALUATION CRITERIARank your Top 6 criteria (with 1 being Most Important). Add any additional criteria in the blank spaces provided. |
|  | Rank | Criteria | Here is what we will measure |
| Environmental |  | **Environmental Impact** | Potential Pollutants to Air, Land and/or Water |
| Greenhouse Gas Contributions |
| Energy Generation / Consumption |
|  | **Potential to Increase**  **Diversion from Disposal** | Ability to recover additional recyclable materials |
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| Social |  | **Approvals Complexity** | Complexity associated with approvals and permitting requirements |
|  | **Collaboration Opportunities** | Ability to partner with other municipalities / organizations |
|  | **Community Impact/Benefit** | Potential for traffic increase/reduction |
| Potential for litter increase/reduction |
|  | **Convenience of User** | Ease of participation |
|  | **Innovation** | Innovation potential |
|  | **Program Complexity** | Potential to increase in program complexity to user |
|  | **Waste Hierarchy** | Consistency with Waste Hierarchy |
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| Financial |  | **Contractual Risk** | Risk associated with contract requirements (including Terms and Conditions, competition, etc.) |
|  | **Economic Growth** | Potential for economic growth |
|  | **Flexibility** | Ability to accommodate future changes (e.g. regulation, waste composition, etc.) |
|  | **Net Capital Cost** | Total estimated capital cost |
|  | **Net Operating Cost** | Total estimated operating cost |
|  | **Schedule Risk** | Timeline associated with implementation |
|  | **Technology Risk** | Risk associated with proven nature of technology |
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**Is there anything else we should consider for program evaluation criteria?**

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Facility Options

Facility options involved modifying or creating new waste management infrastructure and determining methods to finance these projects. **Options relate to collection and drop-off, energy from waste, landfill, and system financing.** The facility options are listed below. We are looking for your input on options you find most useful, your thoughts on the options proposed and/or whether any facility options are missing.

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| Collection & Drop-Off  | Energy from Waste  |
| **Gap/Challenge: Provide customers with convenient and flexible opportunities to divert waste.**  | **Gap/Challenge: Preserve landfill disposal capacity and recover energy.**  |
| Possible Options to Address Gap/Challenge:☐ A new network of permanent, small scale neighbourhood drop-off depots☐ Mobile drop-off depots in high traffic areas for targeted recyclable materials☐ More partnerships with non-profit organizations to collect/manage materials☐ New devices, like reverse vending machines, where you receive incentives for dropping off your waste**Check the option(s) that you would find most helpful.** | Possible Options to Address Gap/Challenge:* Combustion/Incineration
* Gasification
* Pyrolysis
* Waste pelletization
* Landfill gas recovery
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| **Are there any other options related to collection and drop-off of waste that we should consider?**

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 | **What are your thoughts on these technologies?**

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| Landfill  | System Financing  |
| **Gap/Challenge: Extend life of Green Lane Landfill and/or find other disposal opportunities.**  | **Gap/Challenge: Divert more waste while achieving financial sustainability.**  |
| Possible Options to Address Gap/Challenge:* Use a private sector landfill
* Expand the City’s Green Lane landfill near London, ON
* Find more space in active and/or closed landfills owned by the City
* Purchase another landfill
* Modify operations at Green Lane Landfill (e.g., consider a bioreactor, maximize airspace)
* Adjust disposal fees or discontinue acceptance of paid private customers at Green Lane Landfill
* Contract out future landfill capacity
 | Possible Options to Address Gap/Challenge:☐ Advocate producers of packaging to become more responsible for the cost of managing the waste they produce☐ Borrow money to pay for new programs☐ Charge Solid Waste fees that create a fully independent utility ☐ Public/private partnerships for new waste facilities☐ Secure alternative revenue generation opportunities (e.g., build additional capacity into facilities and sell excess capacity)☐ Show separate fees for garbage, Blue Bin and Green Bin ☐ I don’t know**Which option do you think are appropriate for Toronto? (Check all that apply).** |
| **What are your thoughts on these options?**

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 | **What other system financing options do you think should be considered?**

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**What are your thoughts on the ideas presented? What other facility options do you think should be included for consideration or could help in the development of the Waste Strategy?**

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| FACILITY EVALUATION CRITERIARank your Top 6 criteria (with 1 being Most Important). Add any additional criteria in the blank spaces provided. |
|  | Rank | Criteria | Here is what we will measure |
| Environmental |  | **Local Environmental Impact** | Potential contaminants to land resources |
| Potential pollutants to local airshed |
| Potential pollutants to local water sources |
| Total land required and land use displacement |
|  | **Potential to Increase Diversion from Disposal** | Ability to recover additional recyclable materials |
|  | **Regional/Global Environmental Impact** | Energy generation / consumption |
| Fossil fuel consumption/displacement |
| Greenhouse gas contributions |
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| Social |  | **Approvals Complexity** | Complexity associated with approvals and permitting requirements |
|  | **Community Impact/Benefit** | Potential for traffic increase/reduction |
| Potential for litter increase/reduction |
|  | **Convenience of User** | Ease of participation |
|  | **Potential for Land Use Conflicts/Community Interruption** | Potential odour emissions |
| Potential noise emissions |
| Potential for increased vector/vermin |
|  | **Program Complexity** | Potential to increase in program complexity to user |
|  | **Waste Hierarchy** | Consistency with Waste Hierarchy |
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| Financial |  | **Contractual Risk** | Risk associated with contract requirements (including Terms and Conditions, competition, etc.) |
|  | **Economic Growth** | Potential for economic growth |
|  | **Flexibility** | Ability to accommodate future changes (e.g. regulation, waste composition, etc.) |
|  | **Net Capital Cost** | Total estimated capital cost |
|  | **Net Operating Cost** | Total estimated operating cost |
|  | **Schedule Risk** | Timeline associated with implementation |
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**Is there anything else we should consider for facility evaluation criteria?**

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**Draft Vision Statement for the Waste Strategy**

Based on feedback receive to date through consultation, the following draft Vision Statement has been developed:

*Together we will reduce the amount of waste we generate, reuse what we can, and recycle and recover the valuable resources in our waste that remain. We will embrace a waste management system that is user-friendly, convenient and accessible with programs and facilities that balance the needs of the community and the environment with long term financial sustainability. Together, we will ensure a clean, beautiful and green City in the future.*

**Do you have any comments on the draft Vision Statement?**

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**Do you have any other comments or suggestions about the Waste Strategy?**

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**TORONTO WASTE STRATEGY**

**Public Consultation Event #2 Feedback Form**

1. **What is your biggest take away from this public consultation event?**

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1. **What part(s) did you find the least useful or enjoyable?**

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1. **Do you have any suggestions for improving future public consultation events?**

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1. **Additional comments?**

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