



London
CANADA

An aerial photograph of London, Ontario, Canada, showing a mix of urban buildings and green spaces. The word "LONDON" is overlaid in large, white, semi-transparent capital letters across the middle of the image. The background shows a city skyline with various high-rise buildings, some under construction with cranes, and a dense area of trees with autumn foliage in shades of yellow, orange, and red. A road with traffic is visible in the foreground.

Interim Waste Diversion Plan

Prepared for Civic Works Committee

July 22, 2014



CITY OF LONDON
Strategic Plan

2011-2014





RESULT: A GREEN AND GROWING CITY

How do we know that our city is green and growing?

- Sustainability - Londoners making environmentally friendly choices, including transit modes
- Consumption - waste diversion, energy conserved, greenhouse gas emissions
- Nature Protection - leaf cover, watershed health, green space and biodiversity
- Responsible Growth - assessment growth, population and housing density

Our Strategies:

- Protect our *natural heritage and environment*
- Promote a “*green culture*” and the fundamentals of *sustainability*
- Reduce *carbon footprint* through wise actions that benefit our local, regional and global environment
- Develop *walkable, connected communities with great public spaces*
- *Facilitate, plan and manage growth* for the greatest long-term benefit of all
- Demonstrate *environmental leadership* in all municipal operations
- Establish London as a *leader in green technologies*



Road Map 2.0

The Road to Increased Resource Recovery and Zero Waste

December 2013

- 1990 Blue Box
- 1996 Composting
- 1997 Continuous Improvement System
- 1999 Apartment Recycling
- 2007 Road Map 1.0
- 2014 Road Map 2.0



2014



Interim Waste Diversion Plan 2014 to 2015

Including the Following Reports:

*Road Map 2.0
Feedback*



Road Map 2.0





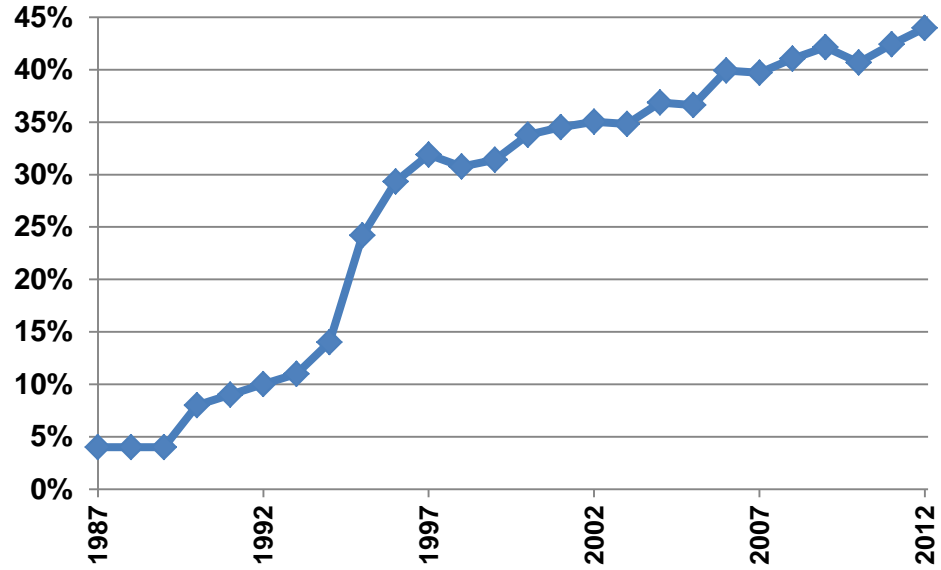
Why is this IWDP important?

- Long term planning is delayed in the Province
- Road Map 2.0 (November 2013) reflected this possibility
- The Interim Plan identifies what can be done immediately and in the short term - 2014 and 2015



- Reflects continuous improvement
- Many residents and Province expect/ want more diversion over time
- Economy benefits
- Environmental benefits

Waste Diversion 1987 - 2013



50% - curbside diversion rate
18% - multi-res diversion rate
44% - combined rate





What are the key influencing factors for the actions?

- Supported in the Community Engagement process
- Provincial developments are very unlikely to conflict with these actions
- Cost and time-lines are feasible

Care about the ENVIRONMENT?

We'd like your opinion on two draft plans:

- Future waste management programs
- How to reduce energy use

Have your say at london.ca/environment





How have Londoners been involved?

Community Events & Locations

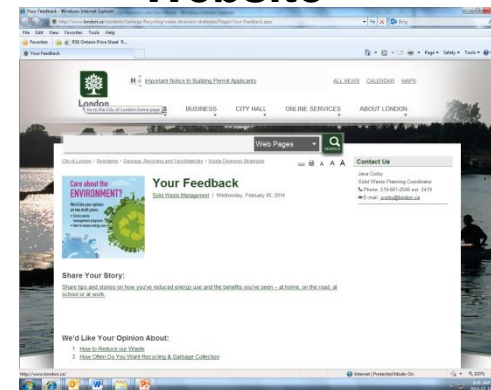


Community Facilities



Community Centres & Libraries

Website





Cost of Proposed Programs/Initiatives for IWDP

| # | Initiative/Program | 2014 | 2015 | Comment |
|-------------------------------------|--|----------|----------|--|
| ‘Underway’ and ‘For Early Adoption’ | 1 North End EnviroDepot Expansion | \$60,000 | \$60,000 | • In approved 2014 budget |
| | 2 Provide two Blue Boxes | \$5,000 | \$5,000 | • In approved 2014 budget |
| | 3 Sell recycling carts to building owners at cost | \$0 | \$0 | • No budget required |
| | 4 Add vegetable oil and used motor oil to EnviroDepots | \$0 | \$16,000 | • In approved budget 2014 (delayed) • Will generate \$5,000 per year in revenue |



Cost of Proposed Programs/Initiatives for IWDP

| # | Initiative/Program | 2014 | 2015 | Comment | |
|--|--------------------|---|------|----------|--|
| Additional initiatives from Road Map 2.0 | 5 | Add mixed polycoat & blister packaging | \$0 | \$0 | • May be small loss or profit depending on markets |
| | 6 | Examine reduced container limits | \$0 | ? | • No budget required |
| | 7 | Community composting pilot project | - | \$30,000 | • Include in 2015 draft budget |
| | 8 | Food reduction awareness pilot project | - | \$20,000 | • Include in 2015 draft budget |
| | 9 | Examine incentive options for recycling | - | \$20,000 | • Include in 2015 draft budget |



What are the expected outcomes?

| Potential Outcomes | Which initiatives? |
|---|---|
| <ul style="list-style-type: none">• Increased diversion | <ul style="list-style-type: none">• Adding accepted items to Depots & Blue Box program• Container limits for garbage |
| <ul style="list-style-type: none">• Improved service delivery & convenience | <ul style="list-style-type: none">• More Blue Boxes & Blue Carts• North End EnviroDepot |
| <ul style="list-style-type: none">• Increased citizen engagement | <ul style="list-style-type: none">• Incentives for Blue Box Recycling |
| <ul style="list-style-type: none">• Identify new programs for increased waste diversion | <ul style="list-style-type: none">• Community Composting & Food Waste Reduction |

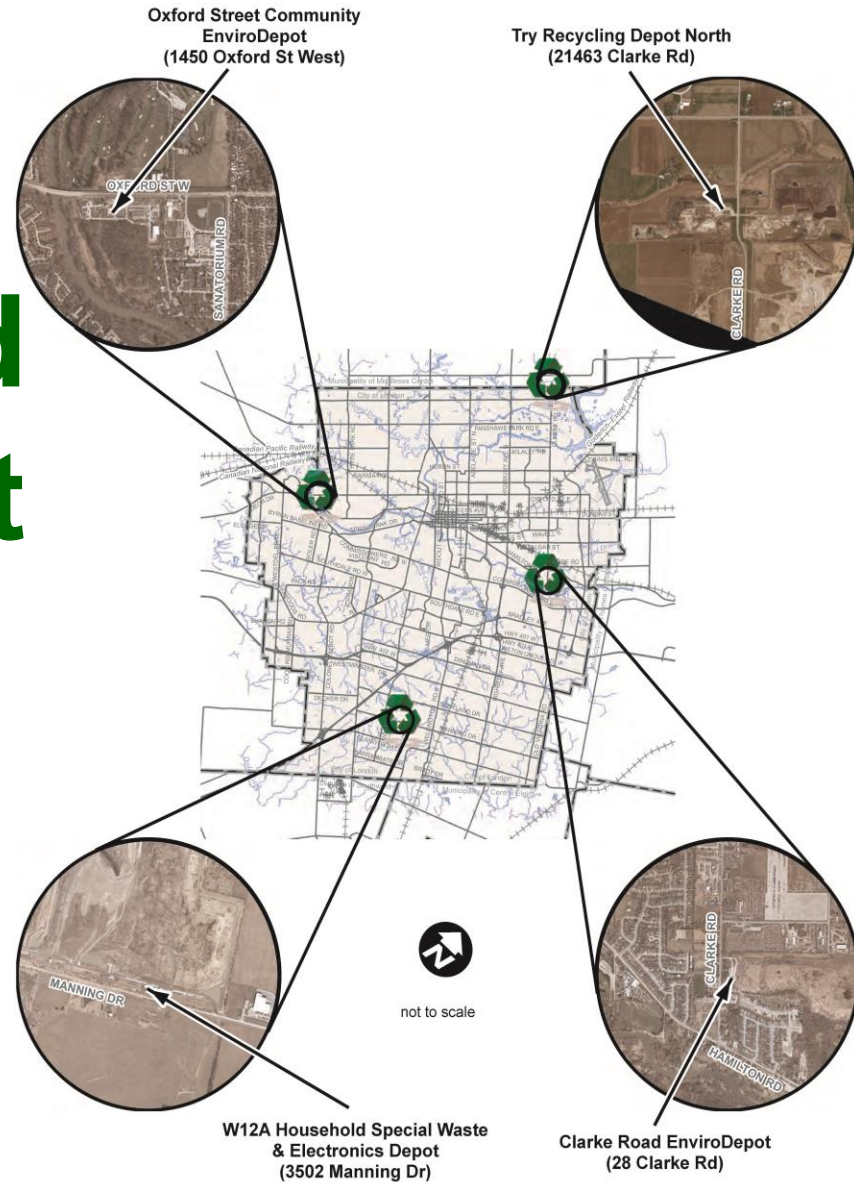


A few more details on:

- 1. North End EnviroDepot**
- 5. Adding Polycoat Containers**
- 5. Adding Plastic Blister Packaging**
- 6. Examining Container Limits**



1. North End EnviroDepot



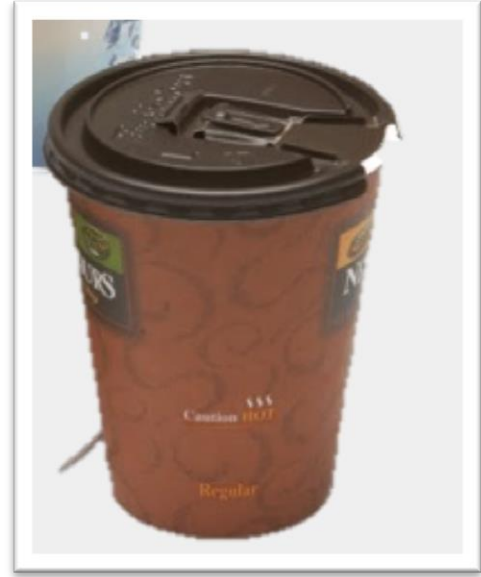


5. Adding Polycoat Containers

‘Polycoat’ describes multi-layer containers such as: milk cartons, juice boxes, beverage cups and ice cream tubs.

Analysis included:

- New North American markets
- Expect 15 million containers/year, mostly coffee cups
- Already receive 10 – 20%
- Education will be required – all polycoat belongs in the ‘container’ box





5. Adding Blister Packaging

‘Blister Packaging’ describes rigid plastic, see-through packaging around toys, hardware, batteries

Analysis included:

- Material mix of plastic is changing
- Markets now willing to accept
- Expect 1 million pieces/year
- Education will be required (paper inserts to be removed) – all blister packaging belongs in the ‘container’ box





6. Container Limits – How are we currently doing?

| Number of Containers | Percent of Setouts | Percent of Setouts – Mondays only |
|----------------------|--------------------|-----------------------------------|
| 5 or more | 1% | 2% |
| 4 or less | 99% | 98% |
| 3 or less | 94% | 93% |
| 2 or less | 84% | 83% |
| 1 Container | 54% | 52% |



| Municipality | Container Limit | Green Bin | Collections per Year | Equivalent per Year |
|---------------------------------|-----------------|-----------|----------------------|---------------------|
| Niagara Region | 1 | Yes | 52 | 1 |
| Hamilton | 1 | Yes | 52 | 1 |
| Halton Region | 3 | Yes | 26 | 1.5 |
| Peel Region | 2 | Yes | 52 | 2 |
| Durham Region | 4 | Yes | 26 | 2 |
| St Thomas | 2 | Yes | 52 | 2 |
| Ottawa | 6 | Yes | 26 | 3 |
| Sarnia | 3 | No | 52 | 3 |
| <i>London - existing</i> | 4 | No | 42 | 3.2 |
| Brantford | 5 | No | 52 | 5 |
| Waterloo Region | 10 | Yes | 52 | 10 |
| Windsor | no limit | No | 52 | no limit |
| Toronto | carts | Yes | 26 | - |



London
CANADA

THE CITY OF OPPORTUNITY

An aerial photograph of London, Ontario, Canada. The foreground is dominated by a lush green forest. A river flows through the center of the forest, with a small bridge crossing it. In the background, a city skyline is visible, featuring various high-rise buildings and residential structures under a clear blue sky.

Interim Waste Diversion Plan