



London
CANADA

An aerial photograph of London, Ontario, showing a mix of green trees and urban buildings. The word "LONDON" is written across the middle of the image in large, white, semi-transparent capital letters. A yellow horizontal bar is at the bottom of the image.

LONDON

Waste Diversion and Garbage Collection Updates

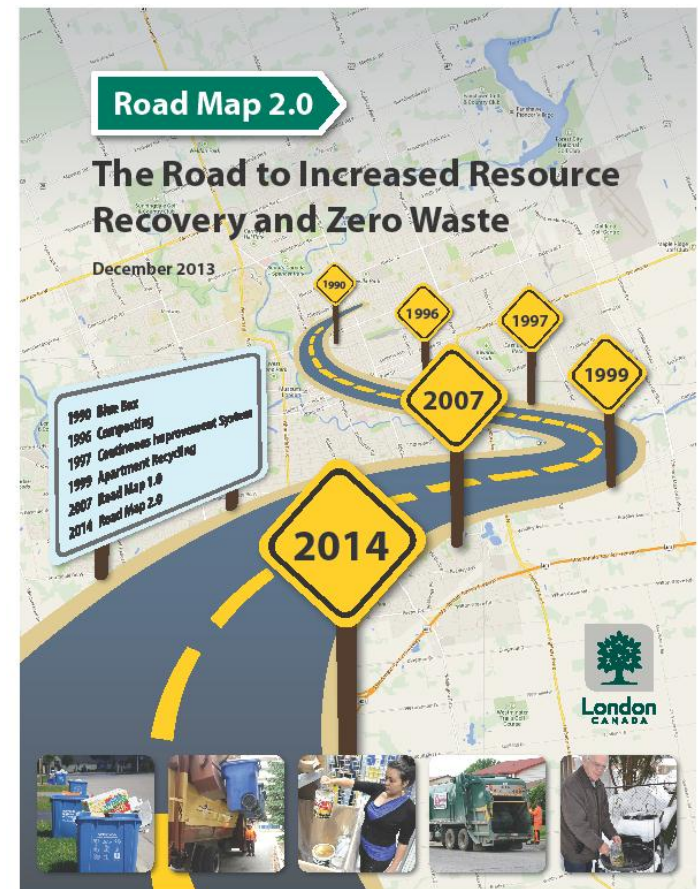
Prepared for Civic Works Committee

November 25, 2013



Areas for Discussion

1. Road Map 2.0 – The Road to Increased Resource Recovery and Zero Waste
2. Alternative Waste Collection Systems
3. Additional Waste Management Cost Information





Road Map 2.0 – Major Goals

1. Celebrate achievements
2. Present logical initiatives and timeframes
3. Balance:
 - Create economic benefits and jobs
 - Minimize costs
 - Meet expectations of taxpayers
 - Demonstrate environmental benefit
4. Engage the Community – 4+ months





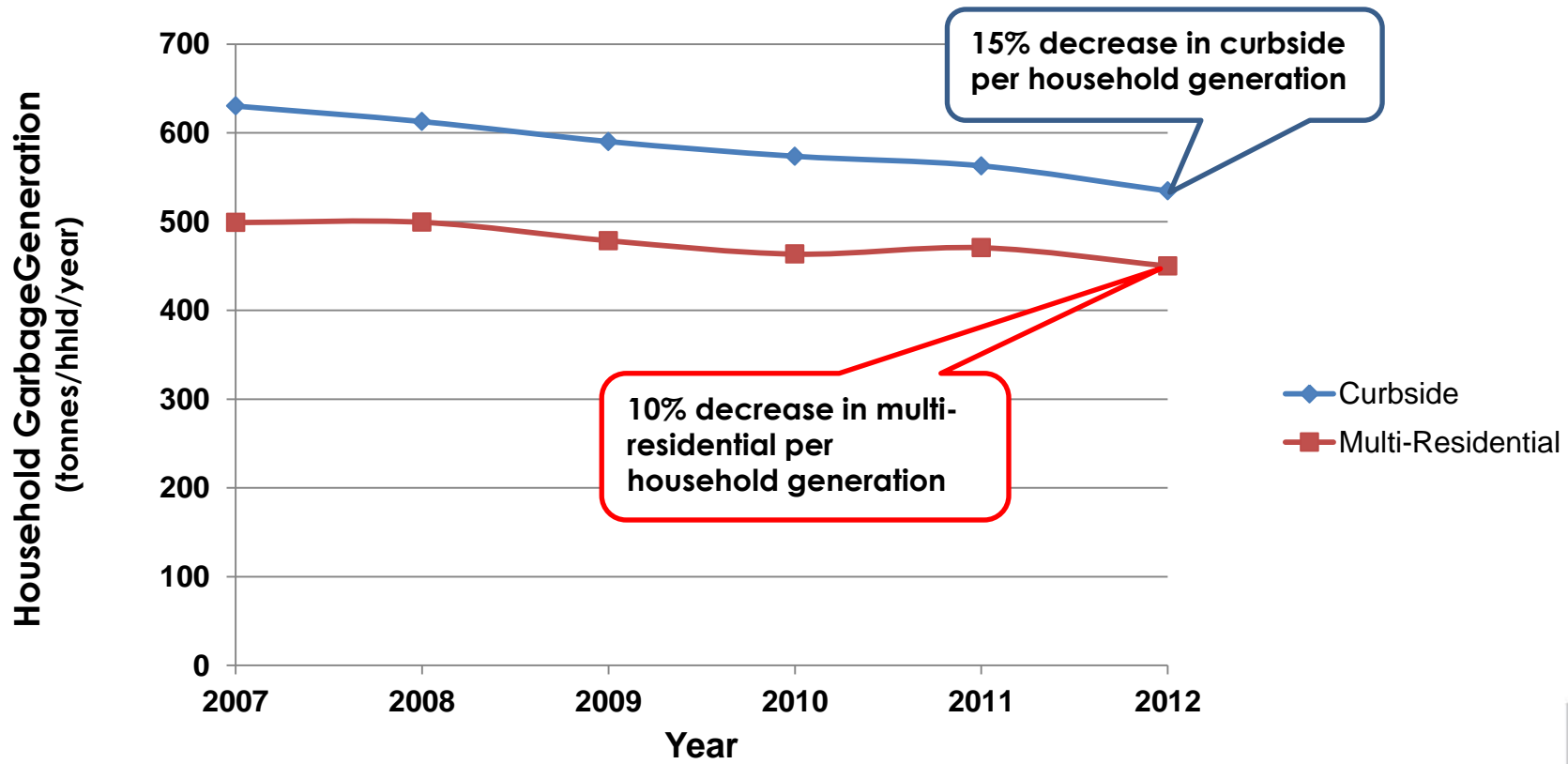
How far have we come since Road Map 1.0, 2007?

- 23 (~90%) of measures in place
- 2 (~10%) of measures in progress
- 44% waste diverted (2012)
 - 50% curbside
 - 17% multi-residential



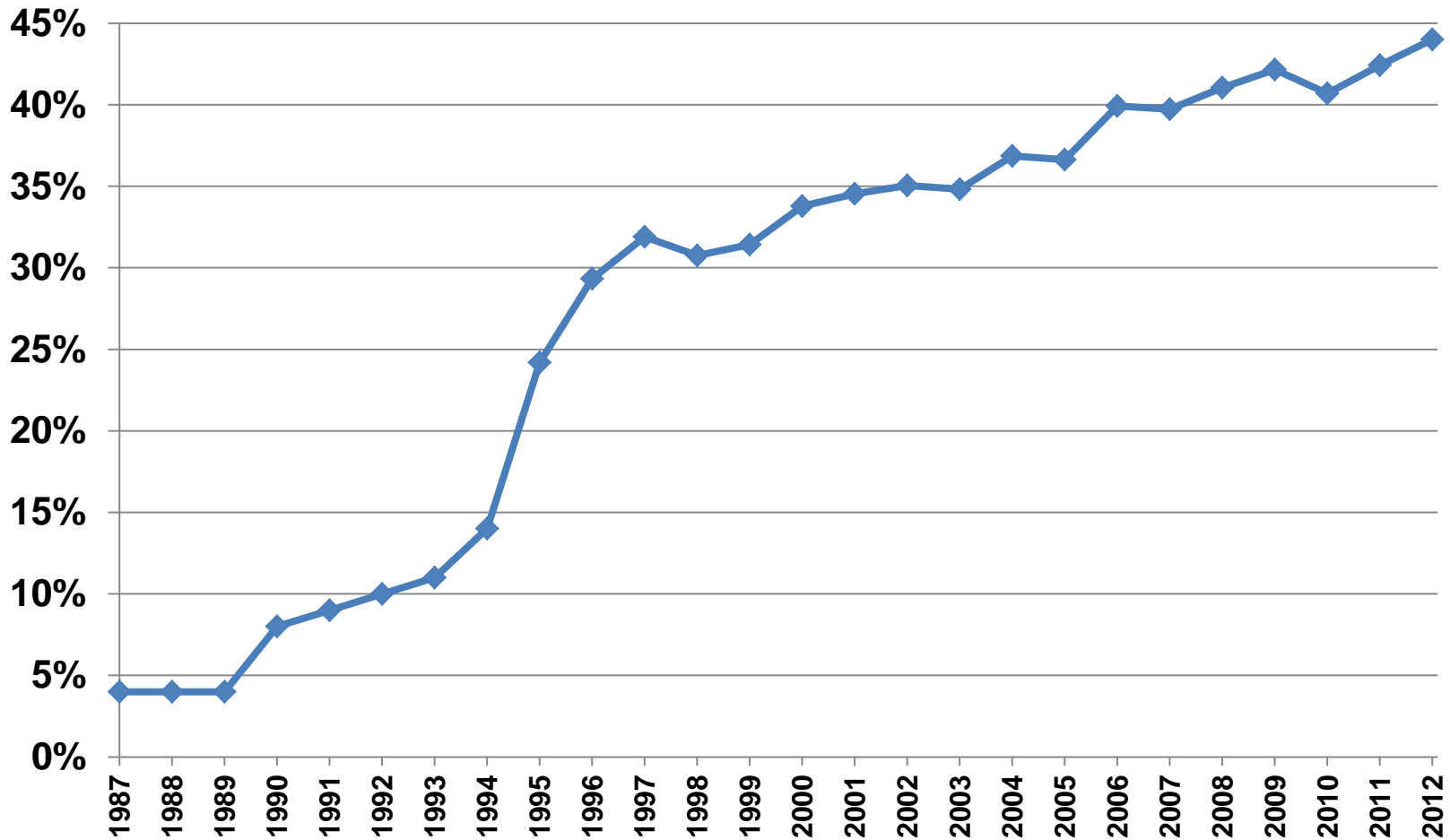


Garbage Generation from 2007 to 2012





Waste Diversion Rate: 1987 - 2012





Diversion Program Highlights

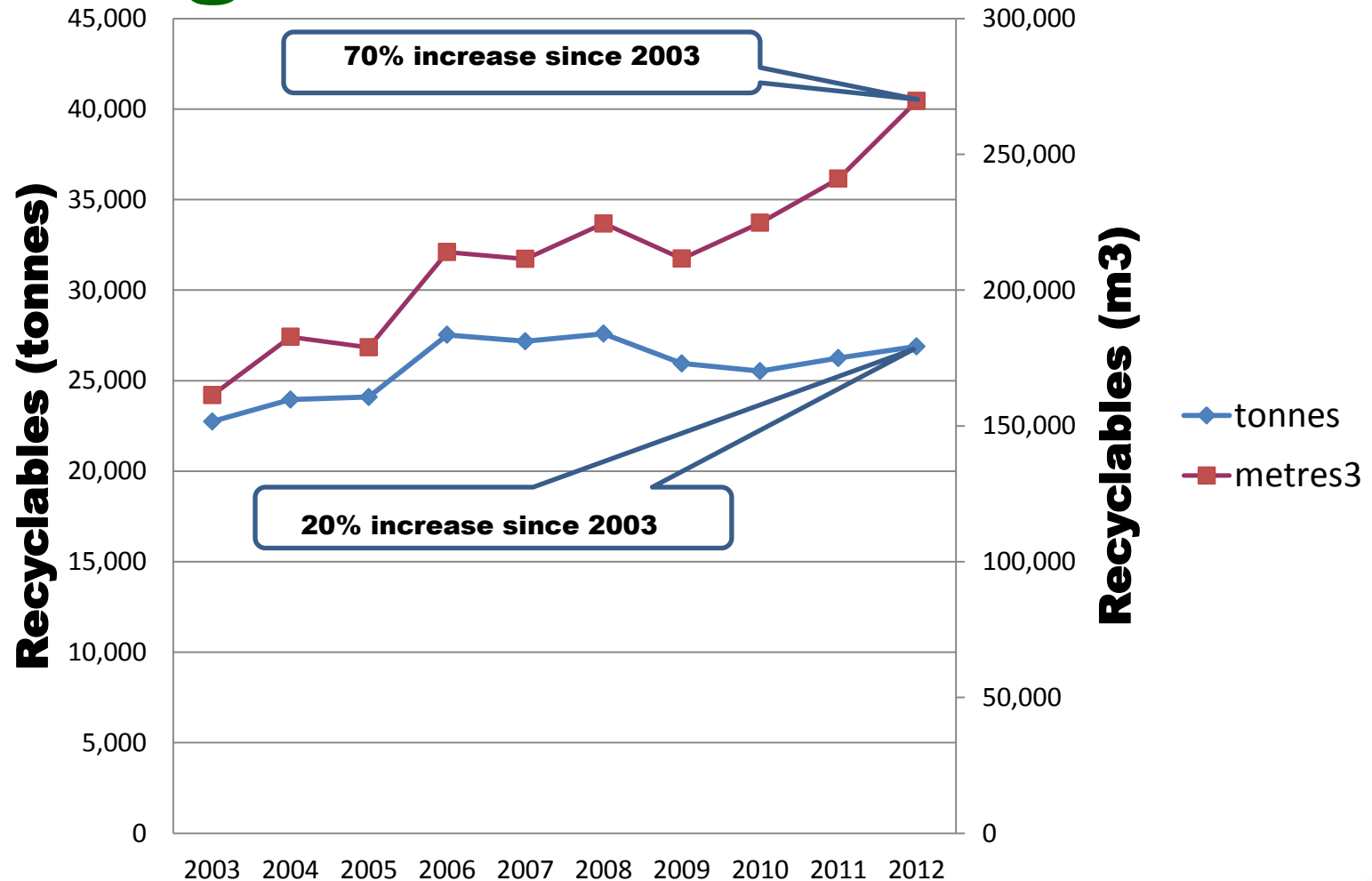
The waste stream is changing:

- Less dense items
- More lightweight materials
- More materials can be recycled





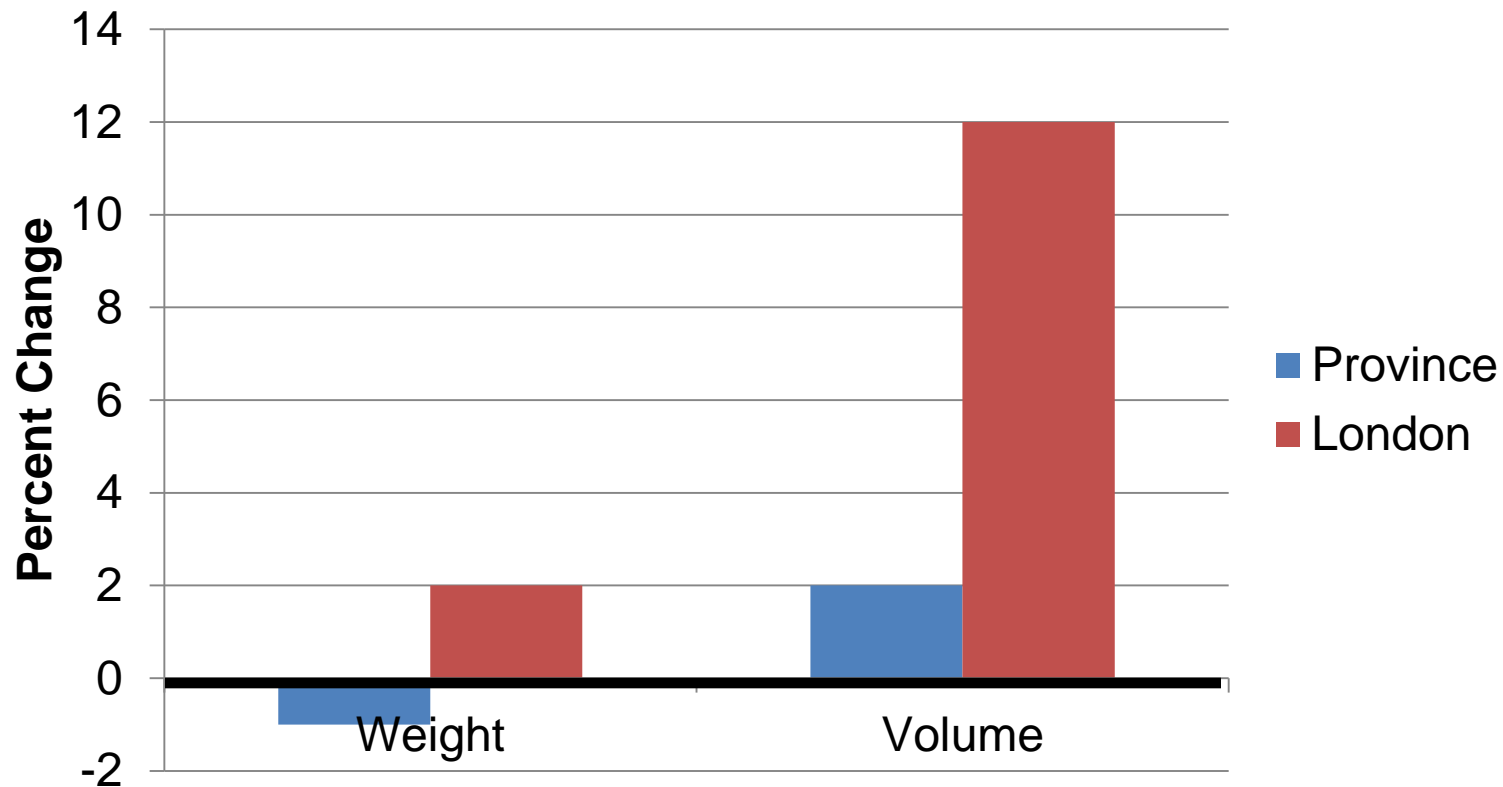
Changes Over Last Decade





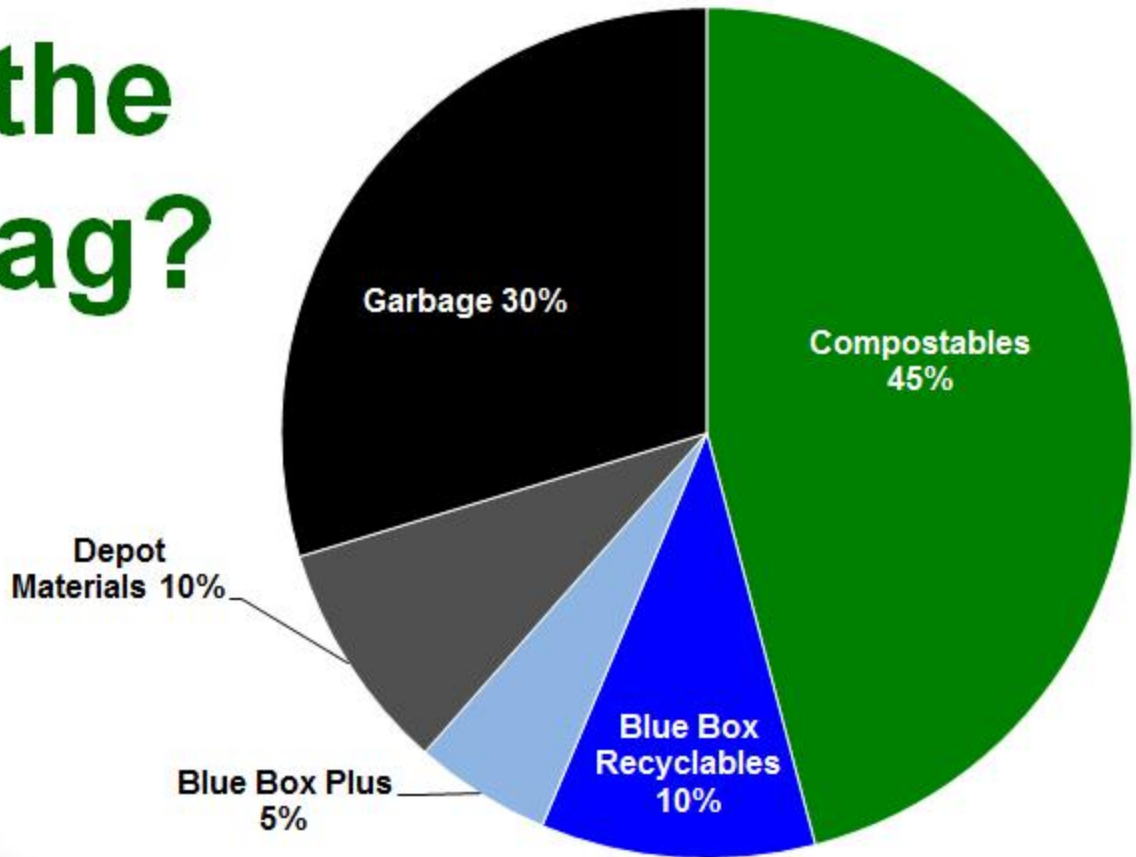
Diversion Program Highlights

Blue Box Recyclables from 2011 to 2012





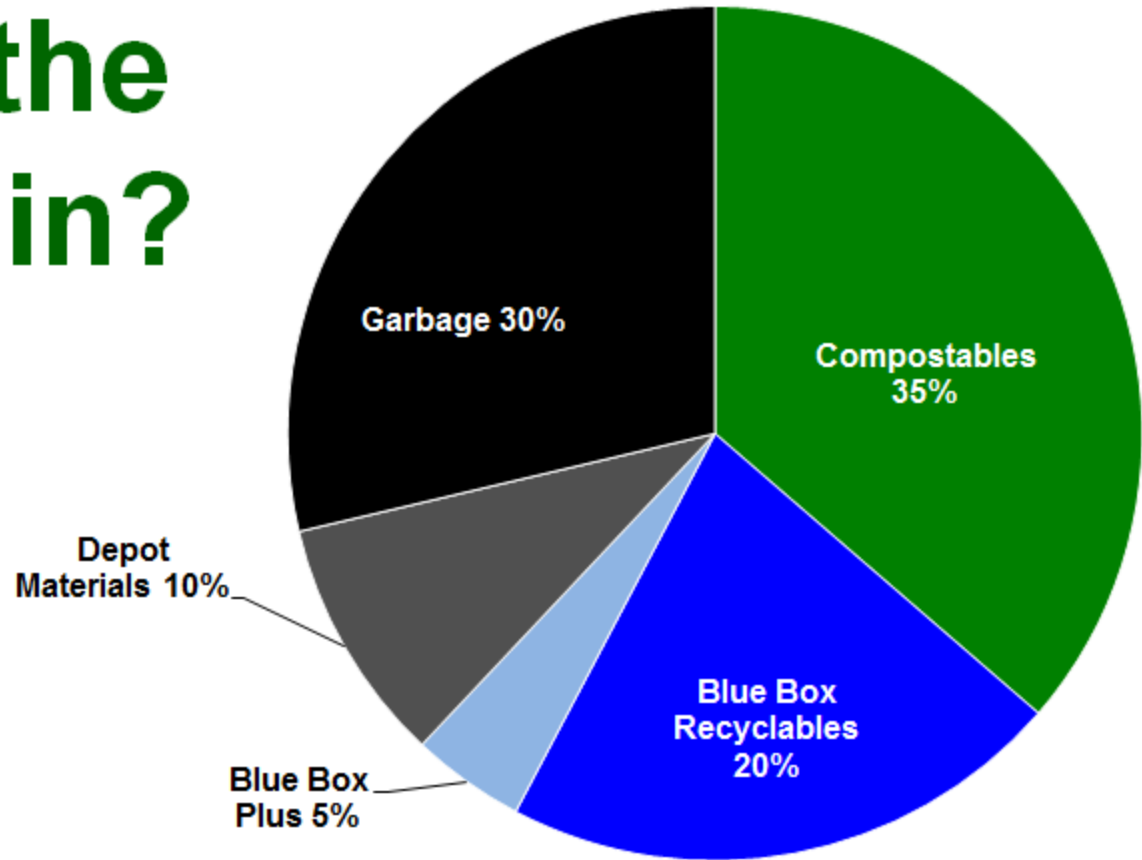
What's in the Garbage Bag?



- 15% less garbage per household compared to 2007
- fewer recyclables in garbage



What's in the Garbage Bin?



- 10% less garbage per household compared to 2007
- fewer recyclables in garbage



Road Map 2.0 - Timeframe for Proposed Programs & Initiatives

1. 2013
2. Early Adoption – 2014
3. Further Investigation – 2014 to 2015
4. Further Investigation – 2016 to 2019
5. Delayed – Future Consideration



Road Map 1.0 – 2013 – in Progress

1. North end EnviroDepot
2. Delay Green Bin decision until review of new, emerging & next generation technologies is complete (2014)





Road Map - 2014 Early Adoption

1. 2 Blue Boxes for new homes
2. Cart program for Multi-residential recycling
3. EnviroDepots - add vegetable oil & motor oil





Road Map 2.0 - 2014 to 2015

Ten initiatives focused on...

- Increase Blue Box recycling

Recycle
your
cardboard
boxes



- Manage organics



FOOD
WASTE
REDUCTION



2014 to 2015

... and a few more...

- Incentive programs
- Future Council Policies and Directions
- System Financing – funding options



GET REWARDED FOR RECYCLING



Activate your account today and start earning rewards.

RecycleBank® [Learn More >](#)



Road Map 2.0 - 2016 to 2019

Eight initiatives focused on...

- Multi-material programs
- Encourage and Engagement programs



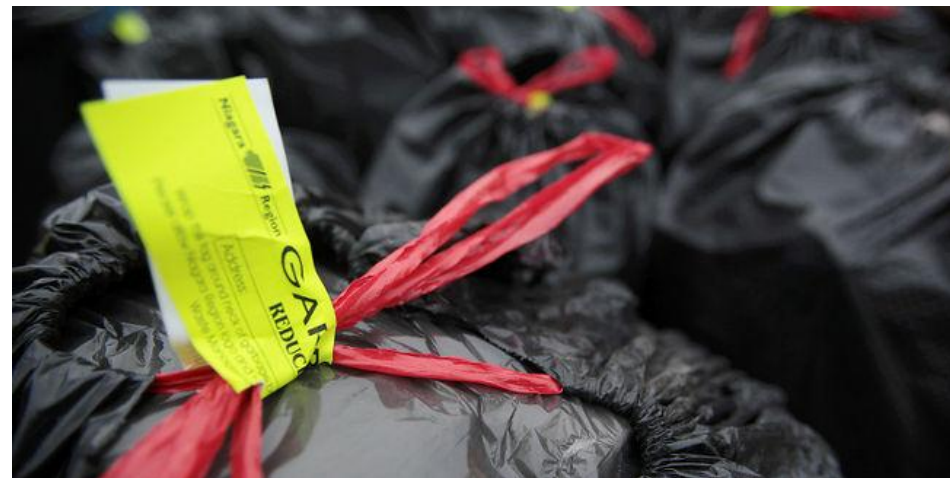
Thank you for taking the time to sort it right!





Road Map 2.0 - Delayed

- Difficult/expensive materials to recycle
- Mandatory Recycling Bylaw
- Full user pay





Road Map 2.0 - Feedback

Public input – Until end of April, 2014

- 4 months
- Social media
- Traditional media
- Website
- Outreach (e.g., LHBA Home Show)





Areas for Discussion

- Road Map 2.0 – The Road to Increased Resource Recovery and Zero Waste
- Alternative Waste Collection Systems**
- Additional Waste Management Cost Information

AUGUST 2014  **ZONE A**

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
 The cardboard box is one of the most widely recycled items, with a national recovery rate of about 80%. Cardboard boxes can contain up to 100% recycled content. Please flatten.			 Milk cartons, juice boxes and cardboard cans are containers and belong in the Container Blue Box.		1	2
3	4 Civic Holiday	5	6	7	8 	9
10	11	12	13	14	15	16
17	18 	19	20	21	22	23
24	25	26 	27	28	29	30
31						

 Garbage & Recycling Collection
 Yard Materials Collection (see October)
 Recycling Guide (see page 3)
 Water Restrictions are in Effect
 Have a question? Consult the back cover.



Why the 6 Day Cycle?

- Asked to find savings (\$200,000/yr)
- Also, added new service – separate curbside pickup of yard materials and fall leaves
- Avoided recycling and garbage collection costs = \$17 to \$20 million





Collection Options Examined

Options	# of Collections	Impact to Budget (\$ 000's)	\$/hhld served
Existing	42	\$0	\$0
Optimized	42	(\$100) to (\$200)	(\$1)
Seasonal	39 – garbage 52 - recycling	\$700 to \$1,000	\$7
5 Day	50	\$700 to \$900	\$7
Weekly	52	\$1,100 to \$1,300	\$10



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Apples and Oranges

Factors Impacting Collection Cost

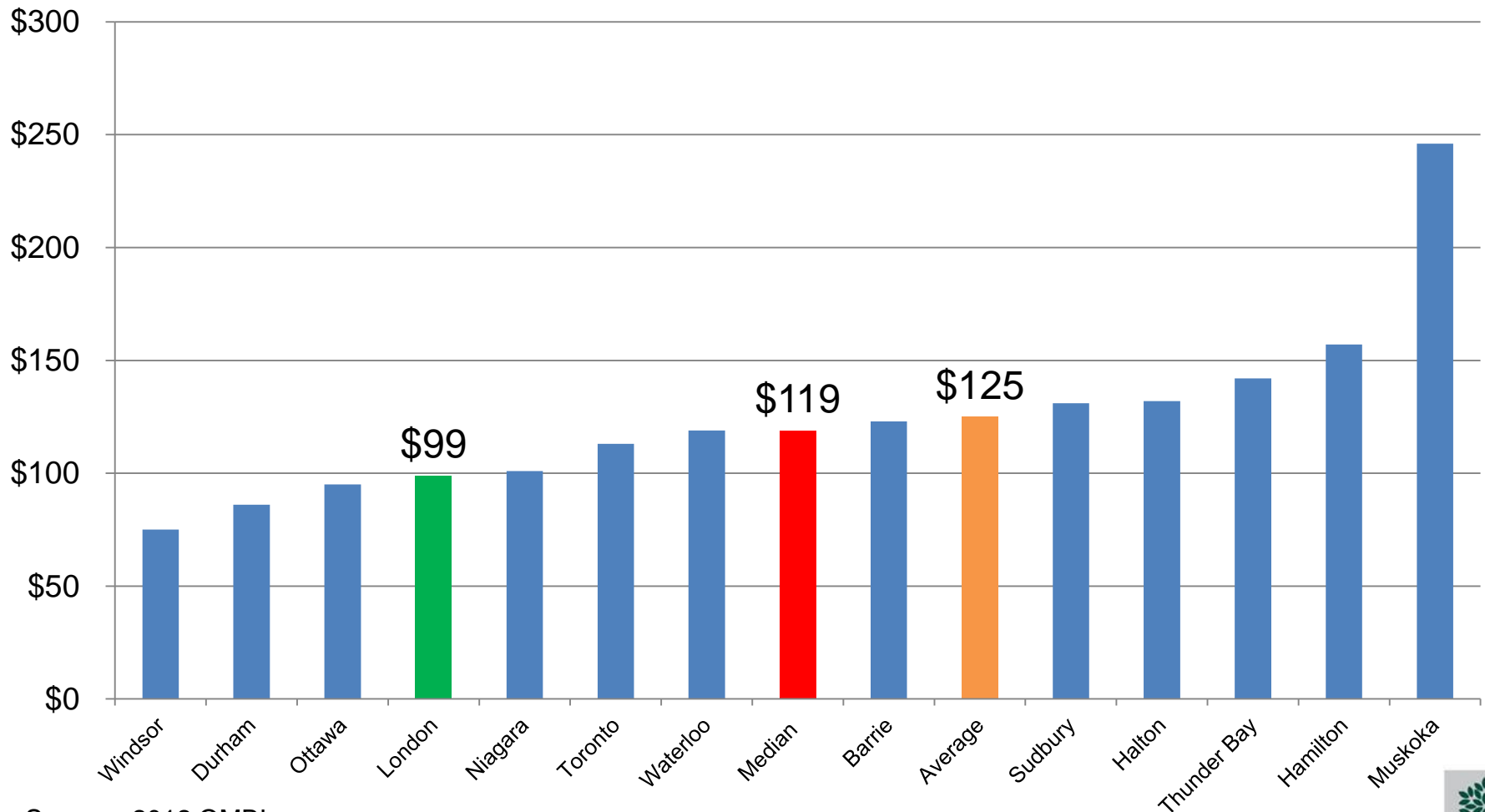
- Frequency
- Co-collection and other types of pickup
- Bulky items – how often
- Multi-residential

Other Factors Impacting overall Cost

- Ownership of a landfill
- Level of composting
- Success of waste diversion programs
- Administrative and management structure



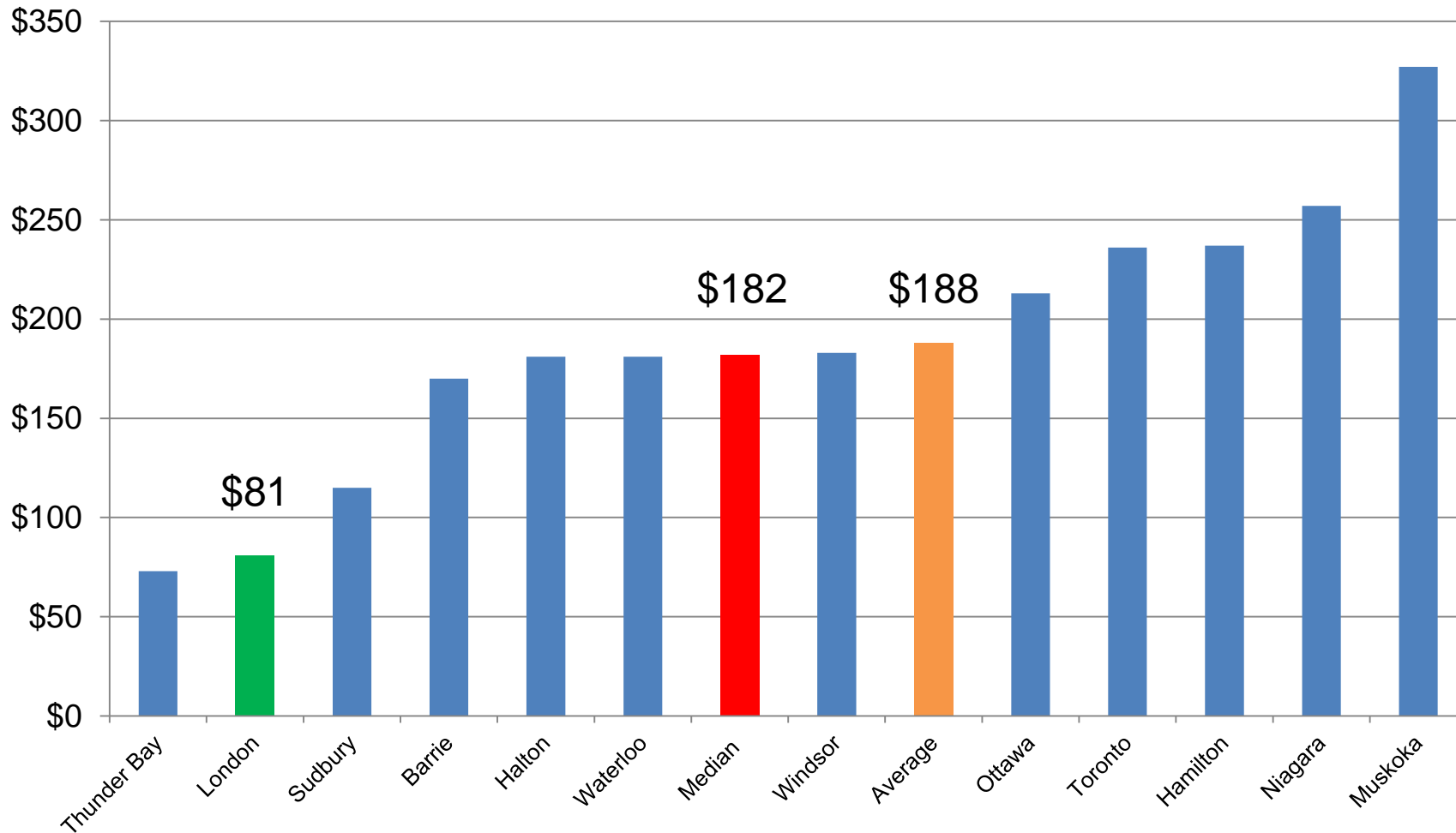
OMBI - Cost to Collect a Tonne of Garbage



Source: 2012 OMBI



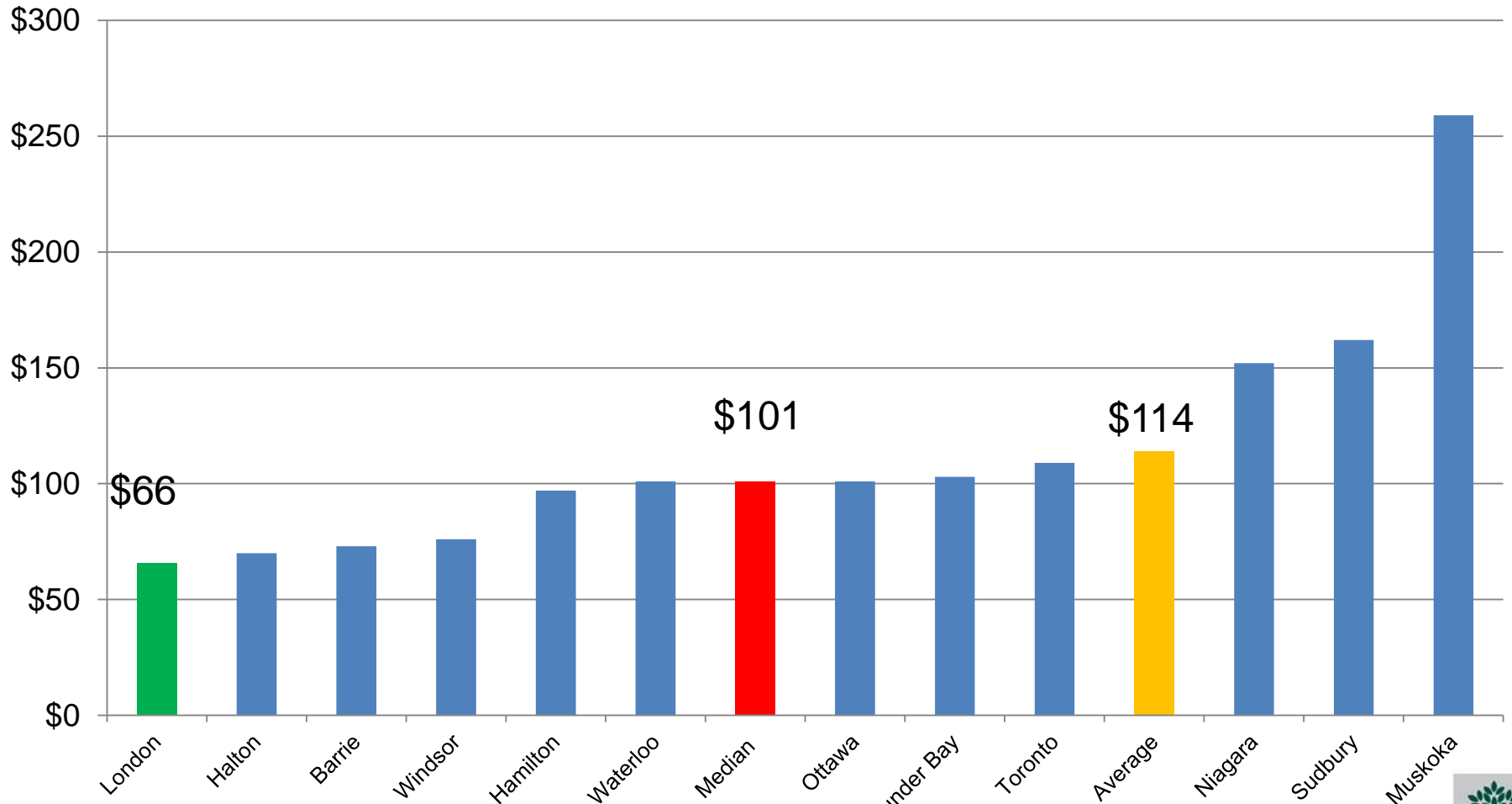
OMBI – Total Solid Waste Cost/Tonne



Source: 2012 OMBI



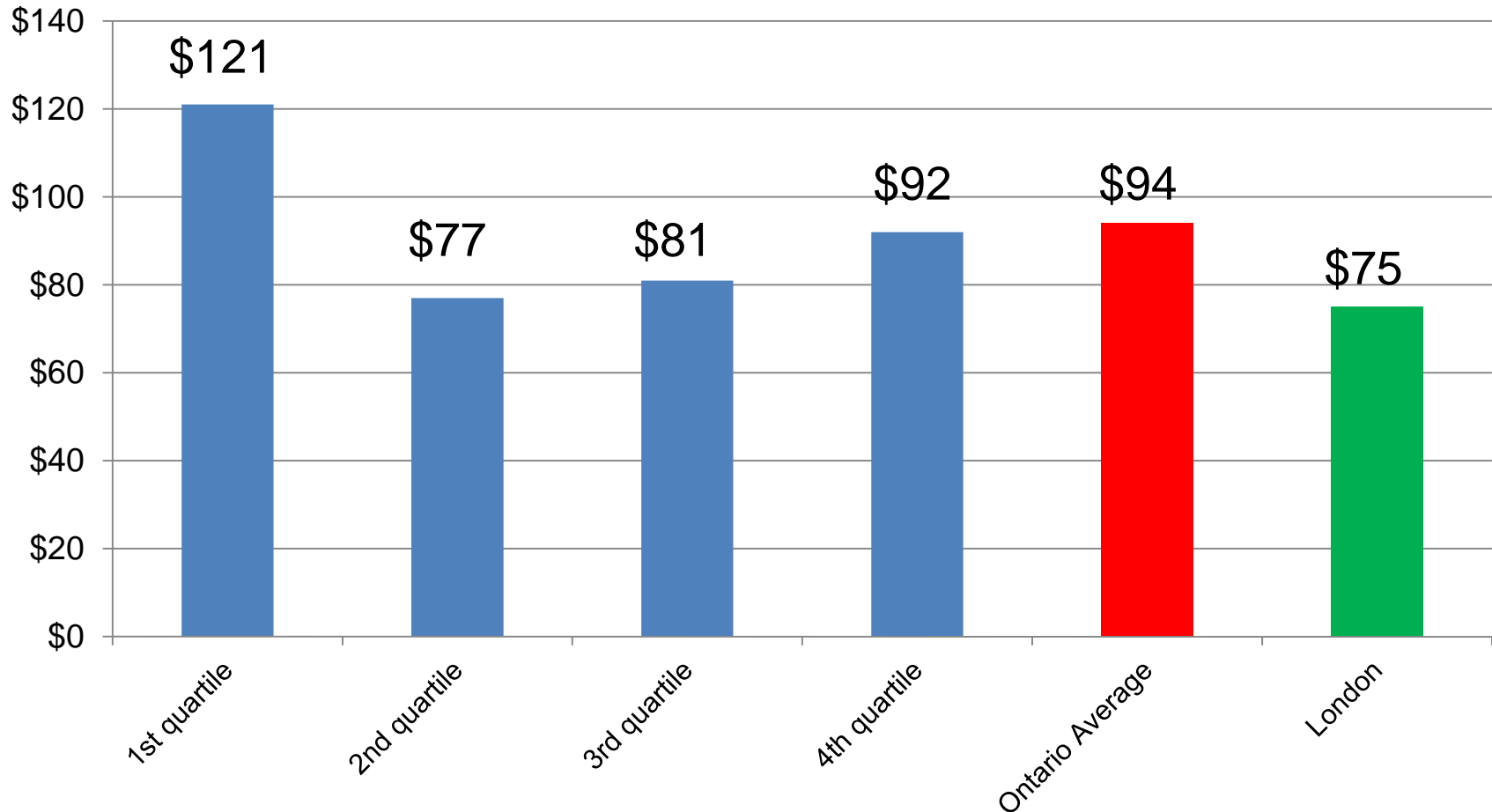
OMBI - Total Solid Waste Cost/Person



Source: Based on 2012 OMBI



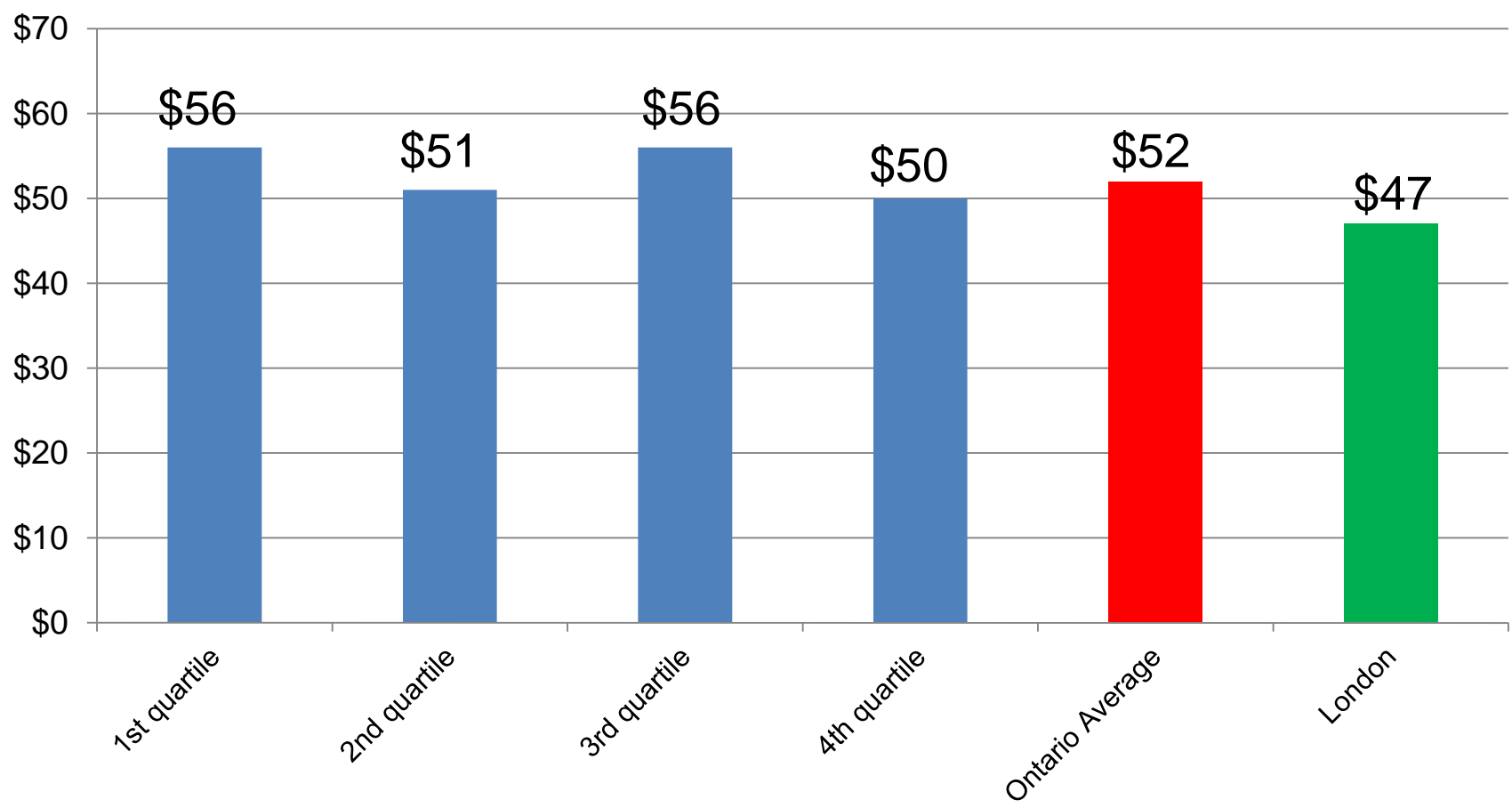
Cost to Collect a Tonne of Garbage



Source: C.D. Howe Institute report *Picking up Savings*. Data from 2001 to 2008. London costs based on MPMP data.



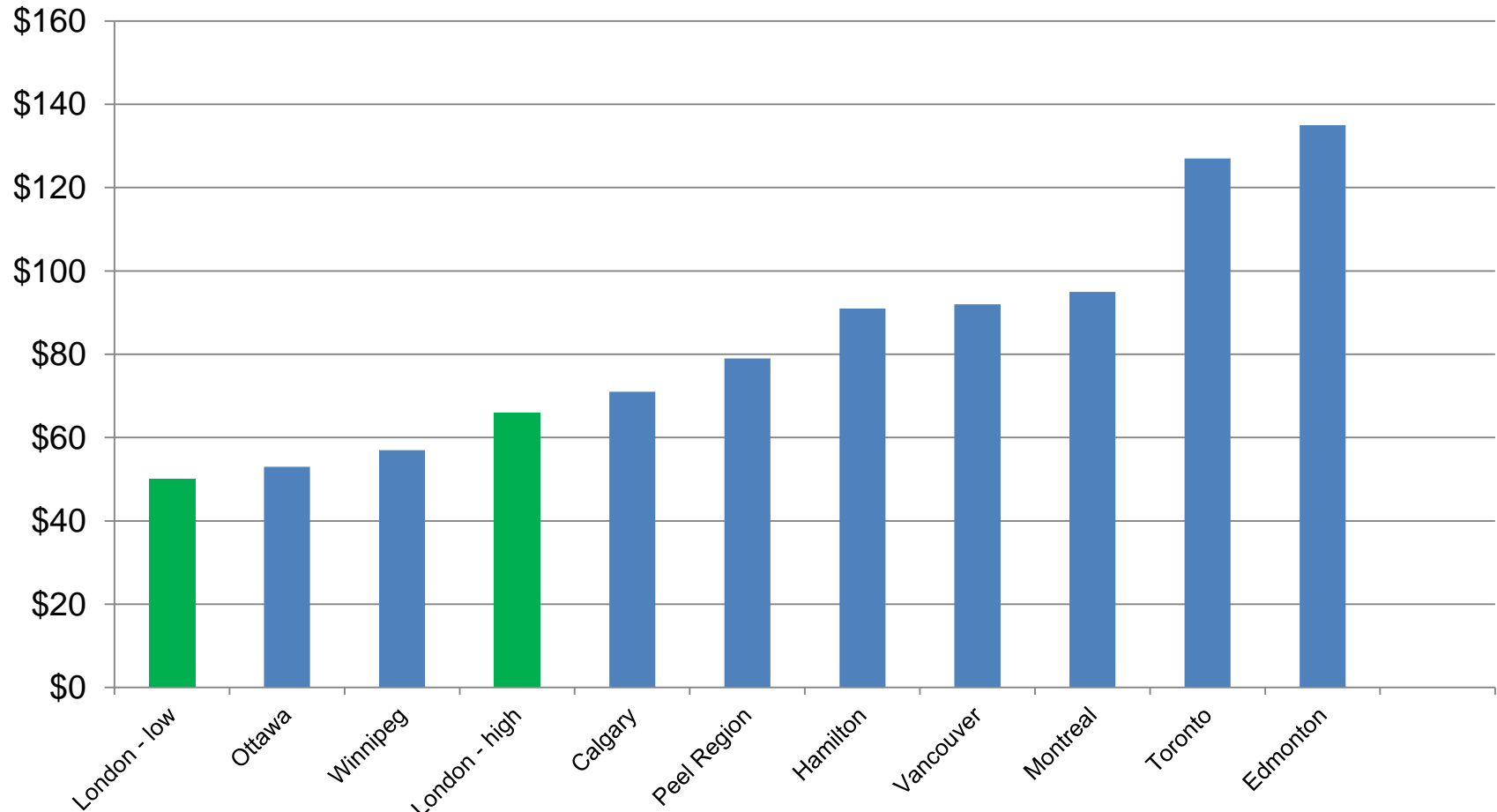
Cost to Collect per Household



Source: C.D. Howe Institute report *Picking up Savings*. Data from 2001 to 2008. London costs based on MPMP data.



Total Solid Waste Cost/Person



Source: C.D. Howe Institute report *Picking up Savings*. Data from 2008. London costs based on MPMP data.



London
CANADA

THE CITY OF OPPORTUNITY

Questions