



London
CANADA

An aerial photograph of London, Ontario, Canada, showing a mix of urban buildings and green spaces with trees in autumn colors. 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

Garbage & Recycling Collection: Status and Potential Next Steps

Prepared for Civic Works Committee

December 16, 2014



Outline of Presentation

1. Previous Report
2. Rec. a) No change
3. Rec. b) Continued updates
4. Rec. c) Examine/
implement actions to save
(\$150,000 - \$200,000)
5. Rec. d) Several specific
items





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TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON NOVEMBER 25, 2013
FROM:	JAY STANFORD, M.A., M.P.A. DIRECTOR, ENVIRONMENT, FLEET & SOLID WASTE
SUBJECT:	WASTE DIVERSION AND GARBAGE COLLECTION UPDATES

RECOMMENDATION

That on the recommendation of the Director, Environment, Fleet & Solid Waste the following actions **BE TAKEN**:

- a) That staff **BE DIRECTED** to prepare business plans for the following initiatives from the report *Road Map 2.0 – The Road to Increased Resource Recovery and Zero Waste* as these initiatives have public support and minimal cost:
 - i. As part of recycling education and awareness, provide residents of newly constructed homes with two Blue Boxes at no cost.
 - ii. Establish a multi-residential recycling cart purchase program that sells roll-out carts at cost, and
 - iii. Add vegetable oil and used oil collection to the EnviroDepots;
- b) The report *Road Map 2.0 – The Road to Increased Resource Recovery and Zero Waste* **BE RECEIVED**;
- c) The report *Road Map 2.0 – The Road to Increased Resource Recovery and Zero Waste* **APPROVED** for release for public engagement which will include outreach through traditional media, social media, the City's website and at community events between January 2, 2014 and April 30, 2014, and
- d) The remainder of this report **BE RECEIVED** for information.

PREVIOUS REPORTS PERTINENT TO THIS MATTER

Relevant reports that can be found at www.london.ca under City Hall (Meetings) include:

- Status Report: Update of Road Map to Maximize Waste Diversion 2.0 (July 22, 2013 meeting of the Civic Works Committee (CWC), Item #14)
- Status – Green Bin and Modified Garbage Collection Pilot Project (October 1, 2012 meeting of the CWC, Item #4)
- Solid Waste Management Updates (April 23, 2012 meeting of the CWC, Item #17)
- Interim Business Plan for the Green Bin Program and Zero Waste Strategies (January 11, 2010 meeting of the Environment & Transportation Committee (ETC), Item #11)
- Waste Diversion Strategy Public Consultation Document and Recent Waste Diversion Initiatives – *Road Map to Maximize Waste Diversion* in London (December 10, 2007 meeting of ETC, Agenda Item # 9)
- Preliminary Information on the Draft Waste Diversion Strategy and Impact on Weekly Garbage and Recycling Collection (January 25, 2007 meeting of the Board of Control)
- Additional Garbage Pickups (September 25, 2006 meeting of ETC, Item #3)

BACKGROUND

PURPOSE:

The purpose of this report is to:

- seek approval to release the report *Road Map 2.0 - The Road to Increased Resource Recovery and Zero Waste* for public engagement;



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 = \$18 to \$21 million



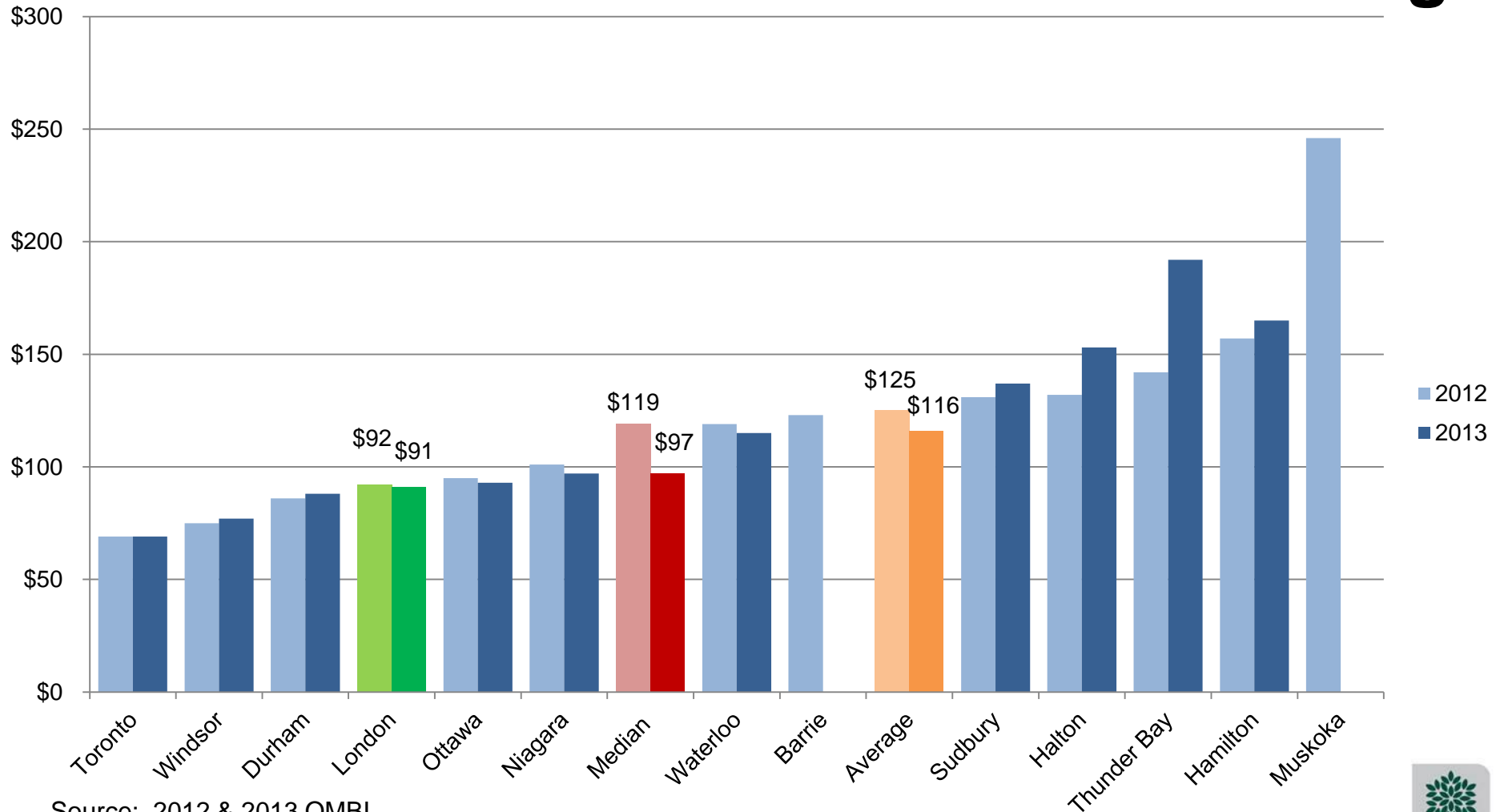


Collection Options Examined

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



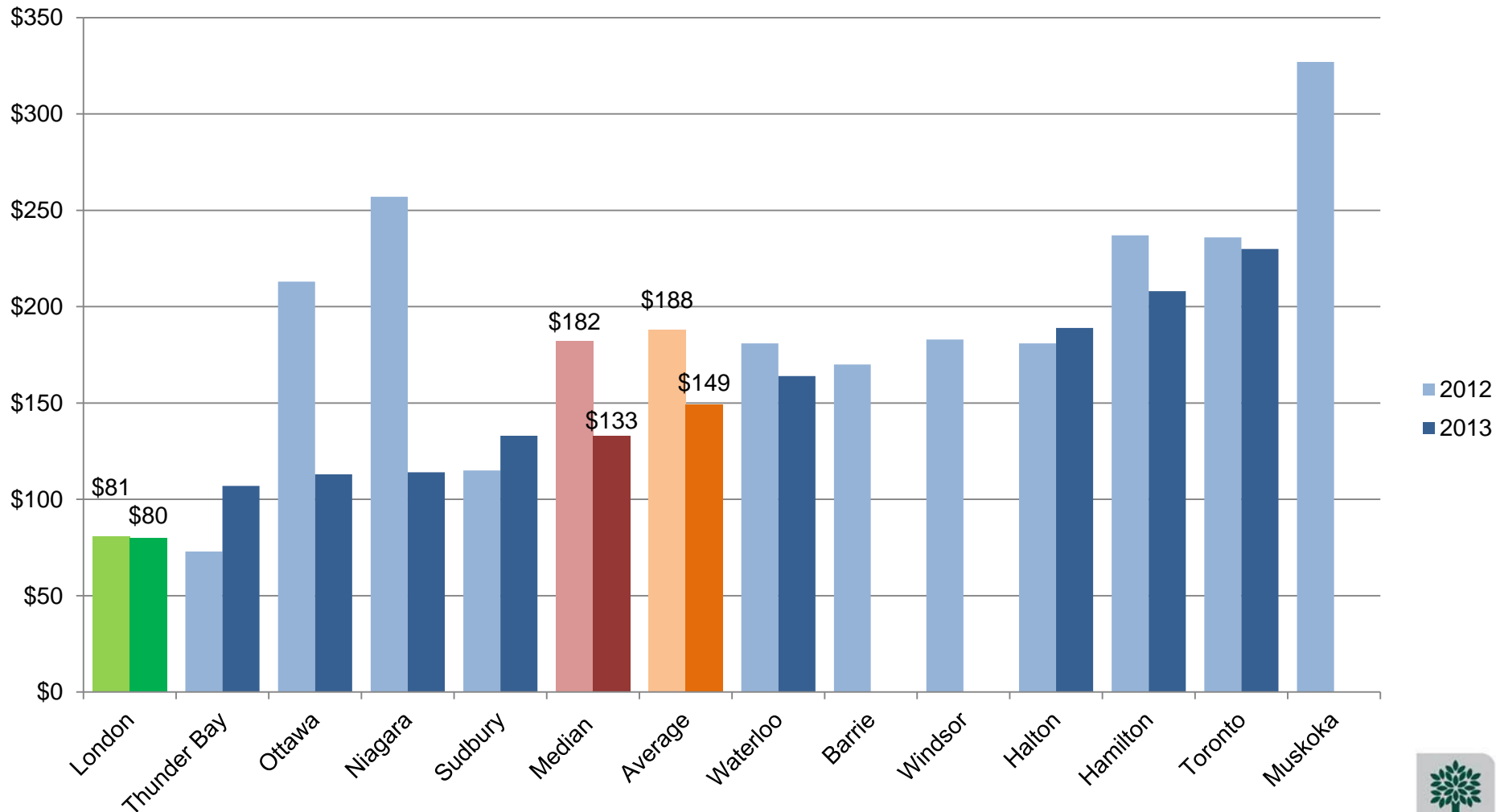
OMBI - Cost to Collect a Tonne of Garbage



Source: 2012 & 2013 OMBI



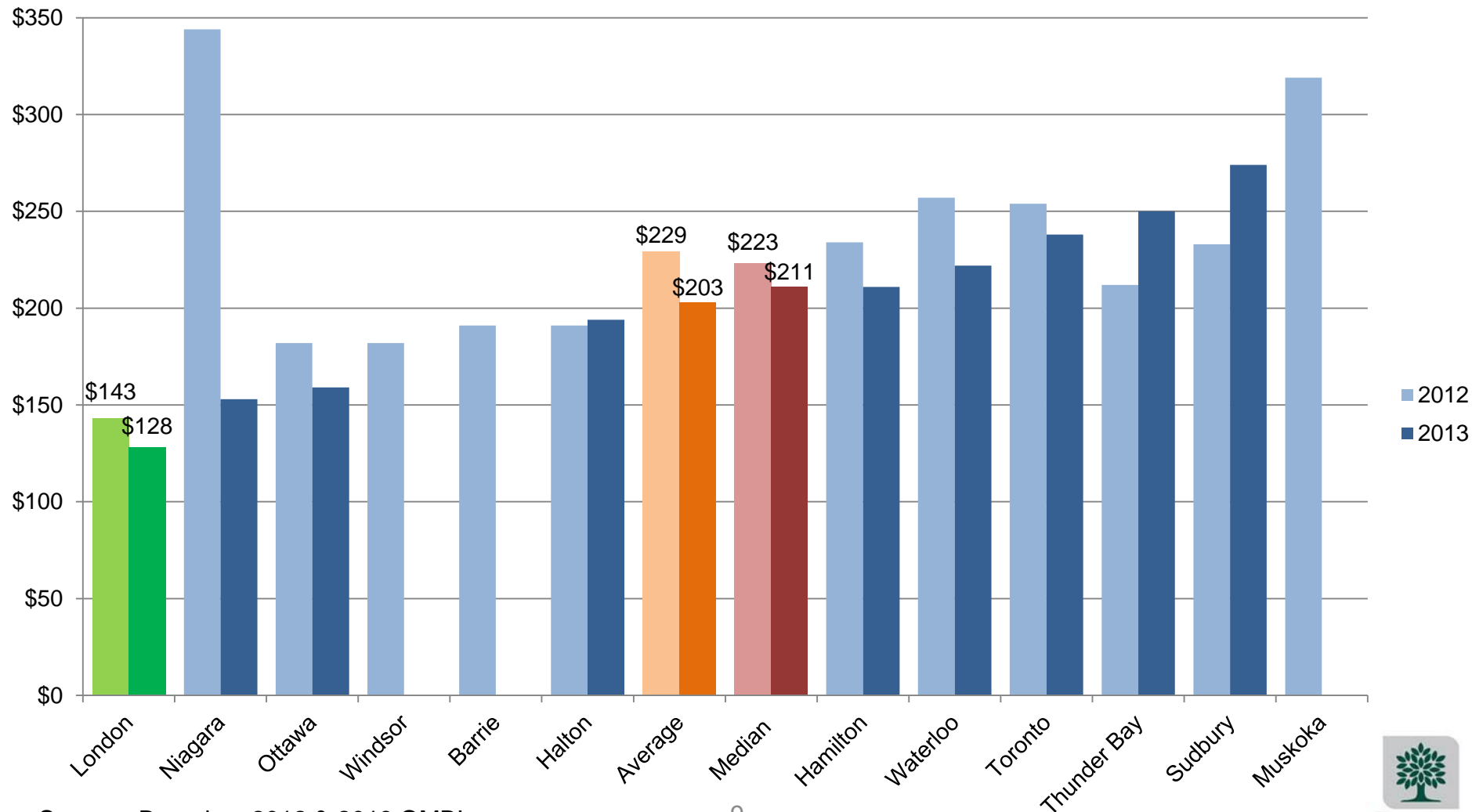
OMBI – Total Solid Waste Cost/Tonne



Source: 2012 & 2013 OMBI



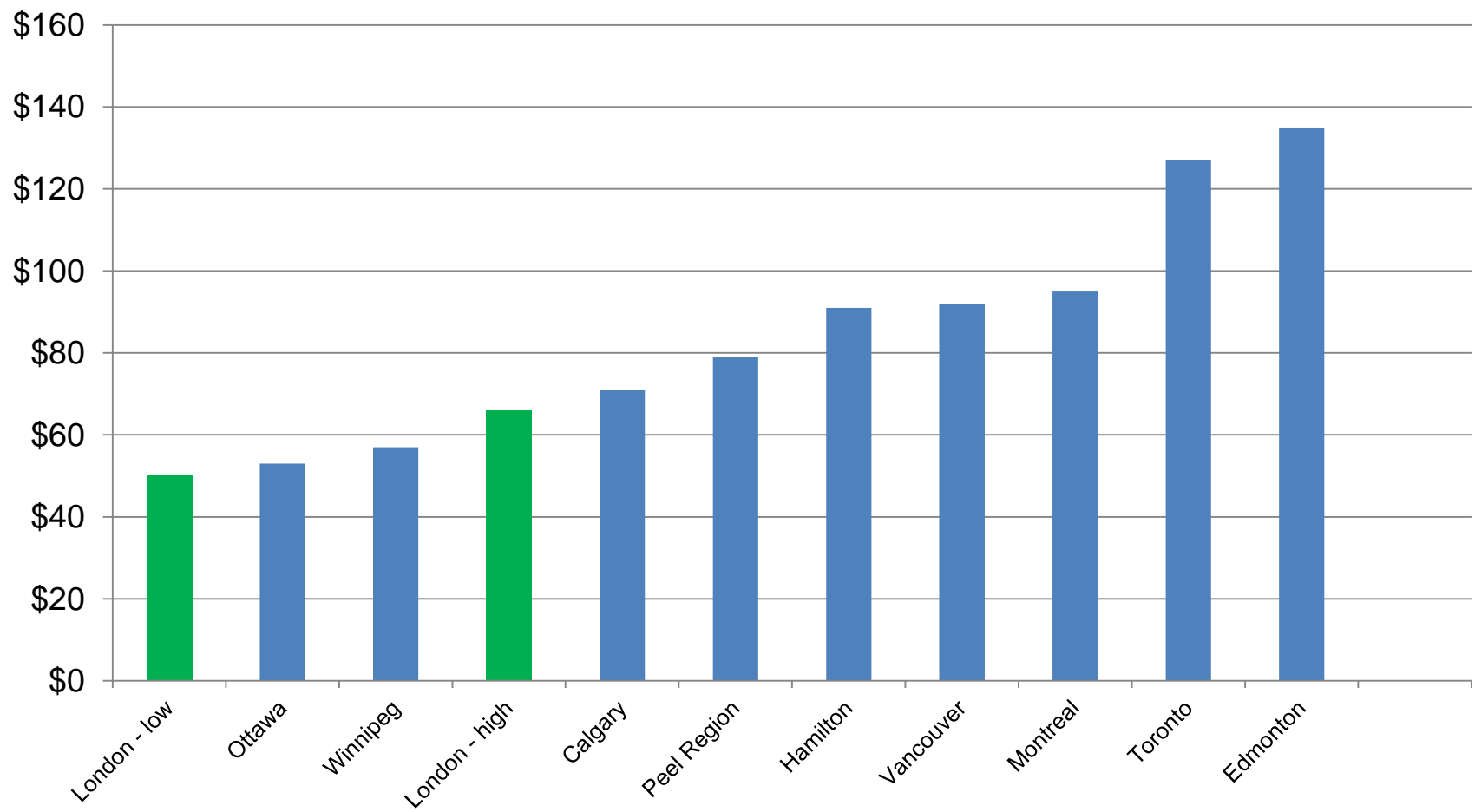
OMBI - Total Solid Waste Cost/Household



Source: Based on 2012 & 2013 OMBI



Total Solid Waste Cost/Person



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





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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 Chic 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 No Change to Service?

Rationale includes - 1. Survey:

Responses to “ <i>How satisfied are you with the current schedule. . .</i> ”?	86% (51% - very) (35% - somewhat)
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	Weekly same day	Current System
Responses to “ <i>How important is it for you to have. . .</i> ”?	67% (50% - very) (17% - somewhat)	69% (45% - very) (24% - somewhat)

	Acceptable	Unacceptable
Responses to “ <i>How acceptable to you are these possible new tax increases</i> ”?	44% (19% - very) (25% - somewhat)	55% (13% - somewhat) (42% - very much)



Why No Change to Service?

Rationale includes: **2. Community Feedback:**

Pick the Recycling & Garbage Collection Schedule You Want!

	Current Schedule	Seasonal	5 Days	Weekly	Total (votes received)
Community Centres, Recreation Facilities & Libraries	47%	10%	8%	35%	960
Lifestyle Home Show, Spring Home & Garden Show & London CityGreen	54%	10%	3%	33%	289
All locations	49%	10%	7%	34%	1,249



Why No Change to Service?

Rationale includes - **3. Current system performance (cost) compares favourably**

Source	Comment
OMBI - 2012, 2013	4 th among participating municipalities (represents 60% of Ontario's population)
C.D. Howe Institute – 2008	Overall London collection and total program costs compare well
PwC Audit - 2014	“The data indicates that the City's cost to collect a tonne of garbage and cost per household is better than the average”



Why No Change to Service?

Rationale includes - **4. Opportunities to reduce cost**

Source	Best Practices/ Optimization Actions (Priority)	Best Practices/ Optimization Actions (Other)
City	10	10
PwC Audit	8	0



Why No Change to Service?

Rationale includes - **5. Provincial legislation for recycling and composting is proposed for 2015/2016**

- more funding?
- more industry involvement?
- incentive driven recovery systems?
- more materials?

- regional programs?
- disposal bans?
- user fees?
- **All impact how we collect garbage**



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Cost Reduction Opportunities

Examine/implement actions to save (\$150,000 - \$200,000)

#	Practice/Action
1	Implementing on-route (beat) collection optimization
2	Implementing off-route collection optimization
3	Increasing productivity through various initiatives
6	Reducing container/bag limits
11	Realigning and adjusting the size of collection zones
15	Reviewing/implementing on-board vehicle technologies



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Reports for 2015 and 2016

d)	Item
i)	Actions identified in PwC Audit – 8 short and medium term actions
ii)	Advantages and disadvantages of cart based garbage collection systems
iii)	Advantages and disadvantages of compressed natural gas (CNG) for garbage packers and other fleet
iv)	Status report on the role of Green Bins



Acknowledgements

- CUPE Local 107 Executive and 2 members participated in a “working group”
- A number of Ontario municipalities contributed data
- Several staff from PwC involved with the Audit report





**Thanks for listening –
questions?**