



Rethinking Waste Diversion

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Regional Municipality of Durham

Silent Diversion...



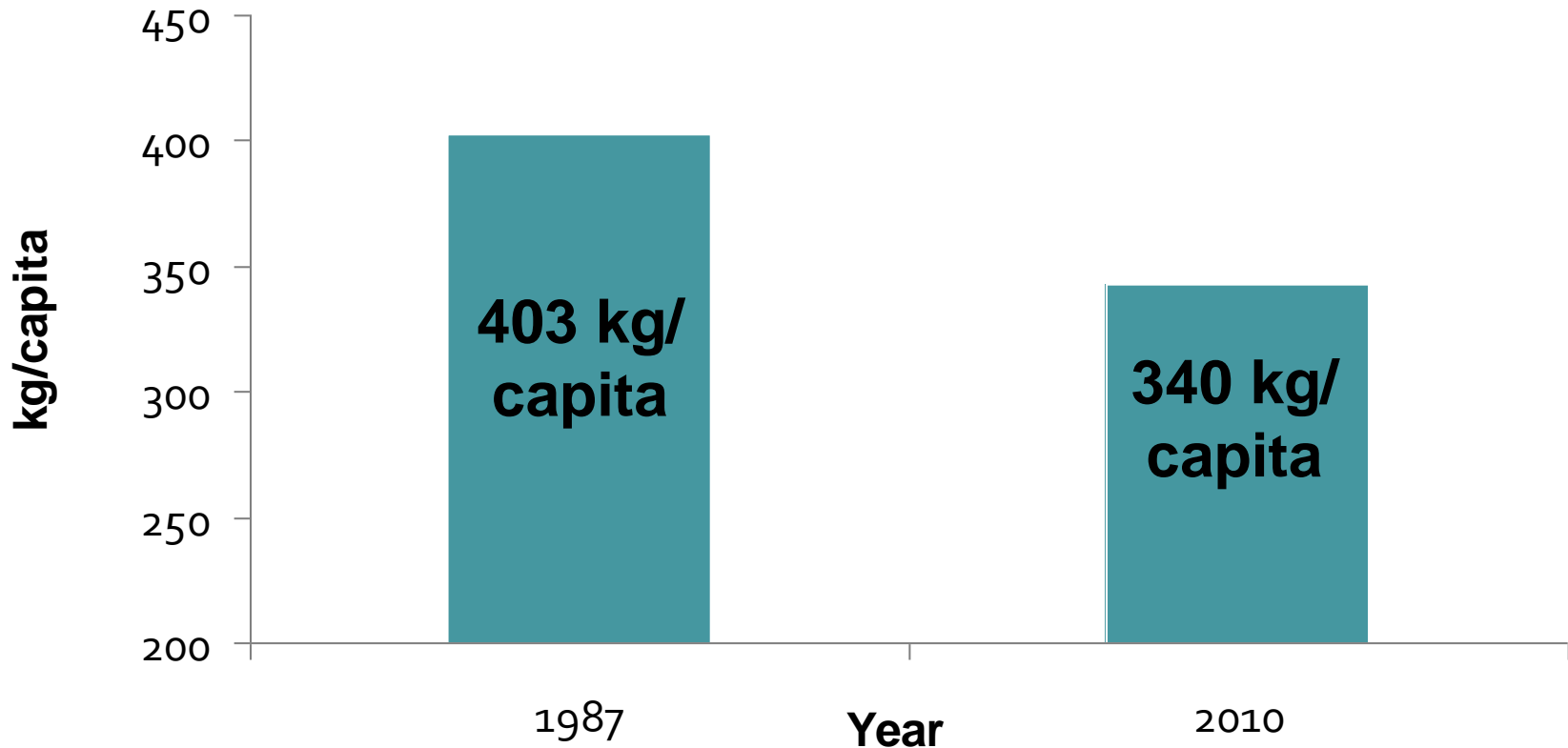
It just happens.

Region of Durham



- Approximately 2,537 sq. km in area
- Current population of 650,000 across eight local area municipalities forecasted to reach 1 million by 2031
- The upper level of a two-tier government; Regional and Municipal
- Responsible for residential waste collection for six municipalities.
- Responsible for Blue Box collection and processing, waste disposal and composting for all eight area municipalities.

Region of Durham: Per Capita Generation Rates 1987 & 2010



Region of Durham: Current Waste Diversion Programs



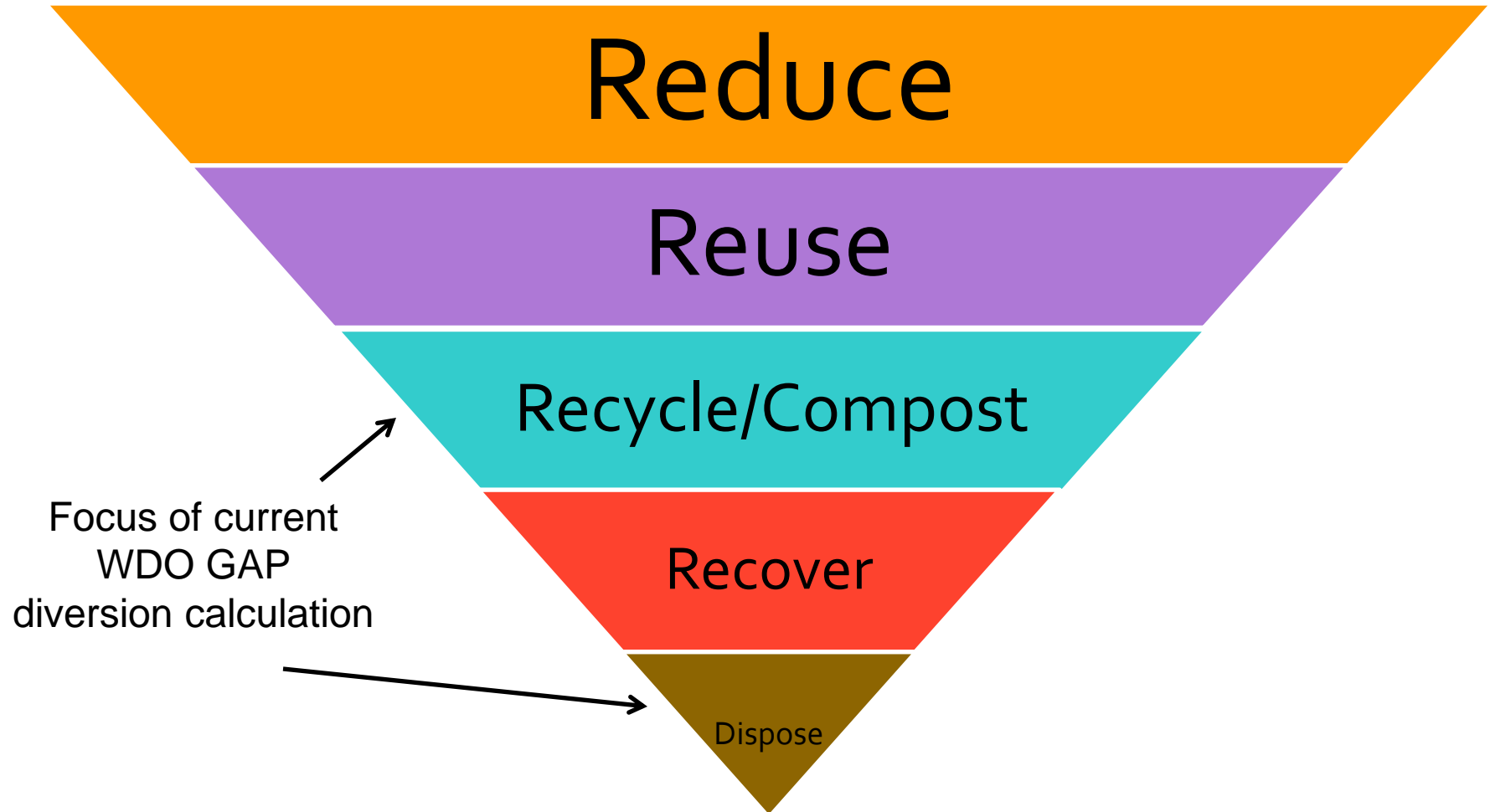
Bi-Weekly Garbage Collection



Additional User-Pay Tags



Solid Waste Management Hierarchy



Current WDO GAP Diversion Calculation

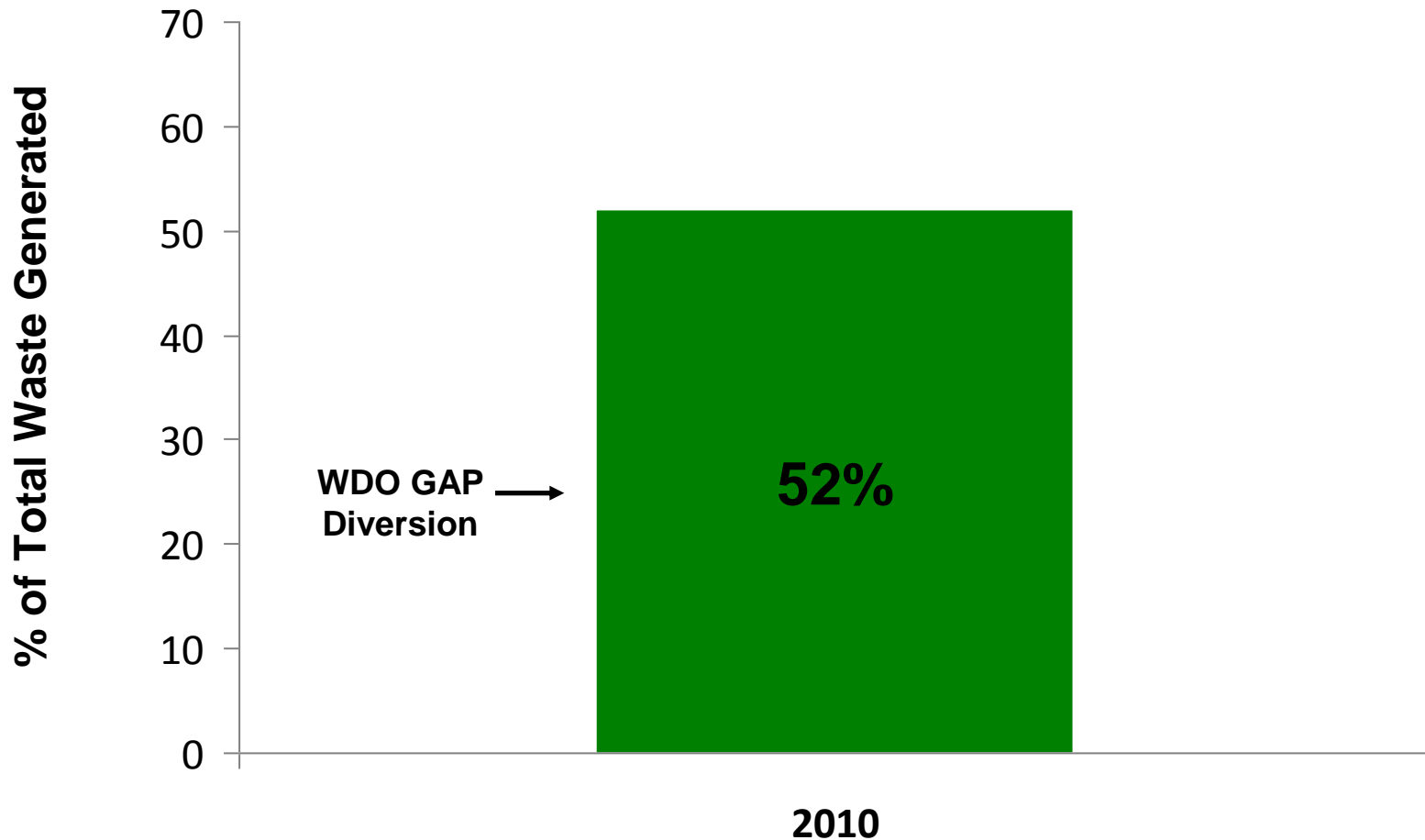


✖ 100%

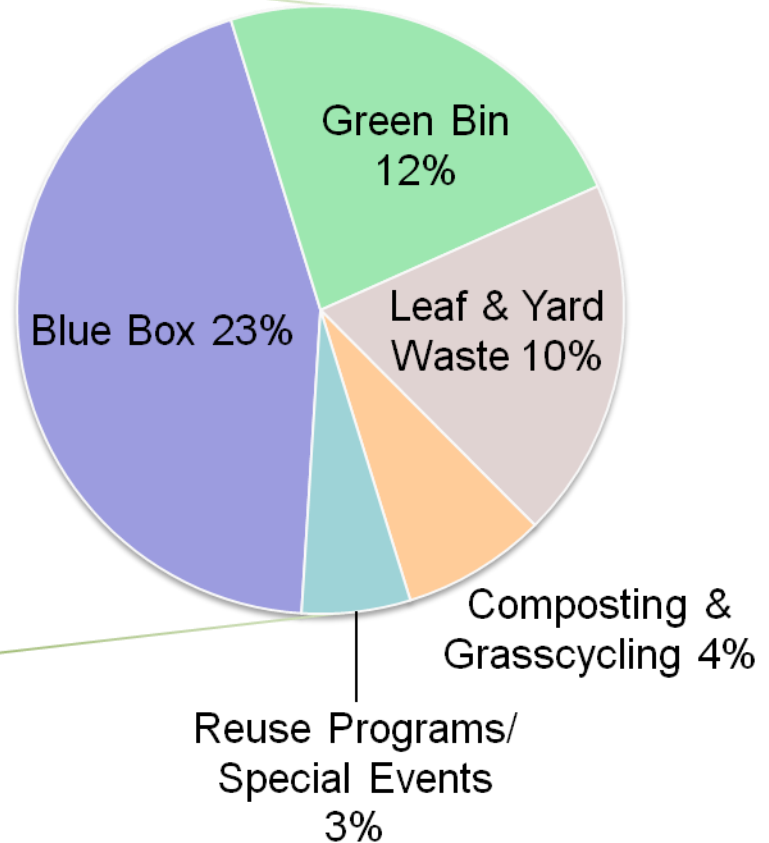
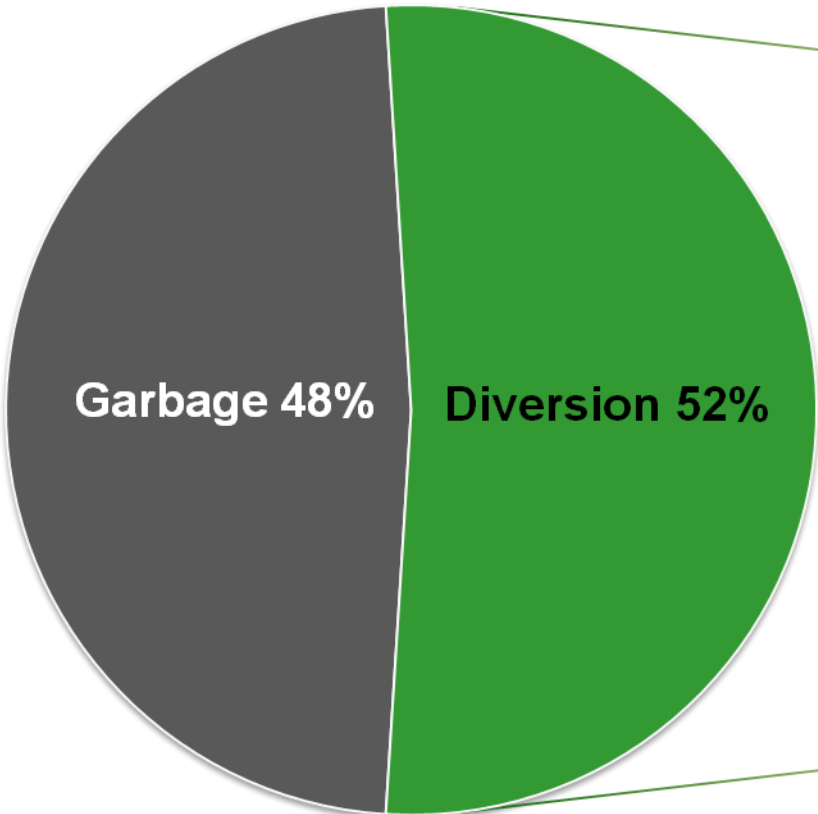
All of The Above +



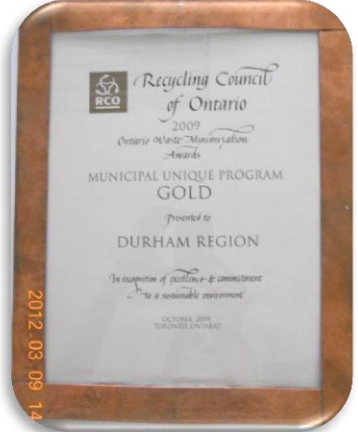
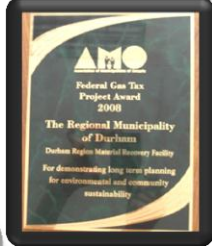
Region of Durham: 2010 WDO GAP Diversion Rate



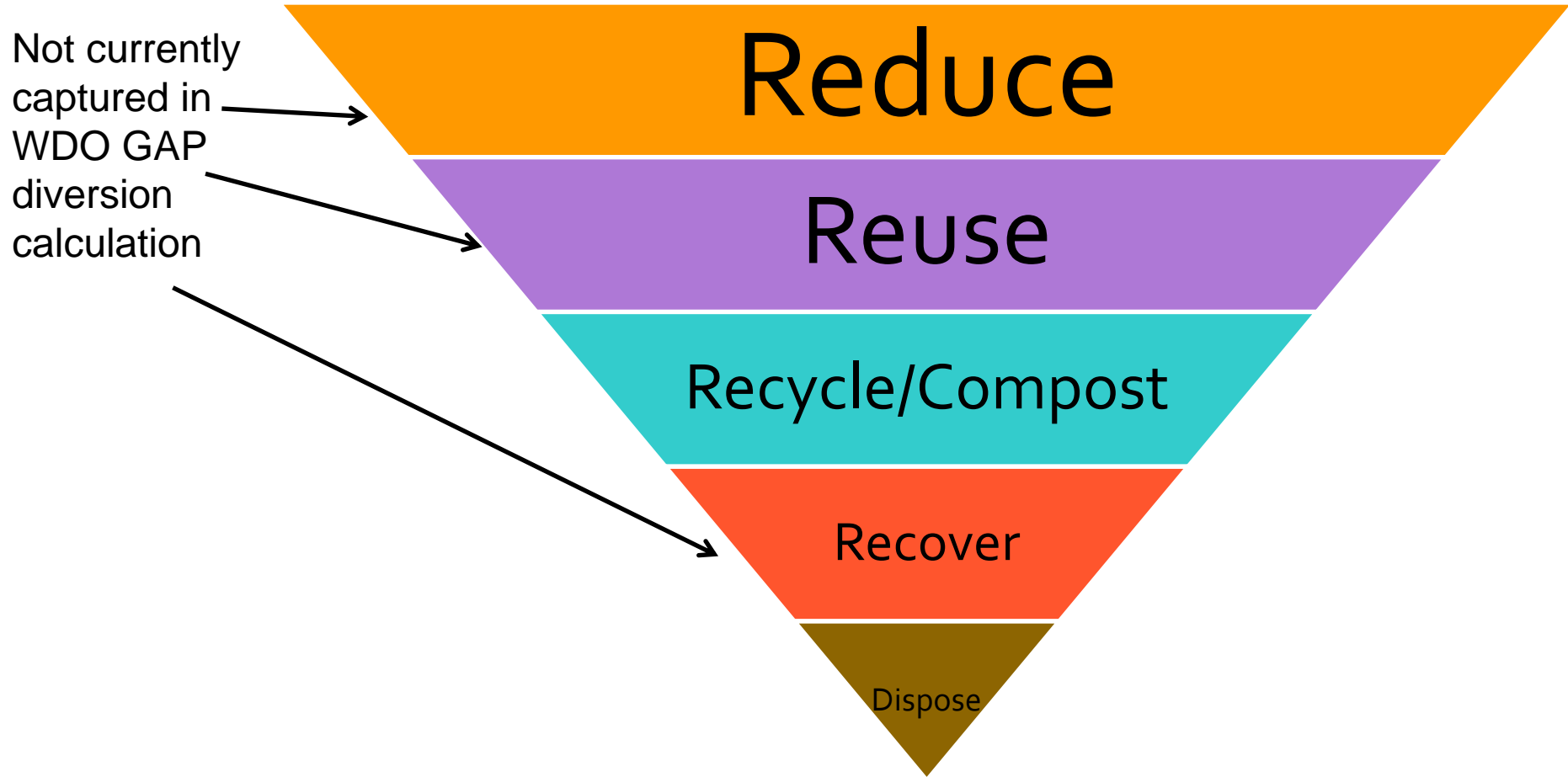
Region of Durham: 2010 WDO GAP Diversion Rate



Region of Durham: Diversion Program Awards



Solid Waste Management Hierarchy



Solid Waste Management Hierarchy



Reduce

Reuse

Recycle/Compost

Recovery

Dispose

Glass Reduction in Region of Durham



750 mL glass bottle
0.7kg

2L PET plastic bottle
0.05kg

296 mL glass bottle
0.42kg

591 mL PET plastic bottle
0.03kg

Diversion impact = 3.5%

Plastic Water Bottles Reduction

“PET water bottles: recycling grows, while weight drops”



2000 – 18.9 grams



2011 – 9.9 grams

Newsprint Reduction in Region of Durham



1991 Subscriptions: 81,681
1991 Weight: 0.35 kg



2010 Subscriptions: 62,902
2010 Weight: 0.18 kg

Diversion impact = 5%

Additional Reductions

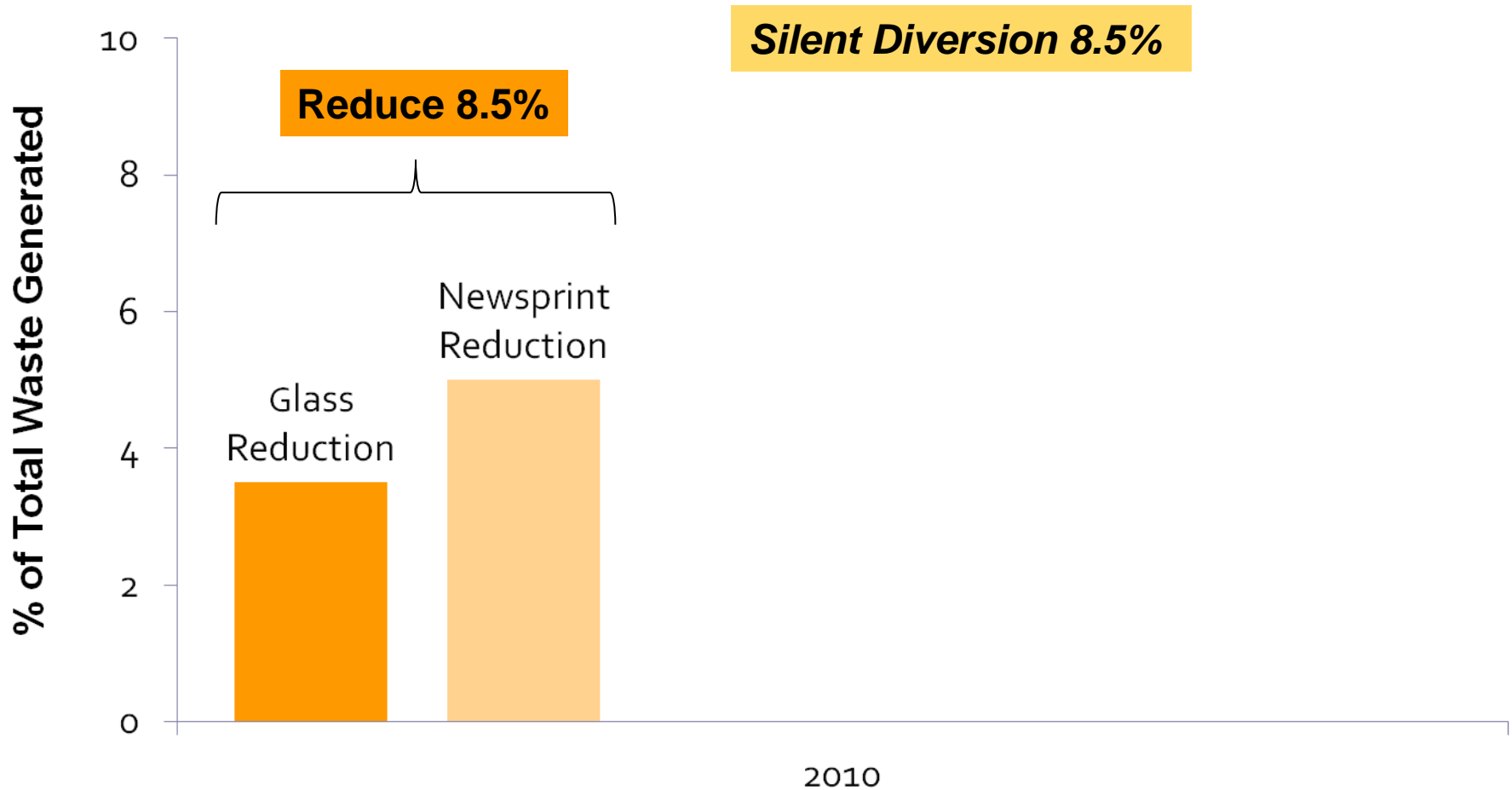


Advancing Technology

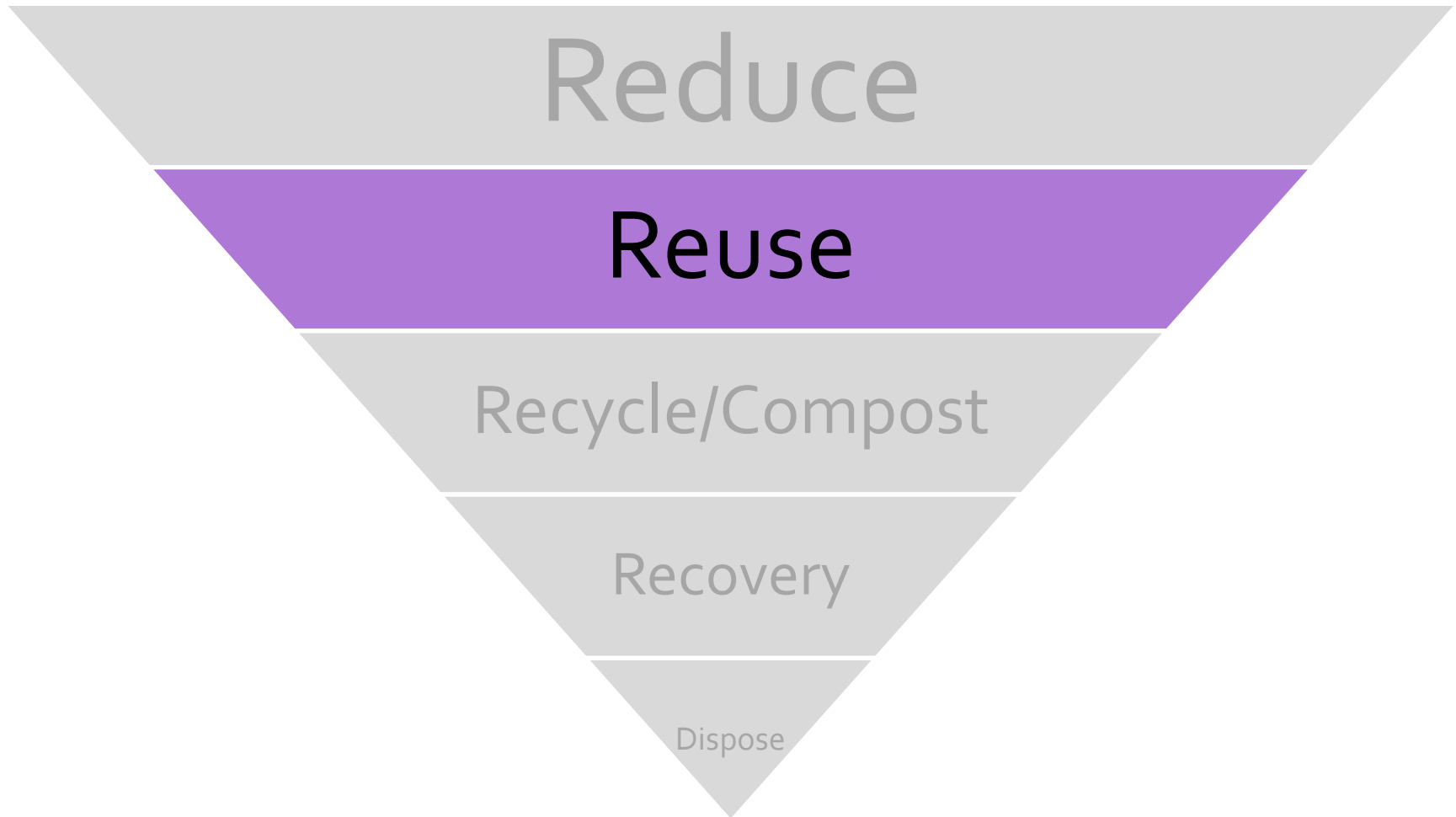
20 years later and
all of these things
fit in your pocket.



Silent Waste Diversion



Solid Waste Management Hierarchy





Boys & Girls Clubs of Canada
Clubs Garçons et Filles du Canada



Habitat for Humanity®
Habitat pour l'humanité®
Canada



Big Brothers Big Sisters
of North Durham Region



Red Door
FAMILY SHELTER



Reuse: Charity Donations



- The 4 major Not-for-Profit organizations in Durham Region diverted a total of 2686 tonnes (1%) in 2010:
 - Salvation Army - 243 tonnes
 - Habitat for Humanity - 390 tonnes
 - Goodwill - 790 tonnes
 - Canadian Diabetes Association (CDA) - 1,263 tonnes

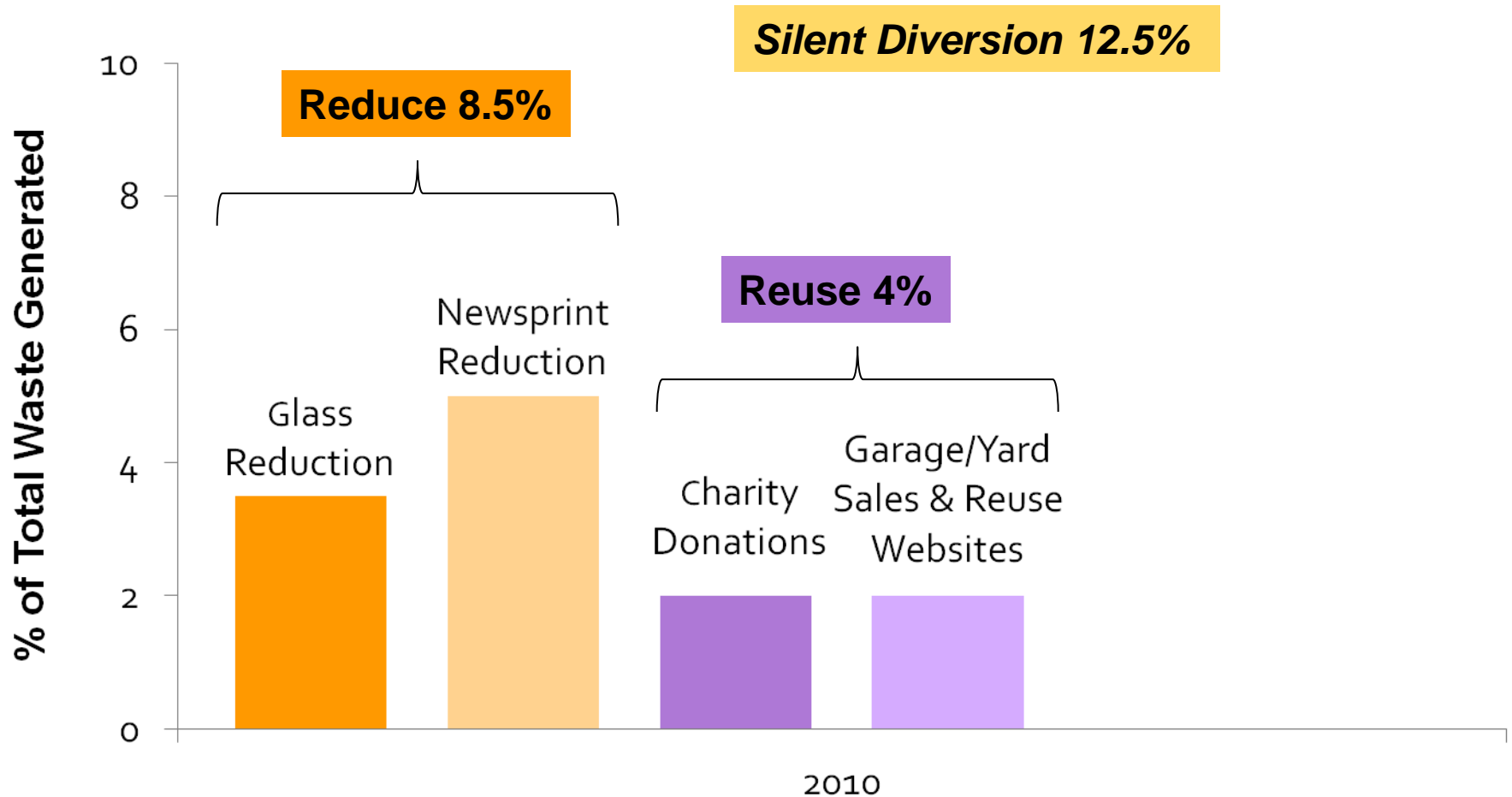
Diversion impact = 2%

Reuse: Garage and Yard Sales



Diversion impact = 2%

Silent Waste Diversion



Solid Waste Management Hierarchy



Reduce

Reuse

Recycle/Compost

Recovery

Dispose

Scavenging



Scrap Metal




Scavenging

kijiji Over 3,819,002 Free Local Classifieds

Browse Categories Search in All Ads

Kijiji Ontario > Toronto (GTA) > Oshawa / Durham Region > buy and sell > electronics > Ad ID 337172979

FREE DROP OFF E-Waste Appliances Scrap Metal ENVIRORESPONSIBLE



Date Listed 31-Jan-12
 Price Please contact
 Address 111 Industrial Dr, Whitby, ON L1N 5Z9, Canada
[View map](#)

Free Drop Off

scrap metals, hardware and more. Ask us for more info.

Visit us 10-6 M-F and 11-4 Saturdays
 Visit us 10-5 M-F and 12-4 Saturdays (winter hours)
enviroresponsible
 111 Industrial Drive, Unit 21
 Whitby, ON L1N 5Z9
 905-666-2002

Watch a video tour of our store here <http://www.youtube.com/watch?v=Q1Dh0Bn6E4I>



01/26/2012 13:34

Diversion impact = 1%




01/27/12

Browse Categories Search in All Ads

Kijiji Ontario > Toronto (GTA) > Oshawa / Durham Region > services > other > Ad ID 337296763

FREE SCRAP METAL & ELECTRONICS PICK UP DURHAM (905)434-6982



Date Listed 09-Dec-11
 Last Edited 02-Jan-12
 Address Oshawa, ON, Canada
[View map](#)

Free Pick Up

DURHAM METAL MOVERS (905) 434-6982
 RECYCLE TODAY FOR A GREENER TOMORROW

FREE scrap metal & electronics PICK UP / REMOVAL anywhere in Durham Region.
 Same day service or by appointment. Days or evenings.

Refrigerators, Water Tanks, Bbq's
 Stoves, Faucets, Eavestroughing

SMALL TO MIDSIZE EQUIPMENT
 Lawnmowers, Snowblowers, Chainsaws, Manual & Power Tools,

PLUMBING PARTS & PIPES - ELECTRICAL WIRE & CABLE

ALL ELECTRONIC WASTE (E-WASTE)
 Televisions, Desktop & Portable Computers, Monitors, VCR & DVD Players, Printers, Scanners, Photocopiers, Radios, Receivers, Speakers, Etc.

RESIDENTIAL & COMMERCIAL PICK UP



Scavenging

01/27/2012 10:01

Recycling: EPR Return-to-Retail Initiatives



- Household hazardous waste, electronics and tires

- Plastic shopping bags

- Plastic plant pots and trays



- Mattresses

- Pharmaceuticals

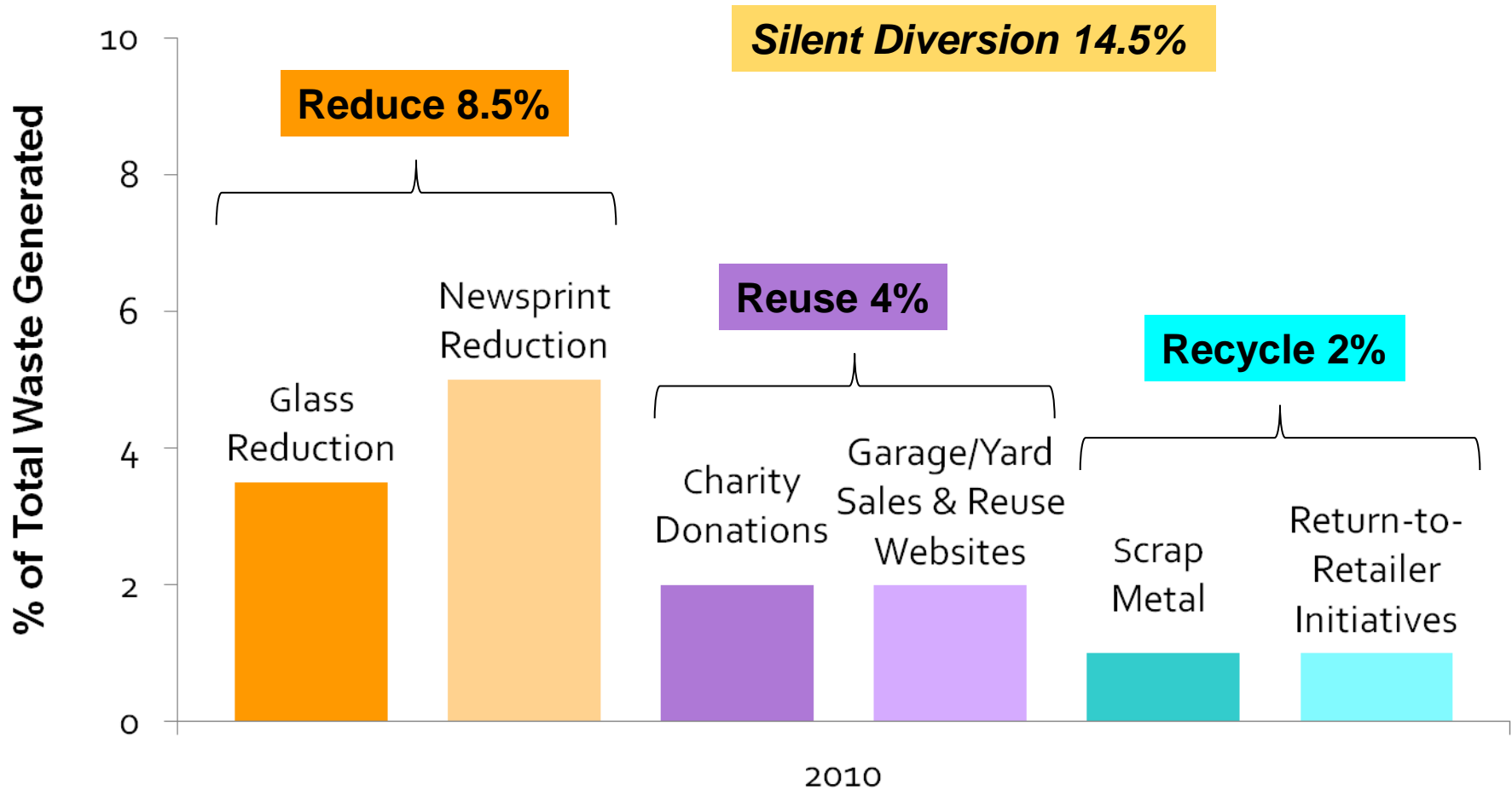


- Appliances

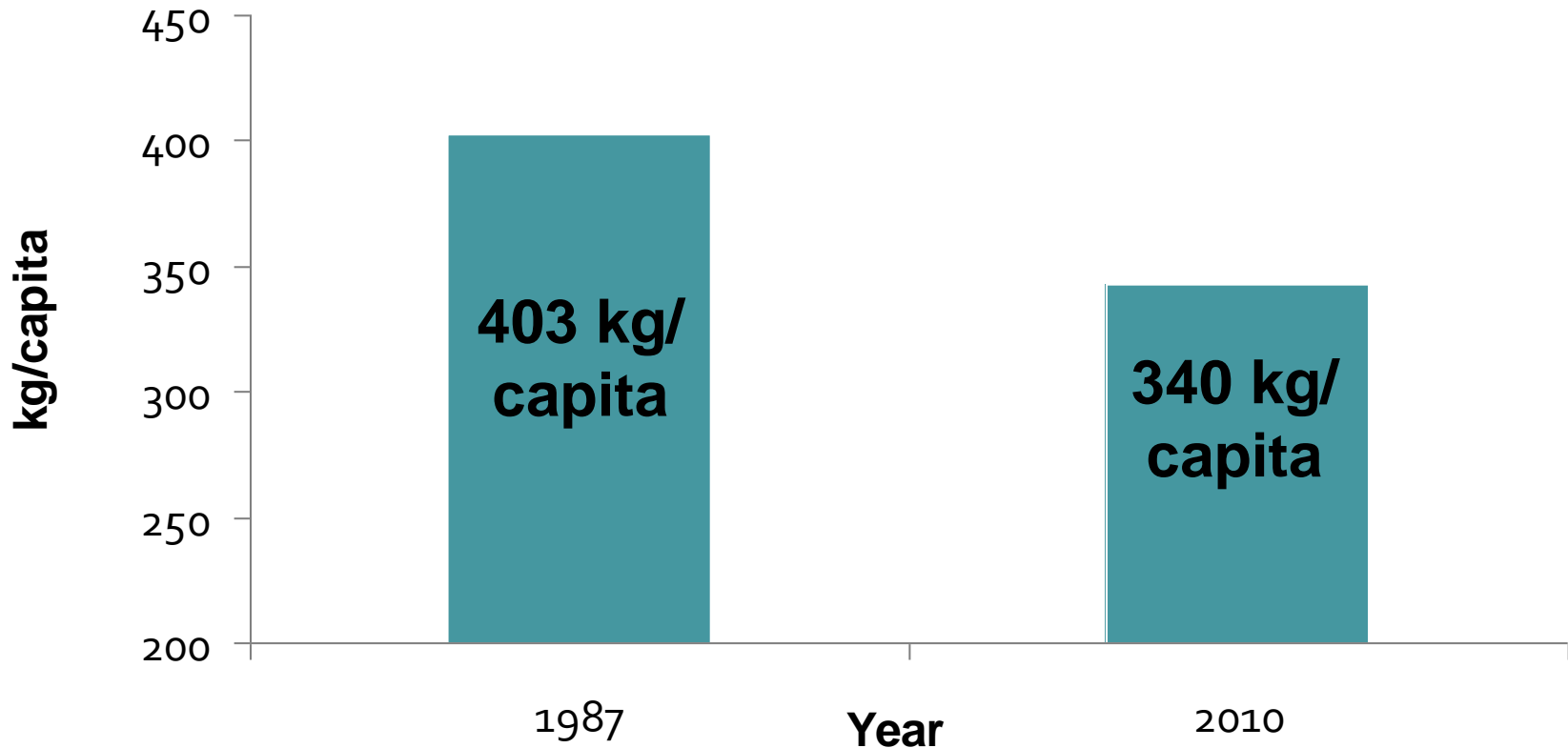


Diversion impact = 1%

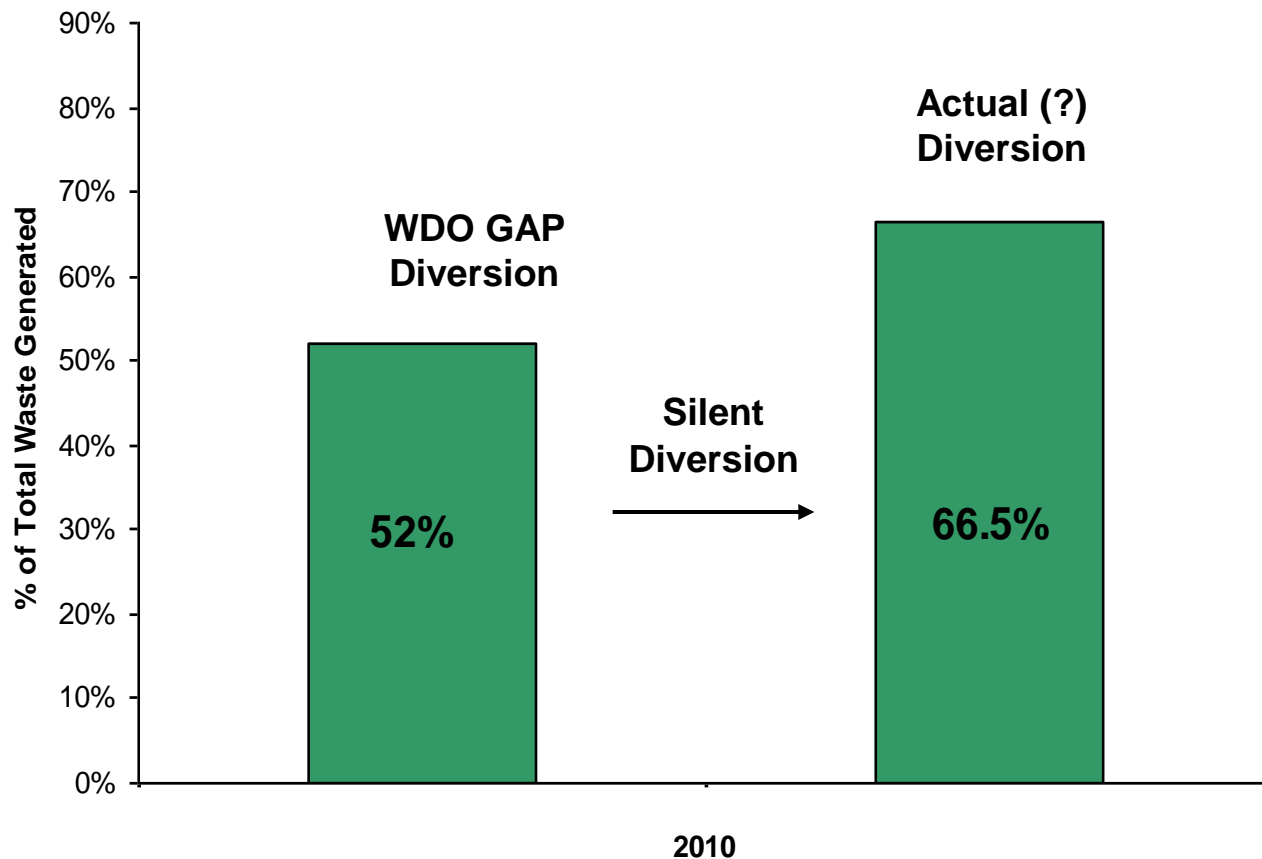
Silent Waste Diversion



Region of Durham: Per Capita Generation Rates 1987 & 2010



Region of Durham: 2010 Actual Diversion Rate



Conclusion

Reduce = 8.5%

Reuse = 4%

Recycle/Compost
= 2%

Recover

Dispose

Thank You!



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