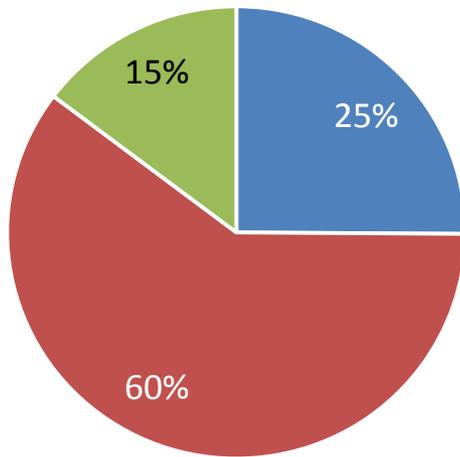


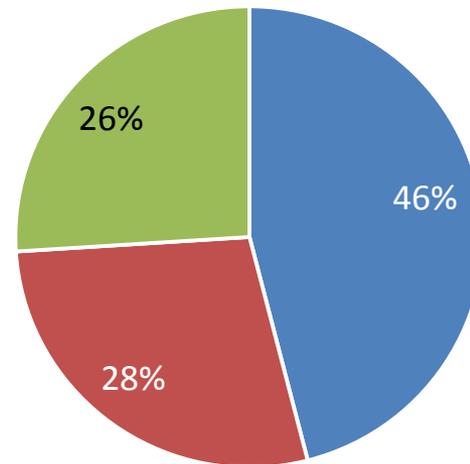
# Philadelphia Municipal Solid Waste (MSW) 2014 = ~2.5 Million Tons

## MSW Generation by Sector



■ Residential ■ Commercial ■ C&D

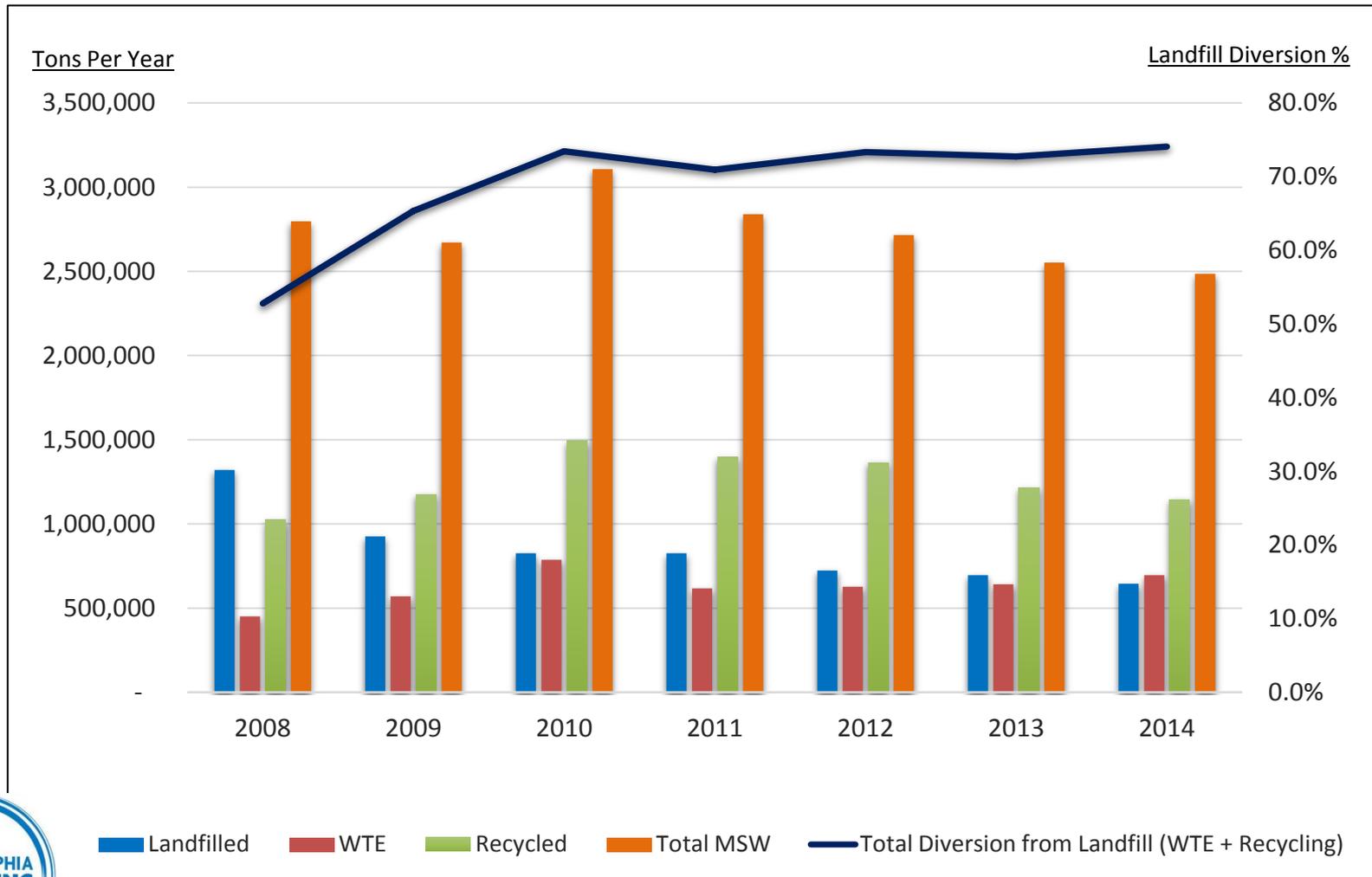
## MSW by Disposal/Recycling Method



■ Recycled ■ Waste to Energy ■ Landfilled



# Philadelphia MSW Trends & Progress Towards *Greenworks* Goal #7, 2008-2014

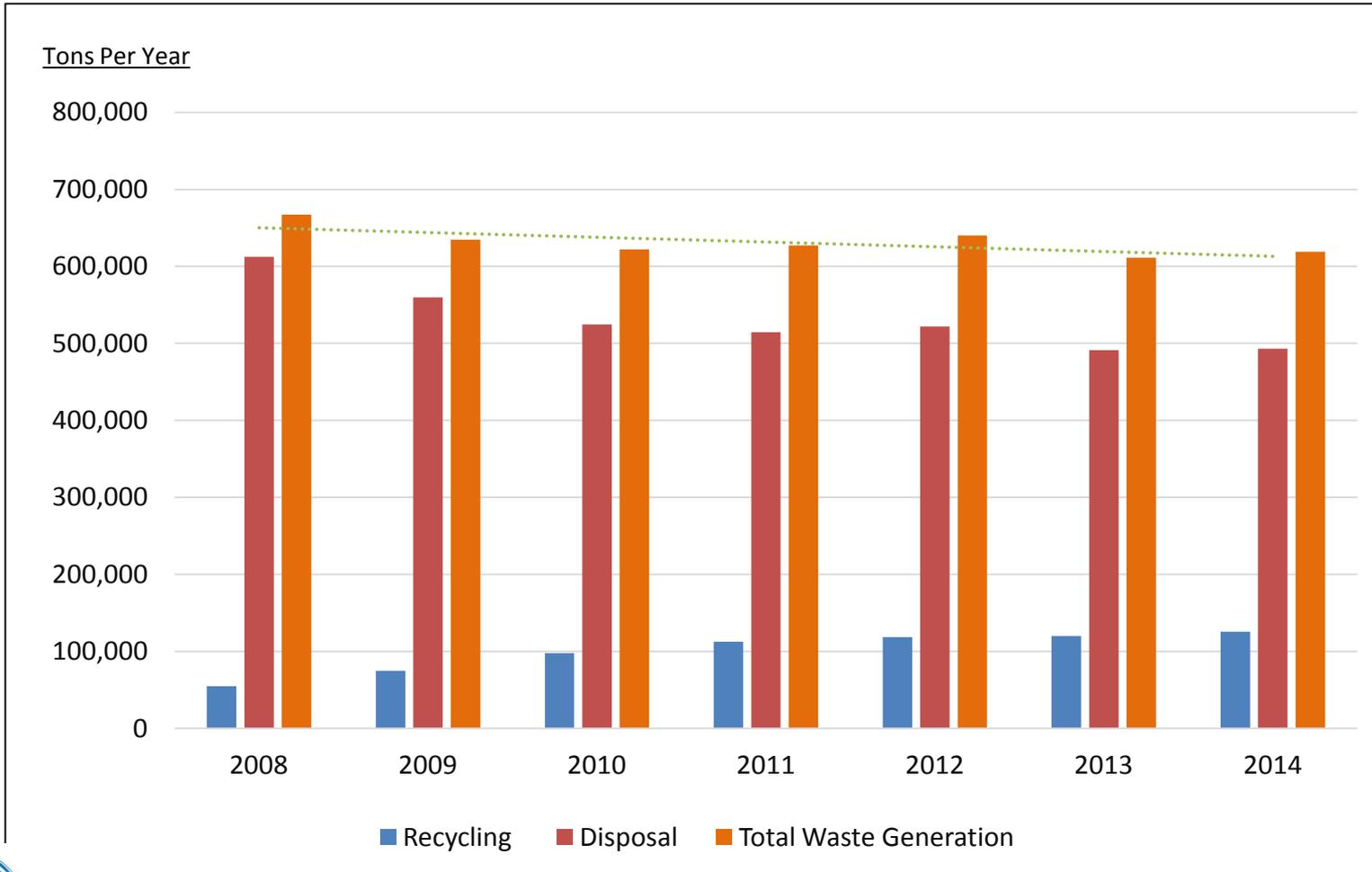


# Philly MSW Generation & Disposal Trends Per-Capita

	2010	2011	2012	2013	2014
Total MSW Generation (in tons)	2,931,374	2,840,024	2,716,055	2,551,697	2,485,187
Total MSW Disposed	1,437,419	1,443,037	1,351,800	1,337,928	1,340,905
Population	1,526,006	1,534,577	1,543,149	1,551,720	1,560,291
<i>Per Capita MSW generation</i>	<i>1.92</i>	<i>1.85</i>	<i>1.76</i>	<i>1.64</i>	<i>1.59</i>
<i>Per Capita MSW Disposal</i>	<i>.94</i>	<i>.94</i>	<i>.87</i>	<i>.862</i>	<i>.859</i>

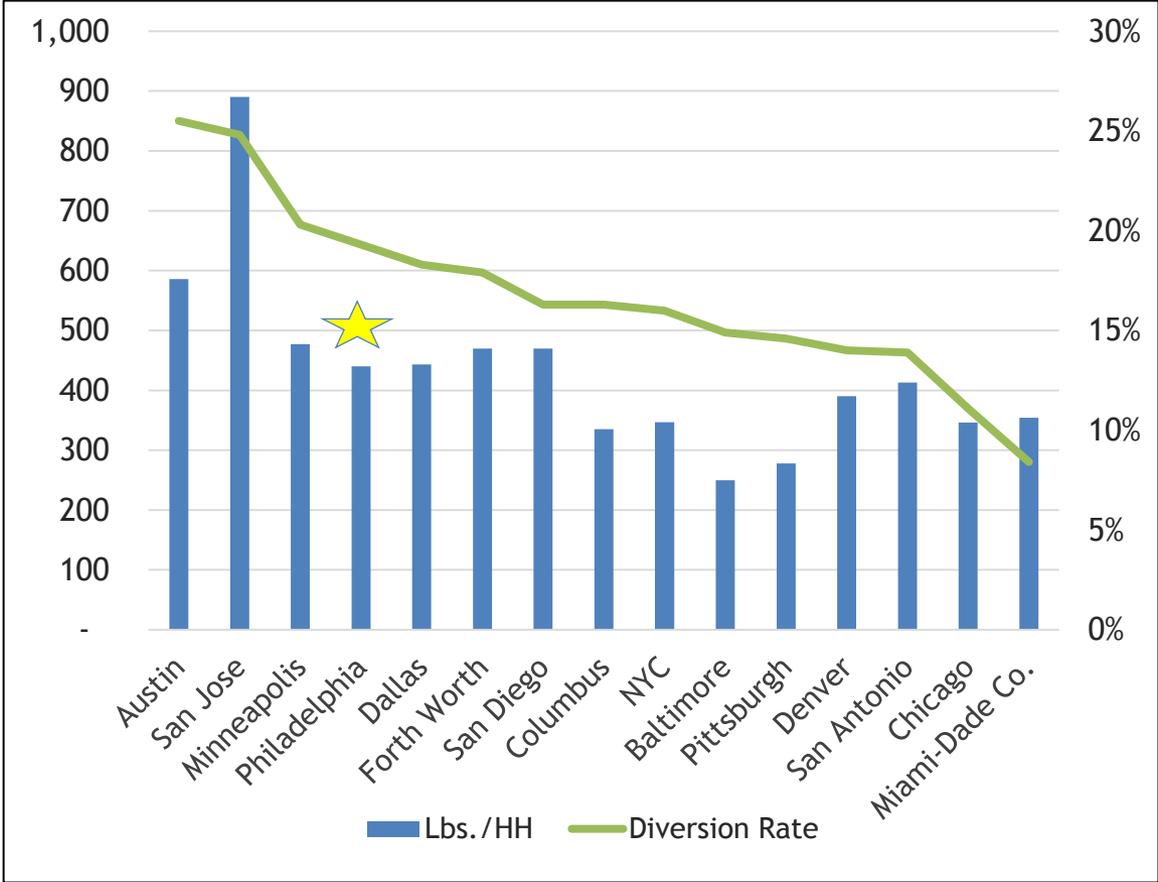


# Philadelphia Residential Solid Waste 2008-2014



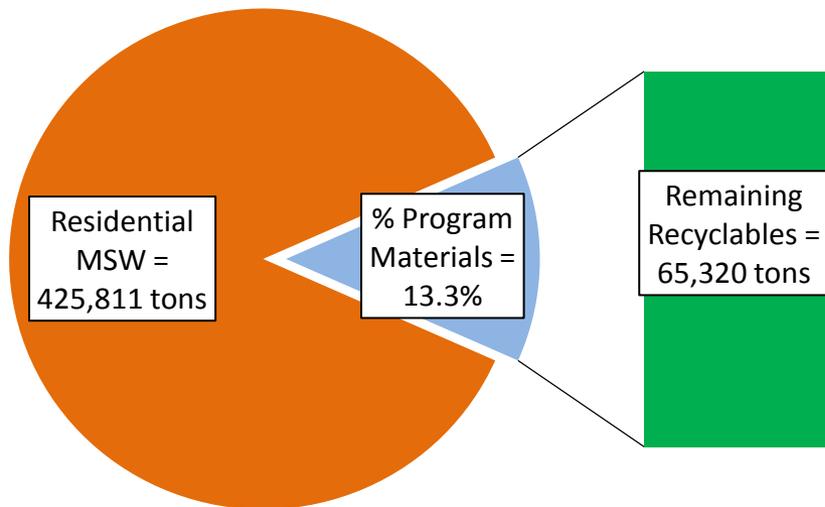
# Curbside Recycling Comps (blue-bin materials only)

- Philly's annual lbs. yields per household and diversion rate rank high among large U.S. cities and counties



# Opportunity To Recycle (curbside)

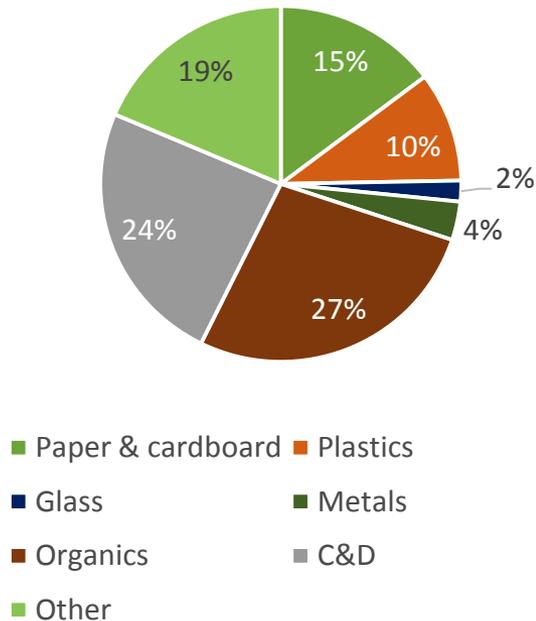
*Opportunity for Recycling (based on FY 2014 data)*



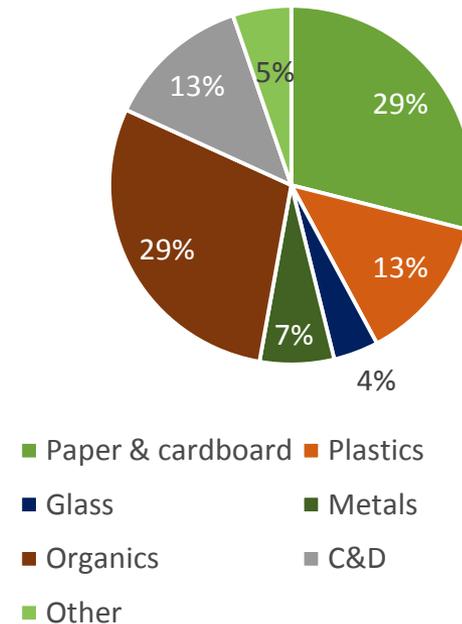
Based on MSW composition study ~65,000 tons of current program recyclables remain (not adjusted for residue)

# Changing Philadelphia MSW Stream...

Philadelphia Residential Disposed  
2010



Philadelphia Residential Disposed  
2000

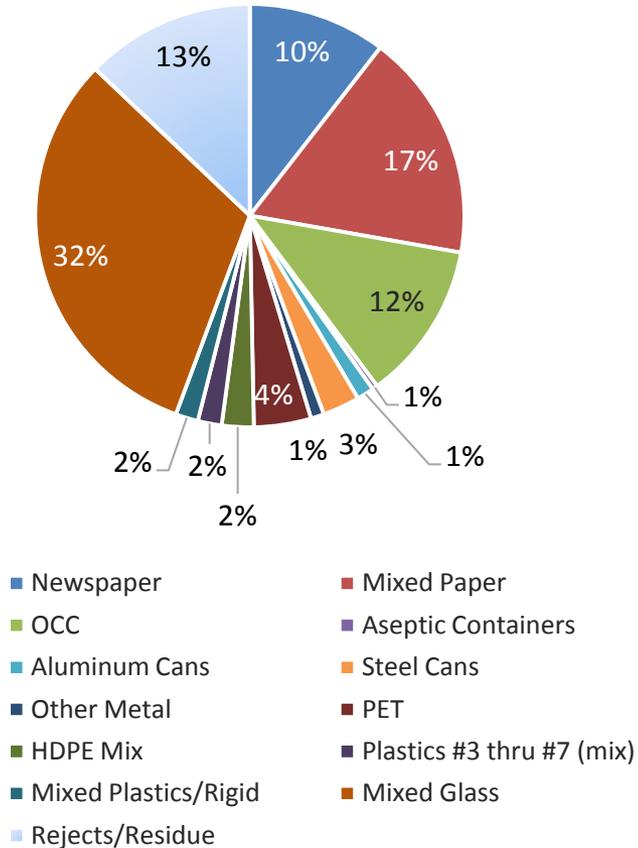


*MSW stream getting more difficult to recycle...*

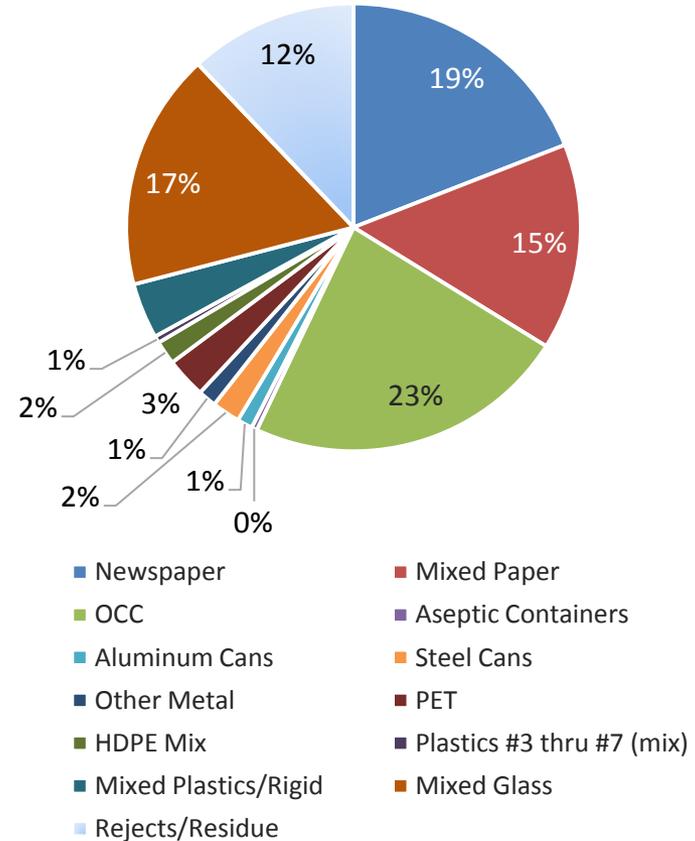


# Philly's Evolving Recycling Ton

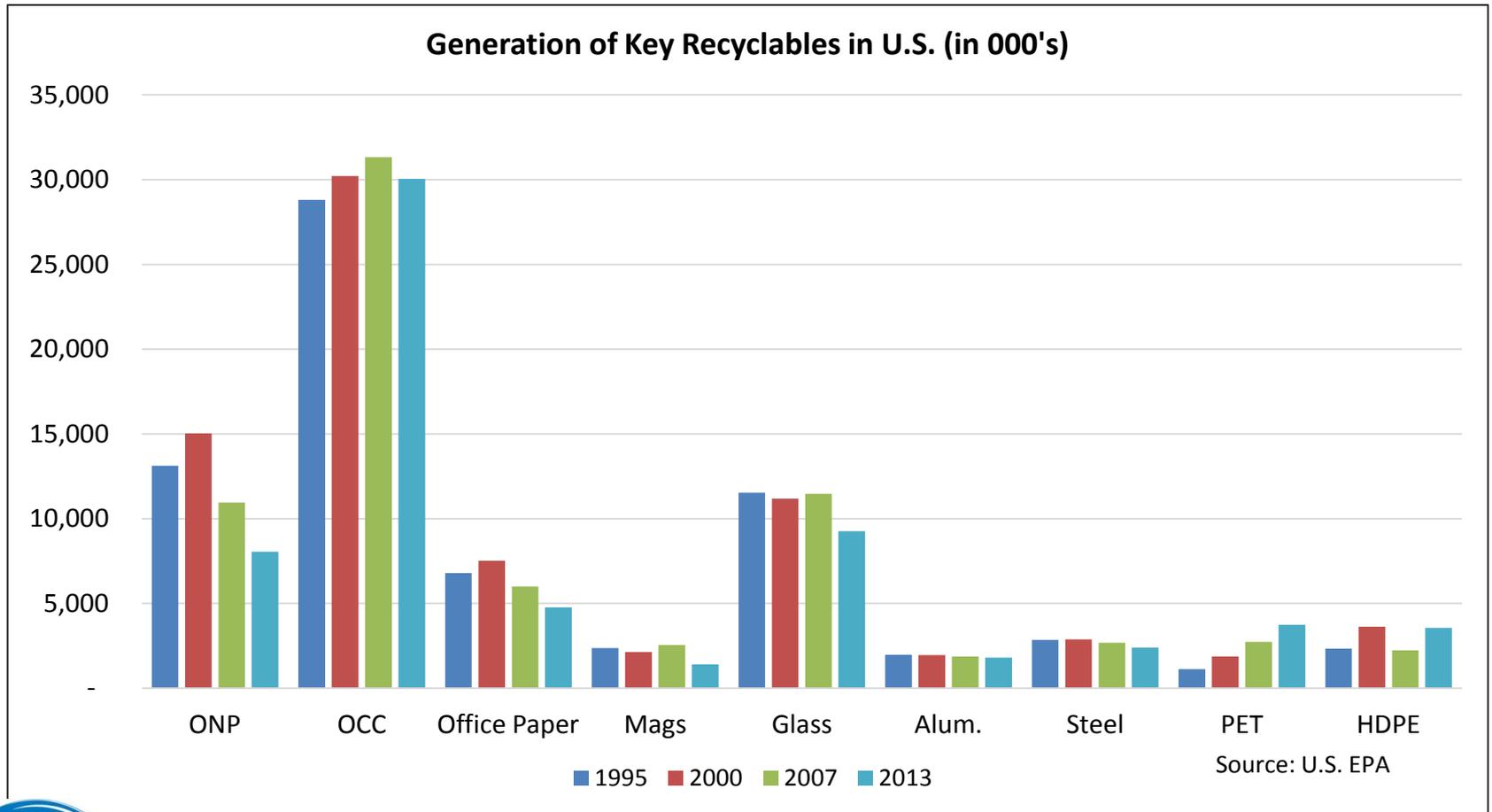
## Inbound MRF Tons 2013



## Inbound MRF Tons 2010



# Evolving Recycling Ton is U.S. Trend



# Recycling's Evolving Ton...

- Declining newspaper circulation & readership
- Inquirer Sunday circulation:
  - 2011 = 436K
  - 2014 = 312K
- Inquirer weekday circulation:
  - 2011 = 224K
  - 2014 = 159K
- Packaging light-weighting – the aluminum can:
  - 21.75 cans to make a pound in 1972
  - 34.6 cans to make a pound in 2012



# Recycling's Evolving Ton: Packaging Materials



Glass bottle



Rigid plastic bottle



Flexible plastic pouch



Rigid plastic bottle



Detergent pods  
(in plastic container)



Detergent pods  
(in flexible plastic pouch)