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

MSW Generation by Sector
- Residential: 60%
- Commercial: 25%
- C&D: 15%

MSW by Disposal/Recycling Method
- Recycled: 26%
- Waste to Energy: 46%
- Landfilled: 28%
## Philly MSW Generation & Disposal Trends Per-Capita

<table>
<thead>
<tr>
<th></th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total MSW Generation (in tons)</td>
<td>2,931,374</td>
<td>2,840,024</td>
<td>2,716,055</td>
<td>2,551,697</td>
<td>2,485,187</td>
</tr>
<tr>
<td>Total MSW Disposed</td>
<td>1,437,419</td>
<td>1,443,037</td>
<td>1,351,800</td>
<td>1,337,928</td>
<td>1,340,905</td>
</tr>
<tr>
<td>Population</td>
<td>1,526,006</td>
<td>1,534,577</td>
<td>1,543,149</td>
<td>1,551,720</td>
<td>1,560,291</td>
</tr>
<tr>
<td>Per Capita MSW generation</td>
<td>1.92</td>
<td>1.85</td>
<td>1.76</td>
<td>1.64</td>
<td>1.59</td>
</tr>
<tr>
<td>Per Capita MSW Disposal</td>
<td>.94</td>
<td>.94</td>
<td>.87</td>
<td>.862</td>
<td>.859</td>
</tr>
</tbody>
</table>
Philadelphia Residential Solid Waste 2008-2014

Tons Per Year

2008 2009 2010 2011 2012 2013 2014

Recycling Disposal Total Waste Generation
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)

Residential MSW = 425,811 tons

Remaining Recyclables = 65,320 tons

% Program Materials = 13.3%

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

MSW stream getting more difficult to recycle...
Philly’s Evolving Recycling Ton

**Inbound MRF Tons 2013**

- Newspaper: 32%
- OCC: 13%
- Aluminum Cans: 10%
- Mixed Metal: 12%
- Other Metal: 4%
- Aseptic Containers: 4%
- Steel Cans: 1%
- PET: 1%
- Plastics #3 thru #7 (mix): 2%
- Mixed Plastics/Rigid: 3%
- Mixed Glass: 1%
- Rejects/Residue: 1%

**Inbound MRF Tons 2010**

- Newspaper: 23%
- OCC: 12%
- Aluminum Cans: 19%
- Mixed Metal: 15%
- Other Metal: 17%
- Aseptic Containers: 17%
- Steel Cans: 3%
- PET: 2%
- Plastics #3 thru #7 (mix): 2%
- Mixed Plastics/Rigid: 1%
- Mixed Glass: 0%
- Rejects/Residue: 2%
Evolving Recycling Ton is U.S. Trend

Generation of Key Recyclables in U.S. (in 000's)

- ONP
- OCC
- Office Paper
- Mags
- Glass
- Alum.
- Steel
- PET
- HDPE

Source: U.S. EPA
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)