2013 Highlights

- Overall recycle rate up 0.5 percentage points to 56.2%.
  - Seattle’s highest rate yet.
  - 10th straight year of growth in overall recycling rate

- Recycle rate changes by sector
  - Residential: Single Family down, Multi Family up
  - Commercial up
  - Self-haul down

- Municipal Solid Waste (MSW) tons disposed up after 5 years of decline

- Construction & Demolition (C&D) debris recycle rate up
Overall Tons & Recycle Rate

Disposed  Recycled  Recycle Rate

Seattle Public Utilities
Tons Disposed & Recycled by Sector

- **Single Family**
  - Disposed: 200,000
  - Recycled: 140,000
  - Goal 2015 Gap: 60,000

- **Multi Family**
  - Disposed: 100,000
  - Recycled: 34,300
  - Goal 2015 Gap: 65,700

- **Commercial**
  - Disposed: 150,000
  - Recycled: 92,900
  - Goal 2015 Gap: 57,100

- **Self Haul**
  - Disposed: 200,000
  - Recycled: 24,200
  - Goal 2015 Gap: 175,800
Tons Disposed & Recycled by Sector

<table>
<thead>
<tr>
<th>Sector</th>
<th>Disposed</th>
<th>Goal 2022 Gap</th>
<th>Recycled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Family</td>
<td>70.8%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Multi Family</td>
<td>34.3%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Commercial</td>
<td>62.9%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Self Haul</td>
<td>12.2%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Graph showing tons disposed and recycled by sector.
Single Family Recycle Rate

Year: 1995 - 2013
Recycle Rate: 60.6% - 75.4%
2015 Goal: 75.4%
Single Family Highlights

- Recycle rate down 0.3 percentage points to 70.8%
- Needs 5 percentage point rise to reach 2015 goal (9,469 tons if 2013)
- Decline partly from
  - Changing calculation of organics between single family and multi family
  - Yearly variance in weather (yard waste)
- All tons down
Multi Family Highlights

- Recycle rate up 2.1 percentage points to 34.3%
  - Highest ever recycle rate
- Needs 8 percentage point recycling increase to reach 2015 goal (6,300 tons if 2013)
- All tons up
- 95% multi family dumpster accounts (5,003 properties) signed up for composting service, 3% exempt
- Properties supported with technical assistance, and resident volunteer training
Self Haul Recycle Rate

<table>
<thead>
<tr>
<th>Year</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1995</td>
<td>17.2%</td>
</tr>
<tr>
<td>2003</td>
<td>18.1%</td>
</tr>
<tr>
<td>2004</td>
<td>18.8%</td>
</tr>
<tr>
<td>2005</td>
<td>19.2%</td>
</tr>
<tr>
<td>2006</td>
<td>18.8%</td>
</tr>
<tr>
<td>2007</td>
<td>19.2%</td>
</tr>
<tr>
<td>2008</td>
<td>18.4%</td>
</tr>
<tr>
<td>2009</td>
<td>16.7%</td>
</tr>
<tr>
<td>2010</td>
<td>13.5%</td>
</tr>
<tr>
<td>2011</td>
<td>13.1%</td>
</tr>
<tr>
<td>2012</td>
<td>12.5%</td>
</tr>
<tr>
<td>2013</td>
<td>12.2%</td>
</tr>
<tr>
<td>2015 Goal</td>
<td>32.9%</td>
</tr>
</tbody>
</table>
Self Haul Highlights

- Recycle rate down 0.3 percentage points to 12.2%
  - Continues trend of annual decreases since 2007
- Needs 21 percentage point increase to reach 2015 goal (17,400 tons if 2013)
- All tons up
  - But yard waste down again
  - Drop box recycling rose moderately, but still very much lower than 2007
- Need an additional new approach here
Commercial Recycle Rate

1995: 48.2%
2000: 37.3%
2004: 42.5%
2005: 46.6%
2006: 51.7%
2007: 52.5%
2008: 54.7%
2009: 54.9%
2010: 58.9%
2011: 61.4%
2012: 61.4%
2013: 62.9%
2015 Goal: 63.4%
Commercial Highlights

- Recycle rate up 1.5 percentage points to 62.9%
  - Highest rate ever
- Needs ½ percentage point recycling increase to reach 2015 goal (1,900 tons if 2013)
- Total tons up (disposed down, recycling up)
- 228 more businesses signed up for food waste collection
- Helped businesses with visits regarding plastic bag ban, recycling, compostable food packaging
Construction & Demolition
Recycling & Beneficial Use Rates

Recycle + Beneficial Use = Total Diversion

<table>
<thead>
<tr>
<th>Year</th>
<th>Recycling</th>
<th>Beneficial Use</th>
<th>Diversion Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>2007</td>
<td>49.3%</td>
<td></td>
<td>51.6%</td>
</tr>
<tr>
<td>2008</td>
<td>50.6%</td>
<td></td>
<td>54.4%</td>
</tr>
<tr>
<td>2009</td>
<td>56.4%</td>
<td></td>
<td>60.0%</td>
</tr>
<tr>
<td>2010</td>
<td>61.9%</td>
<td></td>
<td>66.0%</td>
</tr>
<tr>
<td>2011</td>
<td>63.2%</td>
<td></td>
<td>67.1%</td>
</tr>
<tr>
<td>2012</td>
<td>59.5%</td>
<td></td>
<td>64.5%</td>
</tr>
<tr>
<td>2013</td>
<td>60.8%</td>
<td></td>
<td>67.2%</td>
</tr>
<tr>
<td>2020 Goal</td>
<td>70%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Construction & Demolition Highlights

- Not included in overall MSW recycling rate
- Timely report data still challenging, still refining
- Recycle rate up 1.3 percentage points to 60.8%
- Wrote rules for certification program and builder’s reports
- Modified schedule for starting materials bans
Recommendations to Increase Recycling

- Self-Haul
  - Very far behind goal – need new approach
  - Complete newly started floor sorting pilot through 2014
    - Of loads more than 50% recycling
  - Decide 2015 what to keep, modify

- Single use food service ware
  - Effective July 2015, start all compostable requirement for single use ware
  - Will complement increased composting, reduce contamination
Recommendations to Increase Recycling, *continued*

- Composting requirements, all sectors
  - Why?
    - Biggest target left in the waste stream
    - Even businesses with compost service have very high amounts of compostables left in garbage
    - Strong support among polled residents
  - Elements
    - Food and some compostable paper included
    - Thresholds for non-compliance
    - Fees for non-compliance
    - Exemptions for certain conditions
    - Assistance and education for implementation
Recommendations to Increase Recycling, continued

- Composting requirements, all sectors, con’t

- Schedule
  - Adopt ordinance 3Q 2014
  - Start education October 2014
  - Separation requirement effective 1/1/15
  - Start enforcement July 2015