Recycling & Waste Reduction

Our Mission. Everyone’s Job!

Adam Schnirel & Susan Bluestone

5/9/2016
Waste Consolidation & Sorting Project

- Facilities Services, Recycling & Waste Reduction received a $105,000 grant from SF Dept. of Environment.
- Goal: Study the waste stream to understand tossing behavior and divert garbage from landfill.
- Location: Parnassus & Mission Bay Campus
- Duration: 1 year study.
- Work force: SFCC & UCSF Facilities Staff
Why Have Sorters

- Since March 2015 they have diverted 561/tons or 1,122,000lbs from Landfill!
- Cost avoidance associated with sorting = $115,000/year
- Invaluable information obtained through material evaluation.
- Ability to monitor education and outreach methods.
- Industry metrics
Marketing & Outreach : Direct Advertising

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Where to toss?
Check for the word “COMPOSTABLE”

Compost
Compost
Recycle

Recycling@ucsf.edu

UCSF
University of California
San Francisco

Campus Life Services
FACILITIES • RETAIL

Facilities
Campus Life Services
Marketing & Outreach: Direct Advertising

Recycling & Waste Reduction

Where to toss?

- Compost
- Recycle

GreenBin: please toss into the right bin
Blue Bin: Facilities

UCSF Campus Life Services
recycling@ucsf.edu
# Nightly Data Collection

## UCSF Consolidation Pilot (Mission Bay)

<table>
<thead>
<tr>
<th>Week</th>
<th>Number of lab bags</th>
<th>C &amp; R</th>
<th>Number of full bags</th>
<th>Number of half or less than half full bags</th>
<th>Number of full garbage bags/toters sorted (32 gal)</th>
<th>Number of full recycle bags/toters sorted (32 gal)</th>
<th>Number of full compost bags/toters sorted (32 gal)</th>
<th>Total volume of waste (gallons)</th>
<th>MB Waste Diversion Percentage</th>
<th>Gallons/Hour (4 hours)</th>
</tr>
</thead>
<tbody>
<tr>
<td>W44 1/25-1/29</td>
<td>308</td>
<td>126</td>
<td>94</td>
<td>664</td>
<td>35</td>
<td>47</td>
<td>55</td>
<td>4384</td>
<td>74.5%</td>
<td>163.2</td>
</tr>
<tr>
<td>W45 2/1-2/5</td>
<td>396</td>
<td>107</td>
<td>103</td>
<td>608</td>
<td>29</td>
<td>44</td>
<td>51</td>
<td>3968</td>
<td>76.6%</td>
<td>152.0</td>
</tr>
<tr>
<td>W46 2/8-2/12</td>
<td>342</td>
<td>143</td>
<td>136</td>
<td>637</td>
<td>33</td>
<td>50</td>
<td>48</td>
<td>4192</td>
<td>74.8%</td>
<td>156.8</td>
</tr>
<tr>
<td>W47 2/15-2/19</td>
<td>352</td>
<td>96</td>
<td>90</td>
<td>631</td>
<td>28</td>
<td>36</td>
<td>38</td>
<td>3264</td>
<td>72.5%</td>
<td>118.4</td>
</tr>
<tr>
<td><strong>TOTALS</strong></td>
<td><strong>17019</strong></td>
<td></td>
<td><strong>5579</strong></td>
<td><strong>18331</strong></td>
<td><strong>1169</strong></td>
<td><strong>1621</strong></td>
<td><strong>1975</strong></td>
<td><strong>152480</strong></td>
<td><strong>75.9%</strong></td>
<td><strong>115</strong></td>
</tr>
</tbody>
</table>

**Weekly Averages**

- **W44** 1/25-1/29
  - Total volume of waste: 4384 gallons
  - MB Waste Diversion Percentage: 74.5%
  - Gallons/Hour (4 hours): 163.2
- **W45** 2/1-2/5
  - Total volume of waste: 3968 gallons
  - MB Waste Diversion Percentage: 76.6%
  - Gallons/Hour (4 hours): 152.0
- **W46** 2/8-2/12
  - Total volume of waste: 4192 gallons
  - MB Waste Diversion Percentage: 74.8%
  - Gallons/Hour (4 hours): 156.8
- **W47** 2/15-2/19
  - Total volume of waste: 3264 gallons
  - MB Waste Diversion Percentage: 72.5%
  - Gallons/Hour (4 hours): 118.4

**Weekly Averages**

- Total volume of waste: 152480 gallons
- MB Waste Diversion Percentage: 75.9%
- Gallons/Hour (4 hours): 115
### Diversion

#### February 2016 Tonnage C & S Project

<table>
<thead>
<tr>
<th>Buildings</th>
<th>Garbage Tons</th>
<th>Actual Diverted Tons</th>
<th>Remaining Garbage Tons</th>
<th>Diversion %</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MISSION BAY CAMPUS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Genentech Hall + Byers Hall</td>
<td>24</td>
<td>24</td>
<td>0</td>
<td>62%</td>
</tr>
<tr>
<td>Rutter Center</td>
<td>18</td>
<td>-1</td>
<td>19</td>
<td></td>
</tr>
<tr>
<td>Mission Hall</td>
<td>8</td>
<td>8</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

**PARNASSUS CAMPUS**

<table>
<thead>
<tr>
<th>Buildings</th>
<th>Garbage Tons</th>
<th>Actual Diverted Tons</th>
<th>Remaining Garbage Tons</th>
<th>Diversion %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medical Sciences</td>
<td>21</td>
<td>5</td>
<td>16</td>
<td>75%</td>
</tr>
<tr>
<td>School of Nursing</td>
<td>28</td>
<td>28</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Millberry Union</td>
<td>14</td>
<td>14</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

**Total**

- 113 Tons
- 82 Tons
- 35 Tons
- 73%