Recycling Case Study

Streamline your recycling program and increase your diversion ratio
Commercial Office Building: Case Study

1. Streamline recycling program

2. Increase diversion ratio

\[
\text{Diversion Ratio} = \frac{\text{Recyclables}}{\text{Recyclables} + \text{Trash}}
\]

3. No added costs
Commercial Office Building: Case Study

- Building A:
  - 700,000 sq ft
  - 19 floors
  - Approximately 1,800 people
Commercial Office Building: Case Study

• Building A:
  – 700,000 sq ft
  – 19 floors
  – Approximately 1,800 people

Material generation – 85% paper/dry
Paper vs. Trash

85% paper

15% trash
Three Recycling Programs

No Recycling Program

Dual Bin Recycling Program

Single Bin Recycling Program
Building with No Recycling Program

- **Deskside**
  - Inconsistent deskside bin set-up
  - No one knows what goes where
  - Mostly collected as trash

- **Central Bins**
  - Central trash and recycling bins exhibit appropriate use
No Recycling Program

- Diversion Ratio: 40%
- 2,347 liners per day

Amount of Waste

<table>
<thead>
<tr>
<th>Bags</th>
<th>Desk Trash</th>
<th>Pantry Trash</th>
<th>Paper</th>
<th>GMP</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>96</td>
<td>58</td>
<td>62</td>
<td>39</td>
</tr>
</tbody>
</table>
Building with Dual Deskside Program

• Deskside
  – Two bins at each desk
  – Most bins used and collected appropriately

• Central Bins
  – Central trash and recycling bins exhibit appropriate use
Dual Deskside Program

- Diversion Ratio: 44%
- 1,805 liners per day

Amount of Waste

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Great Forest – Sustainability Solutions
Single Deskside Program

- Single bin by each desk for PAPER
- Food waste to pantries or other central areas
- ALL deskside bins are UNLINED
Single Deskside Program

Amount of Waste

- Diversion Ratio: 66%
- 0 liners per day

Table:

<table>
<thead>
<tr>
<th>Bag Type</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desk Trash</td>
<td>0</td>
</tr>
<tr>
<td>Pantry Trash</td>
<td>94</td>
</tr>
<tr>
<td>Paper</td>
<td>157</td>
</tr>
<tr>
<td>GMP</td>
<td>39</td>
</tr>
</tbody>
</table>
Compare

Diversion Ratios

- None: 40%
- Dual: 44%
- **Single: 66%**

- None: 2,347 liners per day
- Dual: 1,805 liners per day
- **Single: 0 liners per day**
Implementing in your space

1. Check with building management
2. Check with cleaning company
3. Educate employees
Conclusion

1. Streamline recycling
   • Single Deskside Program

2. Increase diversion ratio
   • 40% → 66% = 26% increase

3. No added costs
• Questions?

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