Reducing Food Waste in Morgan Dining Hall

Mikayla Filippone
Worcester Polytechnic Institute

Ayesha Ludhani
Edward Partlow III
Mariana Vertoni

Follow this and additional works at: http://digitalcommons.wpi.edu/gps-posters

Part of the Architecture Commons, Arts and Humanities Commons, Business Commons, Education Commons, Engineering Commons, Life Sciences Commons, Medicine and Health Sciences Commons, and the Social and Behavioral Sciences Commons

Recommended Citation
Filippone, Mikayla; Ludhani, Ayesha; Partlow III, Edward; and Vertoni, Mariana, "Reducing Food Waste in Morgan Dining Hall" (2012). Great Problems Seminar Posters (All Posters, All Years). 125.
http://digitalcommons.wpi.edu/gps-posters/125
Reducing Food Waste in Morgan Dining Hall

Mikayla Filippone (CHE), Ayesha Ludhani (CHE), Edward Partlow III (CHE), Mariana Vertoni (CHE)

Benefits

- Reduce waste by 40-45%
- Environmentally friendly
- Greater profit
- Enhanced reputation
  - Chartwells
  - WPI
  - Public Relations

Problem
Excess waste in WPI Morgan Dining Hall due to:
- Students take more food than they need
- Students want to “Get their money’s worth”
- Unfavorable taste
- Pre-determined portions

All of the above leads to the wasting of:
- Resources
- Energy
- Money

Implemented System

- Average Per-Student Waste at Morgan Dining Hall

<table>
<thead>
<tr>
<th>Monday</th>
<th>Tuesday</th>
<th>Average of Both Days</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.12</td>
<td>0.17</td>
<td>0.36</td>
</tr>
<tr>
<td>0.17</td>
<td>0.20</td>
<td>0.20</td>
</tr>
<tr>
<td>0.12</td>
<td>0.19</td>
<td>0.17</td>
</tr>
</tbody>
</table>

*Assuming every student ate three meals a day.

Solutions

- Reward students for reduced waste
- Promote student involvement
  - Posters
  - Announcements
- Option for self serve

1. Weekly waste is compared to a set standard.
2. Students are rewarded with special meals of their choice if waste is below a set limit.
3. The limit will change weekly.
4. Students have the option of self serve at all stations.
5. The upcoming service and goal will be displayed and announced.

Costs
There will be no new costs. The student choice meals will be a substitution.

References


Monday Tuesday Average of Both Days

Waste per person (Lb)

0.00 0.10 0.20 0.30 0.40 0.50 0.60

Breakfast Lunch Dinner Daily Total*

* Assuming every student ate three meals a day.