Green Dining presents
LBC Goes Green!

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Agenda

- Introduction
- Facts
- Status Quo
- Problems
- Proposal
- Questions
Video
Questions

• Do you dine at the LBC?
• How often do you carry out your lunch/dinner?
• Do you know that the LBC offers silverware and ceramic dishes?
• Do you use them?
Facts

- 60 employees
- Approximately 70% customers eat at the LBC
- Total elimination of plastic not possible
- 50% of LBC's waste is paper and plastic
• Storage area: 2/3 is paper and plastic
• 3%- 5% of sales are paper costs
• 1/2 ton/monthly of plastic waste
• $ 6,500 are spent weekly on paper and plastic
Status Quo

• Byblos & Sushi do not participate in using recycled materials (use their own)

• Taco Bell pays for plastic, but does not use recycled materials

• Energy Zone uses „Ecotainer“
• Change of napkin dispenser
• Reusable cups (coffee mug)
• Tentative Project: recycle bags
• Dishwasher with sufficient capacity not in use
• Visible recycle bins
Problems

• No environmental consciousness of consumers
• Lack of information at the LBC
• Pressure from consumers
• Lack of training employees and staff

• „First plastic and then silverware and ceramic!“
Proposal

Replacement of 70% plastics for silverware and ceramic dishes!

Costs:

- Silverware/plates: $20,000
- Hiring a new employee: $1,728 ($8 x 9 hours daily x 6 days a week)
- Daily water consumption of cafeteria dishwasher: 300 gallons
- Dishwasher monthly energy cost: $343.20
# Financial Analysis

## Current Monthly Expenses vs. Proposed 70% Plastic Reduction

<table>
<thead>
<tr>
<th>Current Monthly Expenses</th>
<th>Proposed 70% Plastic Reduction</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>First Month Expenses</td>
</tr>
<tr>
<td>Paper and plastic products</td>
<td>$26,000.00</td>
</tr>
<tr>
<td></td>
<td>Paper and plastic products</td>
</tr>
<tr>
<td></td>
<td>Initial purchase (silverware, dishes, and cups)</td>
</tr>
<tr>
<td></td>
<td>Cost of hiring new employee</td>
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<tr>
<td></td>
<td>Cost of dishwasher water</td>
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<tr>
<td></td>
<td>Cost of dishwasher energy</td>
</tr>
<tr>
<td>TOTAL</td>
<td>$26,000.00</td>
</tr>
</tbody>
</table>

## Current Monthly Waste vs. Adjusted Waste

<table>
<thead>
<tr>
<th>Current Monthly Waste</th>
<th>Adjusted Waste</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plastic waste</td>
<td>500 lbs</td>
</tr>
<tr>
<td></td>
<td>Adjusted plastic waste amount</td>
</tr>
</tbody>
</table>

## Yearly Expenses

<table>
<thead>
<tr>
<th></th>
<th>Yearly Expenses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper and plastic products</td>
<td>$312,000.00</td>
</tr>
<tr>
<td>Cost of hiring new employee</td>
<td>$20,736.00</td>
</tr>
<tr>
<td>Cost of dishwasher water</td>
<td>$301.44</td>
</tr>
<tr>
<td>Cost of dishwasher energy</td>
<td>$4,118.40</td>
</tr>
<tr>
<td>Initial purchase (silverware plates)</td>
<td>$20,000.00</td>
</tr>
<tr>
<td>TOTAL:</td>
<td>$312,000.00</td>
</tr>
</tbody>
</table>

## Savings

- **44% Savings**

## Total Yearly Waste Reduction

- **33% Waste Reduction**
  - Total: 6,000 lbs
  - Reduced: 1800 lbs
Proposal

**Benefits:**
- 70% reduction of plastic utensils
- 350 pounds in monthly waste reduction
- More storage area
- Reduction of utensils costs (long-term)
- Creating environmental awareness (signs, pamphlets, advertising on bags, cooperation with Loyola)
- Incentives (discount for using silverware/ceramics)
Questions