

Sustainable Food Service Webquest (Key)

Follow the steps to each question and answer each problem using the link below:

Website: www.sustainablefoodservice.com

1. In a restaurant operation, 2 oz. plastic cups for salad dressing and measuring various items are used.
 - a. Click on biodegradable products on the left side
 - b. Scroll down and click on Be Green Packaging
 - c. Click on the bowls and cups image
 - i. How many cups are in a case? 2,000
 - ii. Click on “download product list”
 - iii. Click on the sample cup – 2 oz.
 - iv. What is the cost of a case of cups? \$75.19
 - v. What is the price per cup? $2,000 \div \$75.19 = \0.037 (round up to 4 cents)

The current price for 2 oz. portion cups is \$37.67/2500 cups. The green packaging is more expensive. How would you justify the increase cost?

Answers will vary for justifying cost.

2. Return to the sustainable foodservice webpage and click on “energy efficiency.” Review the pie chart depicting restaurant energy use and identify the three areas of operating a restaurant that use the greatest amount of energy. Include the percentage of energy used for each.
 - a. Food Prep – 24.4%
 - b. Heating - 16.6%
 - c. Refrigeration – 16.4%
 - d. Sanitation – 15.7%
3. Return to the sustainable foodservice webpage and click on “food.” Scroll to the Farm to “_____” section.
 - a. Scroll down and click on the Farm to College website
 - b. Click on link “Learn more about the basics of farm to college”
 - c. Briefly summarize the Farm to College program.

Farm to College – This program connects colleges and universities with farms in the area to provide locally sourced farm products for special events and meals.

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4. On the left side of the page, go to the “Food Waste” section and click on “Food Donation.”
 - a. What percentage of a restaurant’s garbage is composed of organic material?
 - b. This section talks about “food waste logs.” Explain what a food waste log is and how it is used.

63% of a restaurants’ garbage is mostly organic material.

Food waste logs – On a daily or weekly basis, staff record items being thrown away. They use the log to analyze food purchasing and production and more.

5. On the left side of the home page (www.sustainablefoodservice.com), click on “Renewable Energy.”
 - a. Scroll down the article and click on “renewable energies database.”
 - b. The next page you will see a map of the United States, click on Texas.
 - c. Again, scroll down to, “State-Specific Retail Green Power Product Offerings.”
 - d. You will notice a list of electric companies in Texas and their “resource mix” (their renewable energy).
 - e. Find Direct Energy and click on it.
 - f. Explain the “New Leaf Energy.”
 - g. Why would someone select this option rather than traditional energy delivery, especially since a customer would pay \$25 more on their monthly bill?

New leaf program offers 100% Green E-certified renewable energy using Texas wind turbines.

Answers will vary for the second part of the question.