

## Food and Beverage Management 101 Controlling the Big 3 "Labor, Food \& Beverage"

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## Agenda

1. Objectives - Lee Pitts
2. Basic terms, food cost calculations \& recipe cards - Rob Gordon
3. Menu Engineering - Eugene Naughton
4. Trouble Shooting - food cost - Lee Pitts
5. Menu Engineering: Trouble shooting Part I - Rob Gordon
6. Menu Engineering: Trouble shooting Part II \& Food cost takeaways - Eugene Naughton
7. Labor management - Lee Pitts

## Objectives

- Save you Money!!!
- Food and Beverage Management 101 - second largest controllable expense
- Basic Terms - What is Cost of Sales \%
- Cost of Sale Formula
- Development of recipe cards and product costing
- Menu Engineering ( Development of an effective reporting tool)
- Theoretical Food Cost and Gaps
- Trouble shooting common issues - people, ordering, receiving, storing, production
- Trouble shooting using menu engineering - puzzles / plow horses/ stars / dogs
- Labor management 101 - first largest controllable expense
- People Plan
- Control labor cost
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## Basic Terms

- Food cost as a percentage of sales - Amount of money to produce the product, divided by the sales of the product.
- Inventory - Beginning Inventory - The amount of food (in dollars) on hand at the beginning of an inventory period. Ending Inventory: The amount of food (in dollars) on hand at the end of an inventory period.
- Purchases - The amount of dollars spent on food products.
- Cost of Goods Sold - Beginning Inventory (\$) + Purchases (\$) - End Inventory (\$) = The dollar amount of food products used.
- Food Cost Calculations - Food cost is based on the amount of food used related to food sales. To calculate usage; Beginning Inventory (\$) + Purchases (\$) - End Inventory (\$). For example: \$20,000 (Beginning) + \$9,000 (Purchases) - \$18,000 (End) = \$11,000 (Usage).
- Recipe Cards - Editable templates that are customized for each recipe on your menu. Cards include, recipe, ingredients, preparation instructions, picture, portion, and cost.


## Basic Terms

- Menu Engineering - Structuring of a menu to balance low and high profit items to achieve overall target food cost and profits. Maximizing profits by encouraging customers to buy high profit , low cost, menu items.
- Theoretical Food Cost Percentage - The theoretical food cost is ideal food cost for a given period of time according to current cost of all ingredients. Theoretical food cost assumes that for all meals sold, there were perfect portion's, no waste and no shrinkage of ingredients.
- Actual Food Cost - The real cost of all the food that a restaurant actually spent for the same period of time. This will include, waste, shrinkage, over portioning.
- Food Cost Variance - Actual food cost minus theoretical food cost equals variance.
- Periodic automatic replacement ( PAR Level) - A system for figuring out the minimum level of inventory you need on hand for a given period of time
- Labor Cost - Sum cost of all salaries, wages, healthcare, benefits and taxes for employees
- Labor Cost Percentage - Labor cost divided by Sales X 100 @IAAPAHQ | \#IAAPAExpo


## Determining Food Cost

## Food Cost Formula

Beginning Inventory (\$) + Purchases (\$) - End Inventory (\$) = Usage (\$) $\div$ Sales (\$) = Food Cost as a \% of Sales or Cost of Sales
\$20,000 (Beginning) + \$9,000 (Purchases) - \$18,000 (End) = $\$ 11,000$ (Usage) $\div \$ 40,000$ Sales

Food cost example:
Food Cost Percentage = 27.5\%
Beginning Inventory $=\mathbf{\$ 2 0 , 0 0 0}$
Purchases = \$9,000
Ending Inventory = \$18,000
Food Sales =\$40,000

## Determining Food Cost

## Food Cost Formula

Beginning Inventory (\$) + Purchases (\$) - End Inventory $(\$)=$ Usage $(\$) \div$ Sales (\$) = Food Cost as a \% of Sales or Cost of Sales

Food Cost Example:
Beginning Inventory = \$14,000
$\$ 14,000$ (Beginning) $+\$ 5,000$
$($ Purchases) $-\$ 12,500$ (End)
$=\$ 6,500$ (Usage) $\div \$ 28,000$ Sales

Purchases = \$5,000
Ending Inventory = \$12,500
Food Sales = \$28,000
Food Cost Percentage = 23.21\%

## Food Cost Savings

- Average Annual Food Sales - \$20,000,000
- Food Cost Actual - 24\%
- Current Food Cost - \$4,800,000
- Decrease Actual Food Cost by $2 \%-\mathbf{~ 4 , 4 0 0 , 0 0 0}$
- 12 Month Savings - \$400,000
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## Recipe Card

## Cost Analysis - Fries




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## Recipe Card

## Cost Analysis - Chicken Tenders

## Recipe Profile Report

Chicken Tenders

|  | Andretti Indoor Karting \&Games |  |
| :--- | :--- | :--- |
| Customer: | 1 - Plate Serving |  |
| Yield: | 1 minutes |  |
| Prep Time: | 7 minutes 30seconds |  |
| Cook Time: | Lee Pitts |  |

Ingrediert

| Description | Distributor | Item\# | Qty | UOM | Notes | Yield: | Price | Cost |
| :---: | :--- | ---: | ---: | :--- | ---: | ---: | ---: | :---: |
| Breader Mix | GFS | 175611 | 1 | $1 / 4$ Cup |  | $100 \%$ | $\$ 0.08$ | $\$ 0.08$ |
| Honey Mustard | Customer |  | 2 | FLOz |  | $100 \%$ | $\$ 0.19$ | $\$ 0.19$ |
| Fries SWT Pot | GFS | 538290 | 5 | Oz |  | $100 \%$ | $\$ 0.62$ | $\$ 0.62$ |
| PBR Keg | Liquor/Beer | 1 | 5 | FLOz |  | $100 \%$ | $\$ 0.25$ | $\$ 0.25$ |
| Chix TndrIn | GFS | 251925 | 9 | Oz |  | $100 \%$ | $\$ 0.94$ | $\$ 0.94$ |

modCost \% $\square$ Selling Price $\$ 9.99$ Gross Sales $\$ 9.99$
$\square$

Case Cost = \$76.74
Box Volume $=640 \mathrm{oz}$
Cost per OZ = . 12 \$
Serving Size = 9 oz
80,000 (Orders) x 9 (Servings in ounces) = 720,000 (Ounces of tenders) $\times .12$ (Cost per ounces) $=$ $\$ 86,400$ (Cost of tenders sold)

80,000 (Orders) x 12 (Servings in ounces) $=960,000$ (Ounces of tenders) $\times .12$ (Cost per ounces) $=$ $\$ 115,200$ (Cost of chicken tenders sold)
$3 \mathrm{oz}=\$ 28,800$ or 375 cases

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## Menu Engineering

- Menu Engineering is a tool that evaluates menu mix to help us think strategically about our menus.
- Menu Engineering is the art and science of how a menu is designed positioned and priced for maximum profitability.
- Profit and volume focused, M.E. is valuable at ensuring that you meet and maintain margin goals.
- We want all our products to strive to be stars. It helps to identify which items should be showcased for better profit results.



## Menu Engineering Profit Mix

| Kettle Chip Shop | ( |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| MENU ITEM | YIELD | UNIT | COST | COS $\%$ | Sell | Profit |
| SWEET POTATO CHIPS | 1 | EA | $\$ 1.59$ | $26.95 \%$ | $\$ 7.49$ | $\$ 5.90$ |
| BIG OX CHIPS | 1 | EA | $\$ 0.97$ | $16.11 \%$ | $\$ 6.99$ | $\$ 6.02$ |
| KETTLE CHIPS W/CHEESE | 1 | EA | $\$ 0.69$ | $13.02 \%$ | $\$ 5.99$ | $\$ 5.30$ |
| LUMBERJACK W/CHEESE \& BACON | 1 | EA | $\$ 1.73$ | $27.64 \%$ | $\$ 7.99$ | $\$ 6.26$ |
| ORIGINAL KETTLE CHIPS | 1 | EA | $\$ 0.58$ | $12.31 \%$ | $\$ 5.29$ | $\$ 4.71$ | @ @IAAPAHQ | \#IAAPAExpo



## Menu eye scanning pattern

Maximize placement of items for visibility, sales \& profits.




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## Troubleshooting - Common Issues

- If your F\&B cost of sales is above target than there are multiple areas to review that will give the source of the problem area.
- Be a chicken tender for a day. Think about the journey of a chicken tender from the time it is ordered to the time it is served.
- Cost of sales performance should not be a secret. Discuss with your team all aspects of managing your cost.
- Develop disciplined, consistent inventory procedures. Ensure regular audits are being conducted to ensure all inventory counts are accurate. @ @IAAPAHQ | \#IAAPAExpo


## COS Troubleshooting - People

- Your only silver bullet
- Remove any barrier that will prevent your team from achieving their food cost goals
- Create a culture where your teams care about the success of the operations
- Recognize and reward good behaviors daily
- Develop FOH \& BOH training programs that support efficient cost of sales
- Ensure teams understand cost of sales and how they can make a difference
- Communicate consistently with your team on how your operations is performing as it relates to cost
- Daily communication and follow up is key to overall success.
- "A Picture is Worth a Thousand Words"
- Team accountability
- Consistent execution of the basics
- Reward your team for achieving their food cost goals @IAAPAHQ | \#IAAPAExpo


## COS Troubleshooting - Purchasing \& Ordering

- Weekly Financials - Set Sales Forecast
- Holidays, Weather, and Seasons
- Set proper pars by item sales and season
- Product Mix
- Individual items sold
- Utilize approved ordering guide with current pricing
- Secondary product approved for shortage
- Monitoring your food supplier pricing

- Receiving products with the agreed pricing Y @IAAPAHQ | \#IAAPAExpo


## COS Troubleshooting - Receiving

- Ensure product ordered is product received
- Ensure all product is of quality
- Return produce that is not up to company quality specifications/thawed out frozen products prior to delivery.
- Consistent trained personnel receiving product
- Ensure all deliveries are checked for
 order accuracy, quality and condition


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## COS Troubleshooting - Storing

- FIFO
- First In First Out Policy
- Refrigeration equipment working to specifications (proper temps)
- Shelf to Sheet Inventory \& Storing
- High value inventory locked and secured at all times.
- Dating products for shelf life



## COS Troubleshooting - Storing

- Properly trained staff.
- Daily production sheets based upon daily sales volume.
- Recipe cards visible for all staff.
- Yield, Measuring Utensils \& Portion Sizes
- Quality line checks completed daily to ensure quality, along with correct dates.
- Food is properly rotated.
- Ensure stock levels match sales projections.

- Extra product out during nonpeak sales times.


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## Menu Engineering - Trouble Shooting

- Know how to cost your menu - cost of each ingredient plus cost of purchasing = item food cost.
- Calculate food cost percentage - menu item cost/menu item price = food cost percentage.
- Find out how each dish is really contributing to your bottom line - menu item sales - food cost = contributing margin.
- Measure menu item popularity - individual menu item sold / total menu items sold X $100=$ menu item popularity.
- Determine and average to gauge your success - sum of all menu contribution margins / number of menu items = average contribution margin. Sum of amount sold / number of menu items = average amount sold.
- Create your menu engineering graph - a graph will help you visualize your stars, plow horses, and conversely your dogs and your puzzles.
- Understand why menu engineering is so important. @IAAPAHQ | \#IAAPAExpo


## Menu Engineering

- Menus can get stale... especially at larger parks.
- You must account for trendy opportunities and cost changes.
- A great portion of your customers change from year to year.


## Recipe Card


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## Why use Menu Engineering



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## Why use Menu Engineering



$$
\begin{array}{ll}
\text { Cupcakes Price } & =\$ 3.29 \\
\text { Cost } & =\$ 0.75 \\
\text { Profit } & =\$ 2.54
\end{array}
$$



Cin. Rolls = \$ 4.99
Cost = \$ 1.00
Profit = \$ 3.9999

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## Menu Engineering Menu Change

## Baseline

- Sales
- COS
- Margin
\$ 1,000,000
$\$ 255,000$ (25.5\%)
$\$ 745,000$ (74.5\%)

Without M.E.
\$ 959,460
\$ 249,050 (25.95\%)
$\$ 710,410 \quad$ (74.05\%)

- Your new product addition in this case loses $\$ 34,590$ in margin
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## Predator Menu Items


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## Food Cost Take Away

- Menu Engineering
- Develop a menu that gets you to your food cost goal
- Develop a partnership with your main grocer
- Ensure you are getting the best quality product for the fairest price
- Cost analysis sheet on every item
- Develop a cohesive inventory team
- Ensure counts are sheet to shelf
- Action plan on high dollar items
- Employee awareness
- Training, Training and more Training
- Daily counts on high dollar proteins
- Record waste
- Proper shift line checks to ensure quality, yields and portioning sizes
- Positive reinforcement
- Recognize and reward good behaviors
- Accountability
- Hold team accountable for ALL basics
- Bottom line it's been my experience that when an operation is struggling with food cost it is usually because they are not following the BASICS!!


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## Labor Management

"Its all About the People"

- Culture - Recognize and reward - performance based
- Recruiting - The best of the best
- Training - operations excellence
- Development - knowledge is power
- Retention - productivity - recruiting issue or retention issue


## Labor Management

Actions to reduce labor cost

- "Write the correct people plan (team schedule)"
- Correct staffing levels
- Use a labor management software
- Forecast sales - seasonality - this is a must
- Schedule for peak and nonpeak sales - staff for sales
- Stagger in and out shifts - set labor management program


## Labor Management

## Actions to reduce labor cost

- Weekly payroll audits
- Utilize POS - every hour - labor cost divided by same timeframe sales
- Improve operations - break down the barriers
- Monitor overtime hours
- Cross train teams
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## Bottom Line

- Develop a menu that allows you to achieve your overall food cost goal
- Utilize updated recipe cards for each menu item.
- Ensure you are using menu engineering to maximize profits.
- Create a culture where your teams care about the success of your business.
- Implement and maintain the five basic areas of food cost control:
- People - Culture
- Purchasing / Ordering
- Receiving
- Storing and Issuing
- Production


## Bottom Line

- Recognize and reward your team for following good food and labor cost practices.
- Manage all aspects of labor
- People
- Forecasting
- The art of Schedule Writing
- Accountability - Audits, OT, productivity
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## Thank you!



