

California State Board of Food and Agriculture

Sustainability and the Food System

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Presented by

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Background

- 30 years in the Food Manufacturing and Marketing industry
- 4 Years as the Director – Applied Sustainability at General Mills
- Co-Chairman – Food Waste Reduction Alliance
- Founder – The Branham Group
 - Food Waste and Hunger Mitigation organization

Discussion

- Corporate America and Sustainability
- Surplus Agriculture Rescue



Corporate America and Sustainability

Where sustainability reside in corporate America:

Marketing

Packaging

Corp Comm.

HR

Foundations

Brands

Supply Chain

- Energy
- GHG
- Water use
- Waste

Sourcing (examples)

Sustainable Cocoa Initiative (Mars)
Sustainable Agriculture (Nestle')
Zero Waste Initiative (Walmart)
Sustainable Palm Oil (Kellogg's)

Corporate America and Sustainability

- Profits
 - Cost Saving
 - Consumer marketing
- People
 - Cultural benefit
 - Recruiting
 - Retention
- Planet
 - Corporate Social Responsibility
 - Sourcing competitive advantage

Corporate America and Sustainability

What is the opportunity?

1. Engagement
2. Support of core sustainability initiatives
3. Collaboration

Agriculture Excess

What are we talking about?

| <u>Category</u> | <u>Total (lbs)</u> | <u>Harvested (unsold)</u> | <u>Unharvested</u> |
|-----------------|--------------------|---------------------------|--------------------|
| Vegetables | 120 Billion | n/a (est. 5+ billion) | 3 billion |
| Fruits | 60 Billion | 60 Million | 200 Million |

Top opportunity states:

California

Georgia

Texas

Florida

Washington

North Dakota

New York

Idaho

Wisconsin

Hunger in America

Over 50 Million Americans do not have dependable, consistent access to enough food due to limited money and resources



our kids



the elderly



rural America

- 1 in 5 children does not have enough to eat
- The elderly are the fastest growing at-risk group
- Rural and farm communities over-index on poverty and food insecurity
- **The people of California over-index (108) in food insecurity**

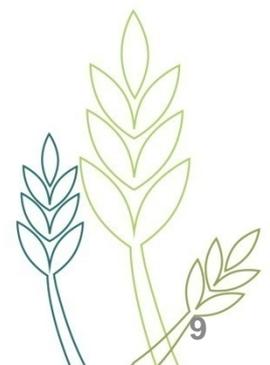
Agricultural Surplus Rescue

Historically, federal commodities & manufacturer donations have driven the largest number of meals nationally for the emergency food system, but this situation is changing rapidly.

We cannot meet the hunger needs in California and nationally without a strong agricultural surplus rescue program

Produce from agricultural surplus is projected to be the biggest driver of growth of emergency food nationally

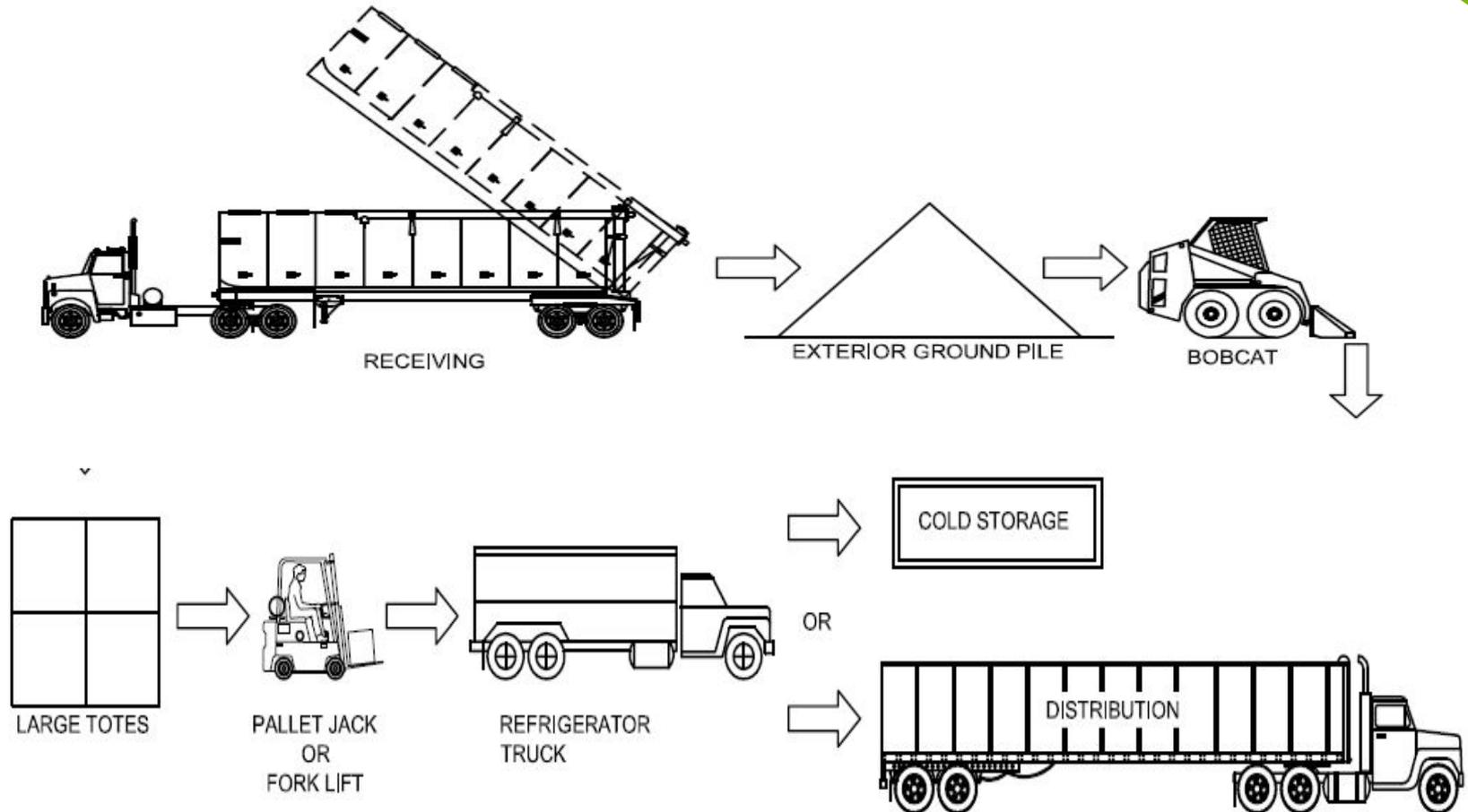
| Channel | '06-'11 growth | '10-'15 projected growth |
|----------------|----------------|--------------------------|
| Produce | +10% | +17% |
| Purchasing | +17% | +3% |
| Retail | +18% | +12% |
| Manufacturer | (3%) | (3%) |
| Federal Govn't | +16% | (4%) |



Rescue Process Considerations

- Partners (e.g. Cargill, Supervalu, Second Harvest)
- Speed of process
- Food safety
- Safety of on-site work force
- Opportunity of surplus distribution into network

Rescue Process Sketch



Year 1 Pilot Learning Summary

- Weather impacts on harvest schedule and quantities is the primary factor in the surplus rescue equation
- Skilled labor with experience on process equipment is a requirement for efficient and effective execution
- The ability to move the surplus crop into the food bank network quickly is a critical element in quality control

Corn unloaded onto working area slab



30 foot truck dropping 50,000 pounds of freshly-harvested corn

Loading corn with industrial machinery



Bobcat used to scope corn off the work area (concrete slab)

Filing the assembled totes with corn



Bobcat used to load 800+ pounds of corn per tote. 2 – 3 man effort.

Loading totes onto refrigerated truck



**Each load from the lift approx. 1,650 pounds. 2 man effort to load truck.
There is acute danger in this part of the process.**

Surplus Agriculture Rescue

What is the opportunity?

1. Engagement with current Food Bank programs
2. Outreach to the California Agriculture community
3. Prioritization

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