

# How to Achieve A Zero Waste Food Service Department

November 16, 2013 1:30-2:30

Billy Reid, Director II, Child Nutrition Services,  
Salida Union School District





# District Overview

- Small school district in an agricultural community
- Four schools, three elementary, one middle school
- Total enrollment approximately 2,800

# Child Nutrition Services Department Overview

- Breakfast served daily, approximately 2,000
- Lunch served daily, approximately 5,000
- Multiple contracted and vended sites throughout the county
- Recipient of seven Gold Award of Distinction from the Healthy US Schools Challenge
- First school district in California to receive such an award
- Currently the only school district in California where every school is a gold distinction winner





# THE END RESULT



The entire waste for 1 school for 1 day after using this method.



# How it's Done

- Step 1- Styrofoam Melting
- Step 2- Cardboard/Plastic/Tin Can Baling
- Step 3- Closed Coupled Pulping/Hydro-Extraction
- Step 4- Dehydration



# Step 1- Styrofoam Melting

- Common misconception is that Styrofoam has to sit in the landfill forever. **WRONG!**
- With the new melting technology, polystyrene and Styrofoam does not have to go to the landfill, is **100%** recyclable, and if processed in enough quantity may reduce our dependence on foreign oil.





# Before- During- After



# Cardboard = Cash



=







# Step 2- Cardboard/Plastic/Tin Can Baling

- For a minimal investment you can bale your own cardboard and even plastic and tin.
- You have now created a new revenue stream.
- Most ROI's are about 12 months.

# Step 3- Closed Coupled Pulping/Hydro-Extraction

- Closed coupled pulping/hydro-extraction will show you an 85% reduction in volume.





# Step 4- Dehydration

Mix this with five parts soil for an amazing fertilizer/soil amendment.

No composting needed.



# Common Misconceptions

- Styrofoam is bad.
- Washing your own trays is the most cost effective method.
- Biodegradable trays are recyclable.
- Going green costs money.
- Zero waste is unattainable.





# A Proven Method

- This recycling method will:
  - Generate revenue and save money. Approximately \$15,000 per site per year.
  - Provide great teaching moments for children.
  - Send ZERO waste to the landfill.
  - **HELP OUR PLANET HEAL.**



Thank You

Billy Reid, Director II, Child Nutrition

Salida Union School District