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Markets

- Grocery
- University
- Medical
- Food Processor
- Cash & Carry
- Retail
- Converting
- Foodservice
- Distribution
- Institutional
- Hospitality
- Wine & Spirits
- E-Commerce
- Construction
- Convenience
- Concessions
- Industrial
- On Demand
- Lawn & Garden
Foodservice
~19% Recycled Plastic, ~48% Recycled paper
Compostability
State of Composting in the US

- ~4900+ composting facilities in the US
- 70% yard trimmings
- 7% food waste

**Goal:** Increase the number of facilities that will accept food packaging

https://www.biocycle.net/2014/07/16/state-of-composting-in-the-u-s/
US Compostable Standards

- **ASTM**-American Society for Testing and Materials
  - 6400- Labeling of Plastics Designed to be Aerobically Composted in municipal or Industrial Facilities
  - 6868- Standard Specification for Labeling of End Items that Incorporate Plastics and Polymers as Coatings or Additives with Paper and Other Substrates Designed to be Aerobically Composted in Municipal or Industrial Facilities
  - Tests end product- components less than 1% of the structure do not need to be tested separately
  - Certification

- **BPI**- Biodegradable Products Institute
  - Requires of individual components to be compostable
  - Certification

- **CMA**- Compost Manufacturing Alliance
  - Includes Cedar Grove
  - Approves for composting- is not a “certification”
Composting Technologies

All methods are not created equal

https://compostmanufacturingalliance.com
Challenges with Food Packaging

- **Plastics**
  - Pass ASTM and Cedar Grove- not BPI
  - Adhesives are a challenge

- **Paper**
  - Paper mixed substrate
    - Wax coated
    - 2 ply lamination
    - Paper/poly lamination
  - BPI- not Cedar Grove

- **Molded Fiber**
  - Products with FDA approved fluorochemical (PFAS) grease (OGR) barriers will not be accepted by BPI or CMA starting Jan 2020
Development areas

• Continue to....
  – work with composters to accept food packaging
  – develop products (plastic and paper) that will deliver on consumer needs and meet compostable standards
  – develop PFAS alternatives for compostable markets
  – educate on zero waste events and waste diversion

Zero Waste event example:
Less than 1lb of landfill waste
Approx. 150 lbs organic waste
Approx. 75 lbs glass and aluminum