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Closing the Loop on Paper Foodservice Packaging

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Coalition for Resource Recovery

www.thecorr.org



Global Green USA's Coalition for Resource Recovery

www.thecorr.org

- Industry working group dedicated to transforming waste into assets.
- Conduct pilots to identify and accelerate development of scalable, transferable waste diversion programs and technologies.

COALITION *for* RESOURCE RECOVERY



Food: 1,100
Tons/day

Fiber: 700
Tons/day

Plastic: 300
Tons/day

Metal: 100
Tons/day

Glass: 70
Tons/day

Food Waste



Wholesale



Food Packaging



Beverage Containers



Plastic Bags



NYC Opportunity

15,000 tons/day

Restaurant & Retail

2,400 tons/day

CoRR's Programs

A Coalition of Members

Action Carting

BASF

Bemis

Chemol

Clean River
Systems

DBB Partners

Design & Source

Dow Corning

Duro Bag

HAVI Global
Solutions

International
Paper

Interstate
Container

LBP
Manufacturing

PepsiCo

Pratt Industries

Pratt Institute

Pret A Manger

Smurfit-Stone

Solo Cup Co.

Spectra-Kote

Starbucks

Transtech, Inc.

Ulterion

Waste

Management

Western

Michigan Univ.



Paper Foodservice
Packaging Recycling
Initiative Overarching Goal:

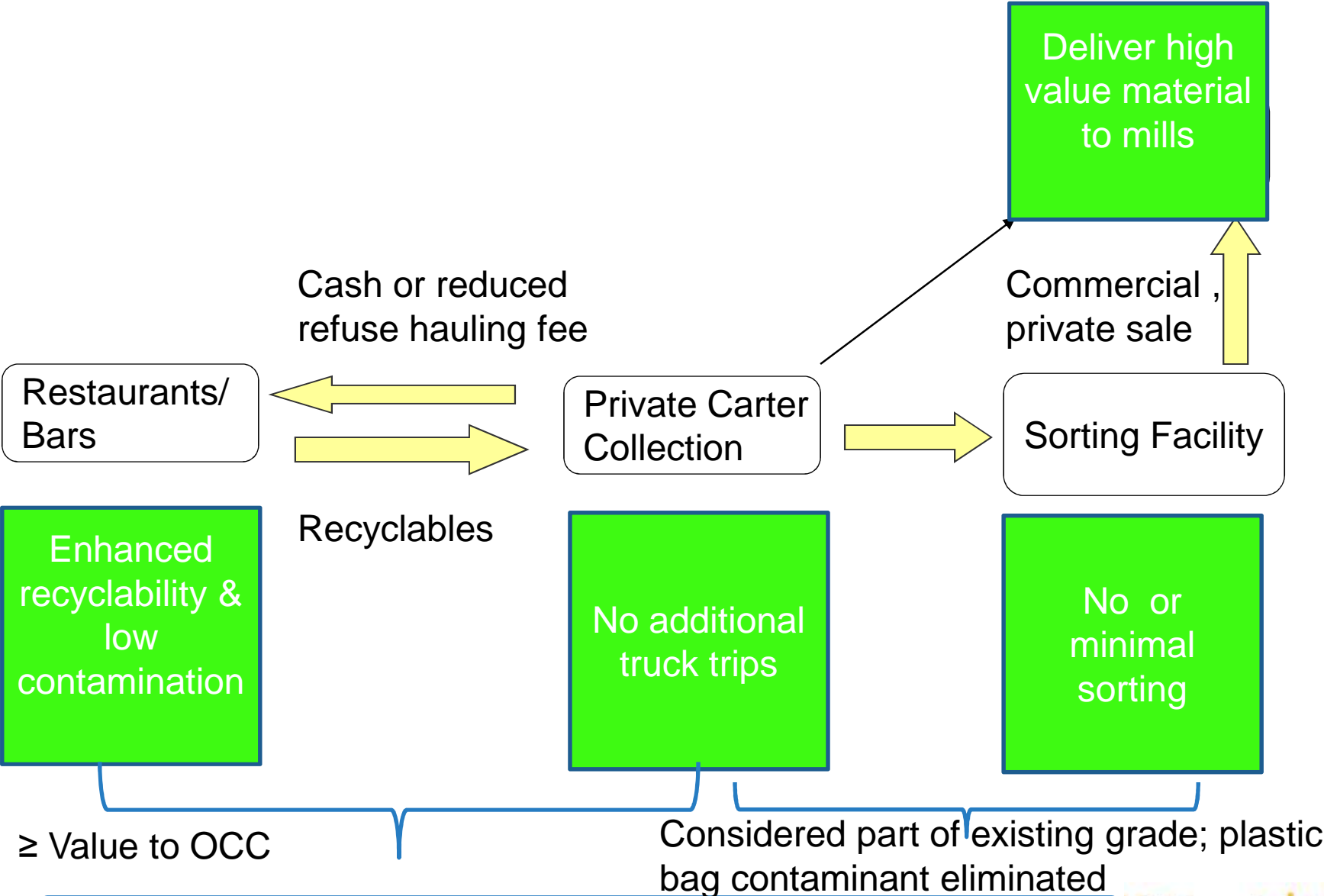
Recycle paper foodservice
packaging into valuable,
high-quality materials

Targeted Waste Stream: Paper Food Packaging U.S Discards

Paper Product Category	2009 Discarded Tons
Paper Plates & Cups	1,170,000
Folding Cartons	2,490,000
Bags & Sacks	460,000
Total	4,100,000

EPA Municipal Solid Waste 2009 Facts and Figures

Transforming Problem into Design Criteria



Initial Concept Tested through NYC Pilots

- Paper packaging pre-screened for recyclability
- Restaurants bag their spent paper food packaging in 100% recycled content paper bags
- Bags of spent packaging are collected and recycled with its old corrugated cardboard (OCC)
- The benefit: Reduced waste costs for restaurants, valuable fiber added to recycling stream, and a net greenhouse gas benefit.

Material Pre-Screen



In-Store Design



Collect with OCC



Recycle



- Post-consumer material collected utilized for mill tests for a variety of end markets, including:
 - Medium
 - Linerboard
 - Deinked pulp
 - Tissue
 - Folding cartons

FBA Protocol Purpose

- “To evaluate the repulpability and recyclability of moisture barrier treatments or coatings applied to liners or combined corrugated board in an effort to establish a minimum threshold for moisture barrier treated or coated corrugated that is intended, and labeled, to be recyclable into other paper products.”

MODIFIED CORRUGATED RECYCLES SYMBOL



Text from this section of the presentation is excerpted from the FBA Protocol document: <http://www.corrugated.org/Upload/Files/WaxAlternativesStandard.pdf>

It Started With The Cup



This paper is made with 20% Starbucks cups!

Annie,

Thank you for being the first organization to explore this great opportunity to help the environment that has not been tried before. Western Michigan University appreciates your untiring efforts to help save our planet!

On behalf of WMU I would like to thank Global Green CoRR for the opportunity to be part of this! WMU looks forward to continuing the battle and sending you sheets made with clam shells, French fry boxes and all fiber based QSR packaging!

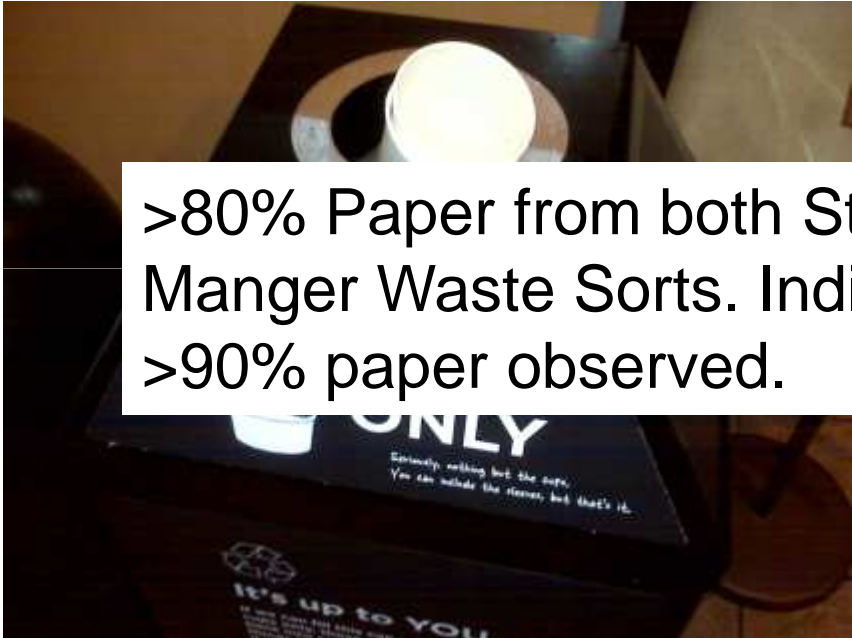
Joel Kendrick





Boxes & Cups

Starbucks & Pret A Manger In Store Tests



>80% Paper from both Starbucks & Pret A Manger Waste Sorts. Individual bags with >90% paper observed.



Food Contamination & Microbials



Utilizing
post-
consumer
material
meeting
Dairyman's
Standard



<http://www.internationalpaper.com/documents/EN/Foodservice/Intro%20to%20Cup-to-Cup%20Recycling.pdf>

Minimize Sorting & Maximize Inventory Turns

- Piggyback on existing paper grade broadly accepted
- Construct bag to carry material that eliminates need to open it.
- Initiatives underway to optimize sorting at single stream facilities when sorting is needed.



Mill Interest

- Tissue, containerboard, deinked pulp, and other emerging processes all are requesting feedstock for mill trials.
- The bottle neck is material for the test.



Fall 2011

**150 Store, 5 Brand, 7
Packaging Type Test
in New York City**



What we need from you

- Recyclable packaging, specifically, a cold cup
- Mills interested in testing material
- Join CoRR and get involved

Upcoming Events

- June 7th – Members' Food Packaging Meeting
- Summer 2011 – Recyclable Wholesale Transfer Packaging: Follow that Box Field Trips
- Summer 2011 – Commercial Food Waste Recovery Meeting
- Nov. 2011 – Members' Food Packaging Meeting