



# MORA Conference

## Plastic Film Recycling Market Overview

Presented by: Jordan Tony  
September 2018



# Plastic Market Update

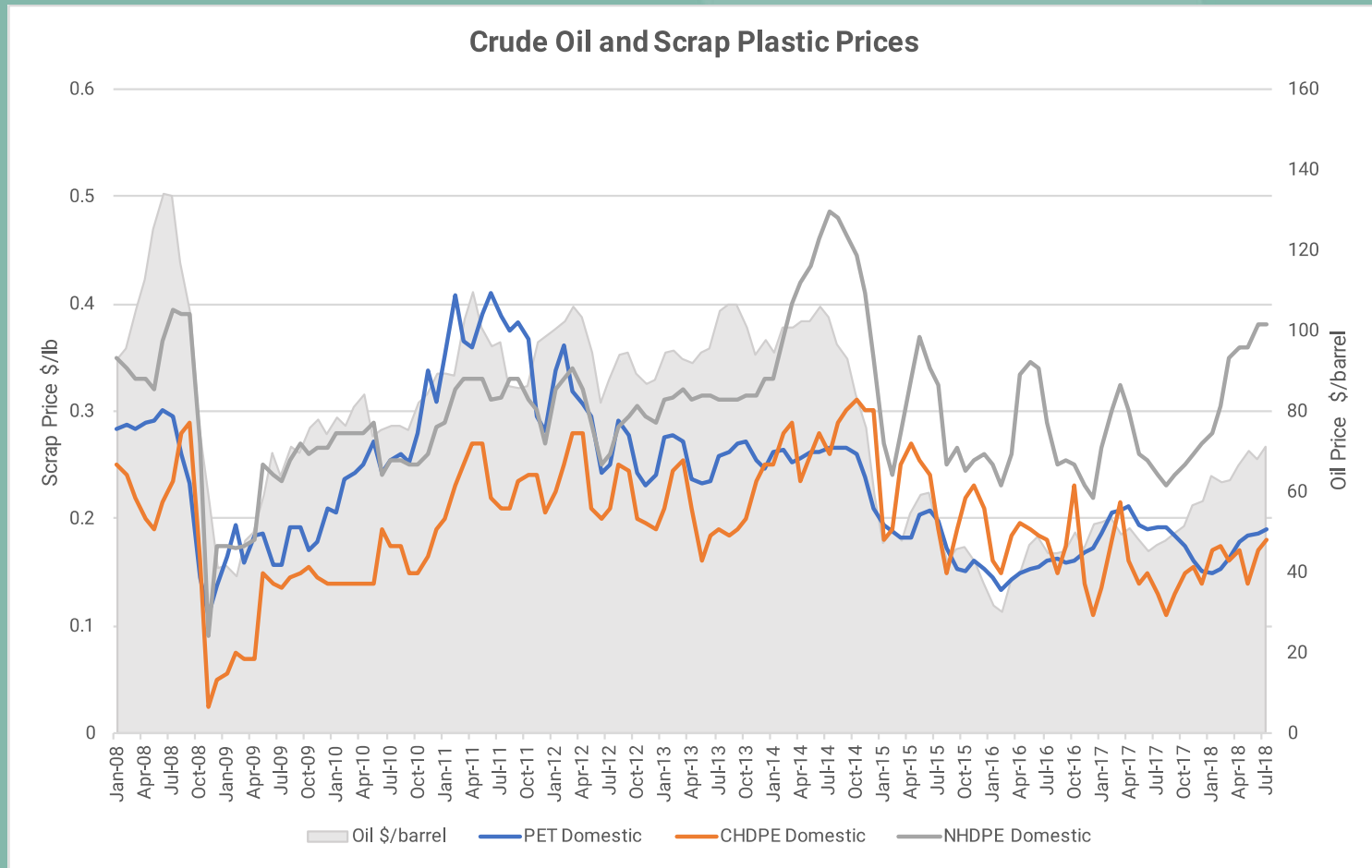
- Scrap Plastic Market Drivers
- 2016 Plastic Recycling Survey Results
- Market Challenges and Opportunities in Film Recycling

# Scrap Plastic Market Drivers

- Oil Prices
- International Politics/Policies
- Quality of Material
- Consumer Demand
- Health of Economy

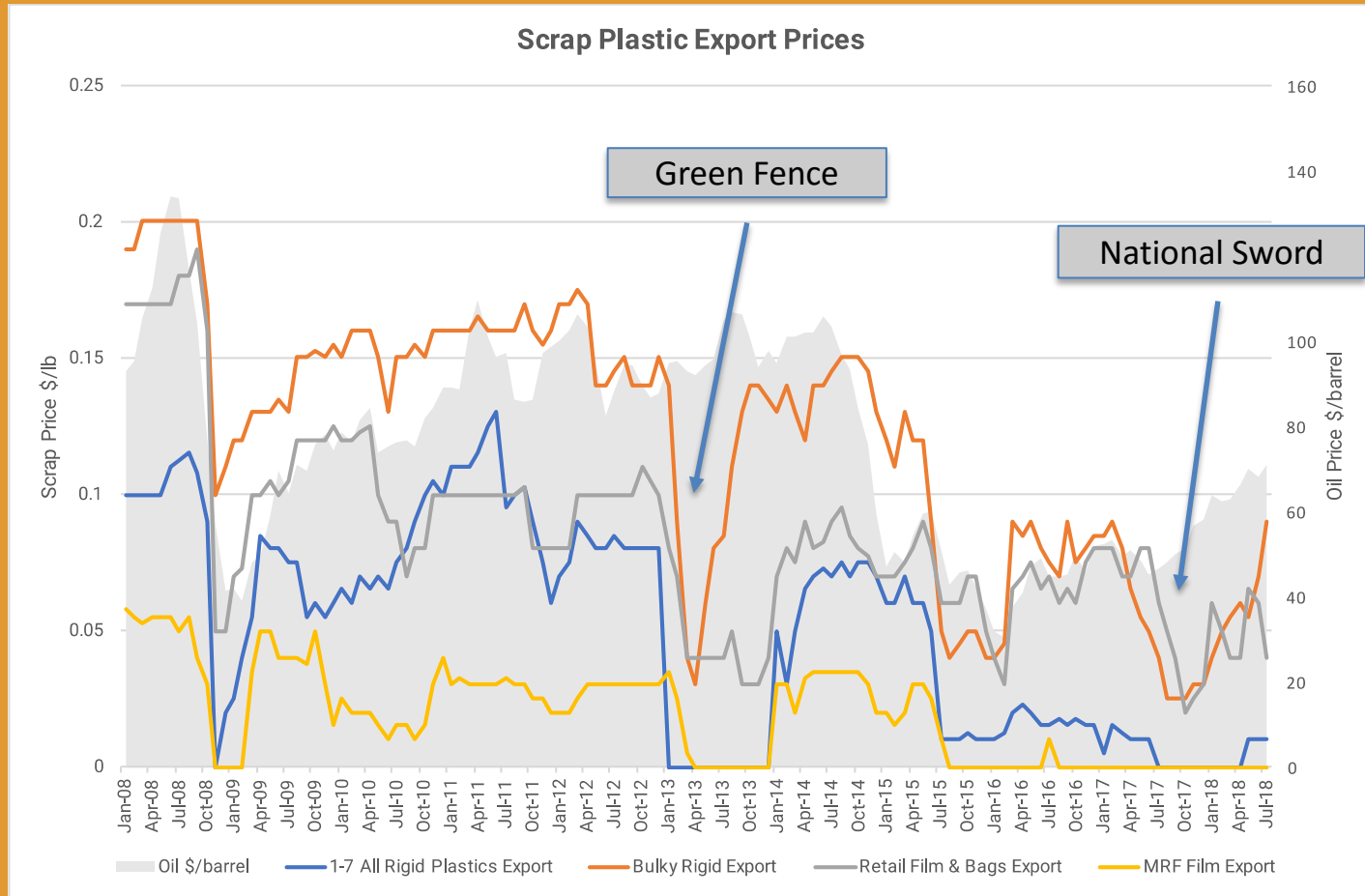
# Scrap Plastic Market Drivers

- Oil Prices (Price of Virgin Resin)



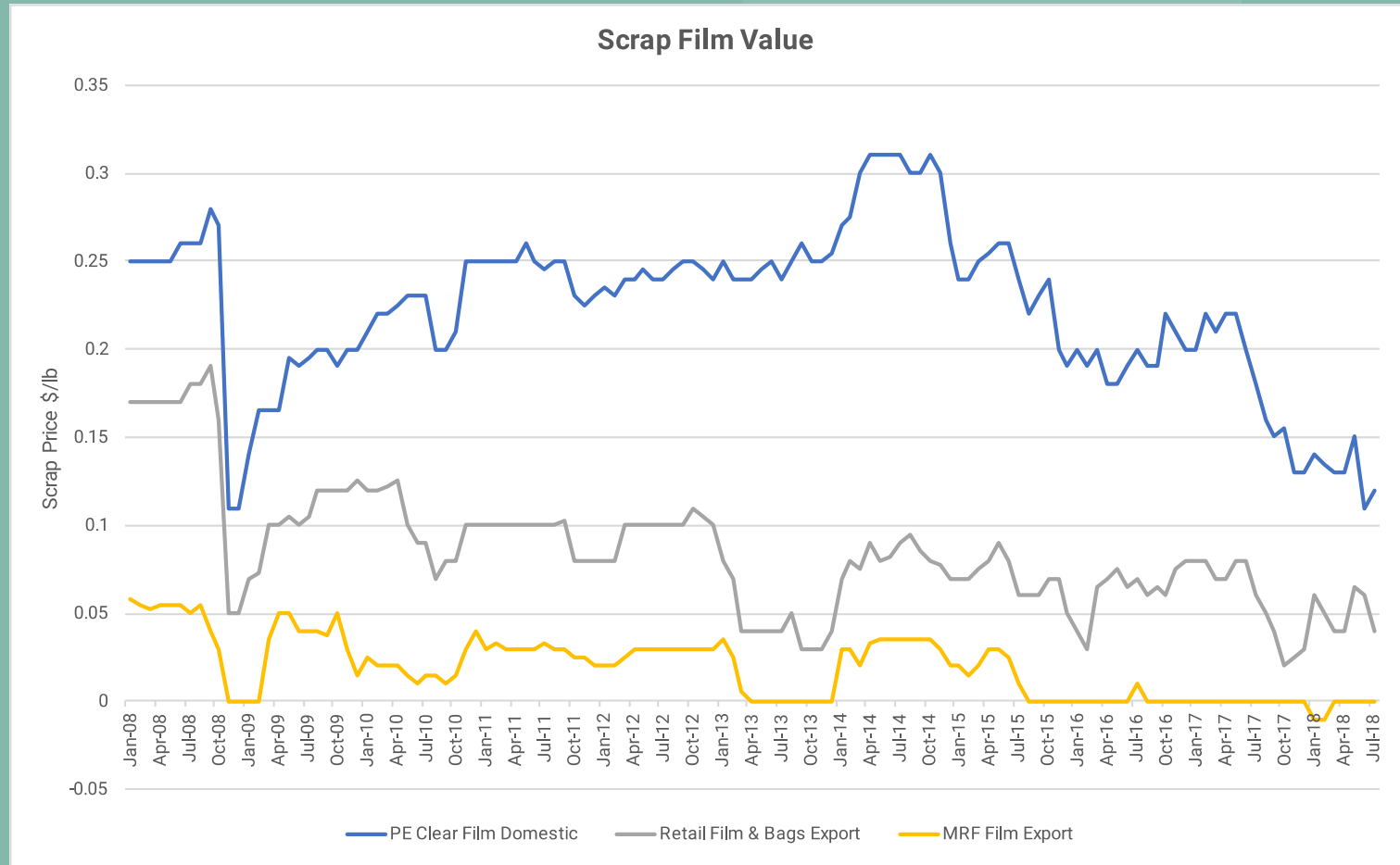
# Scrap Plastic Market Drivers

- International Policy and Politics



# Scrap Plastic Market Drivers

- Quality of Scrap Material



# Scrap Plastic Market Drivers

- Consumer Demand

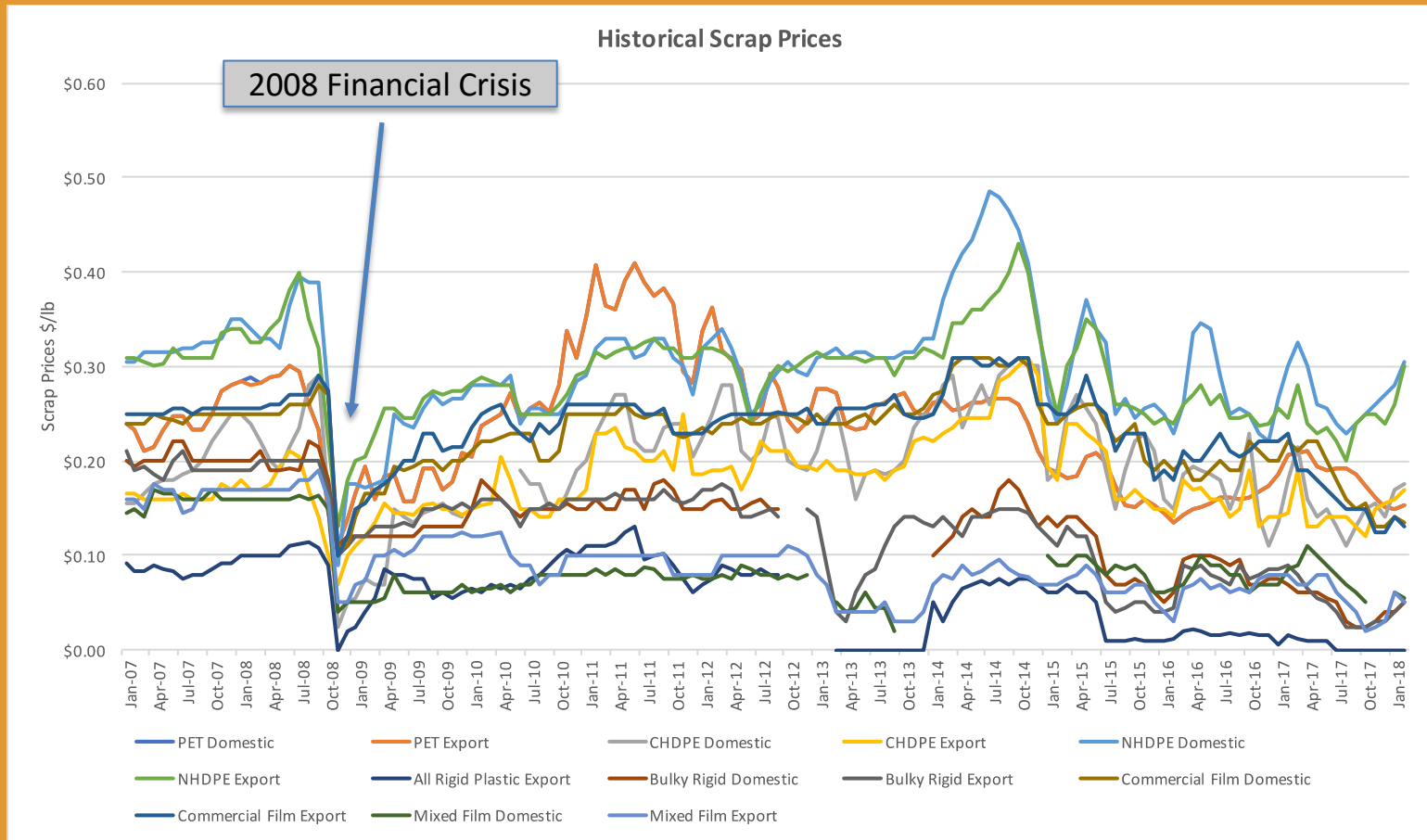


# Current Market Conditions

- Oil Prices Steady
- Export Markets Very Weak
- Increase in Corporate Commitments

# Scrap Plastic Market Drivers

- Health of Economy



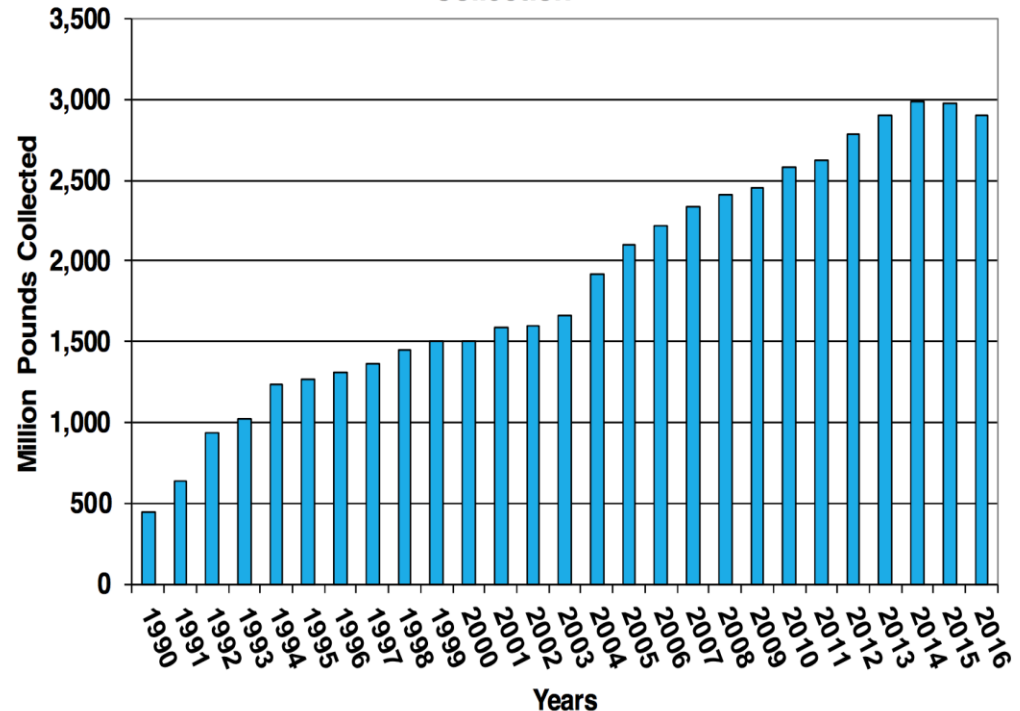
# 2016 Plastic Recycling Survey Results

- Post-consumer Plastic Bottles
- Post-consumer Non-bottle Rigid Plastic
- Post-consumer Plastic Film and Bags

# Post-consumer Plastic Bottle Results

- More single stream collection
- Evolving packaging types
- Low Scrap Prices

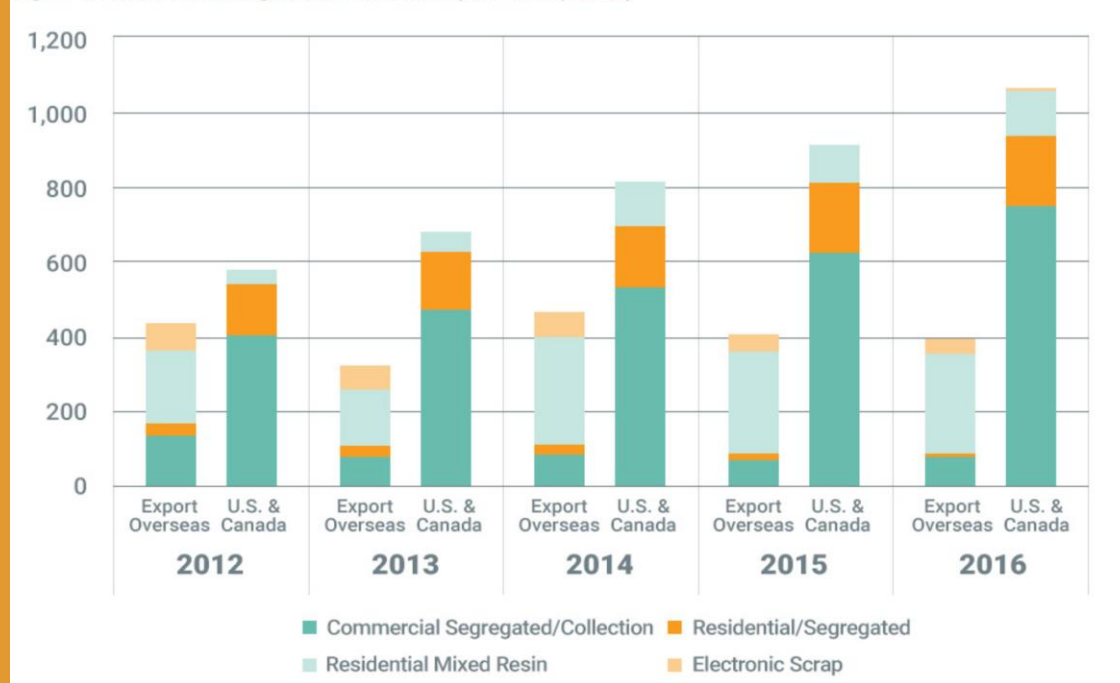
**Figure 1**  
**Growth in Postconsumer Plastic Bottle Recycling Collection**



# Post-consumer Non-bottle Plastic Results

- Export continued to decrease
- Commercial segregated domestic reclamation increased

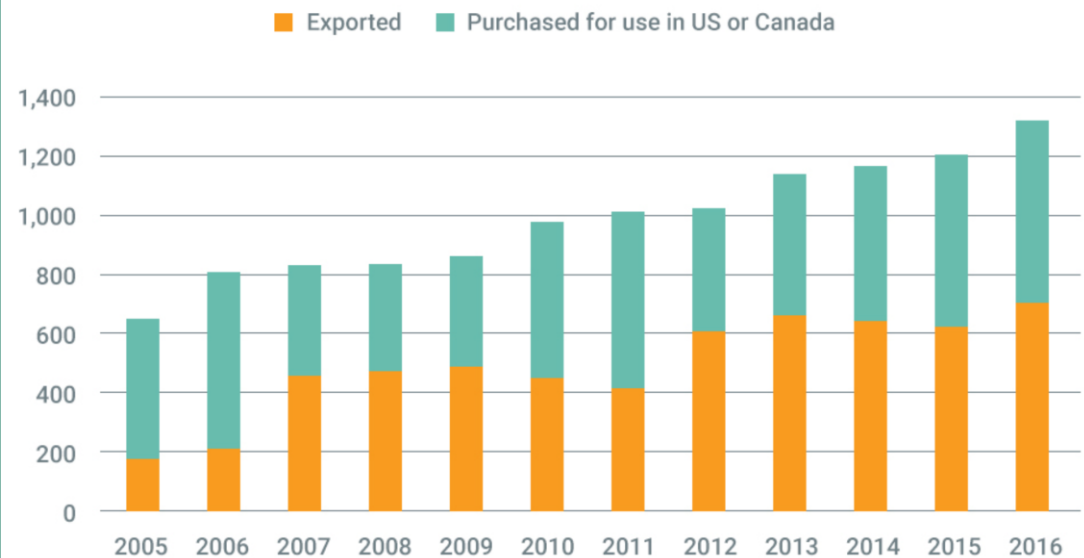
Figure 1: U.S. Non-Bottle Rigid Plastic Recovered (millions of pounds)



# Post-consumer Plastic Film and Bag Results

- Increase overall in 2016
- 53% of material was exported
- Need to see increase in domestic reclamation capacity

Table 1: U.S. Post-consumer Film Recovered (Millions of pounds)

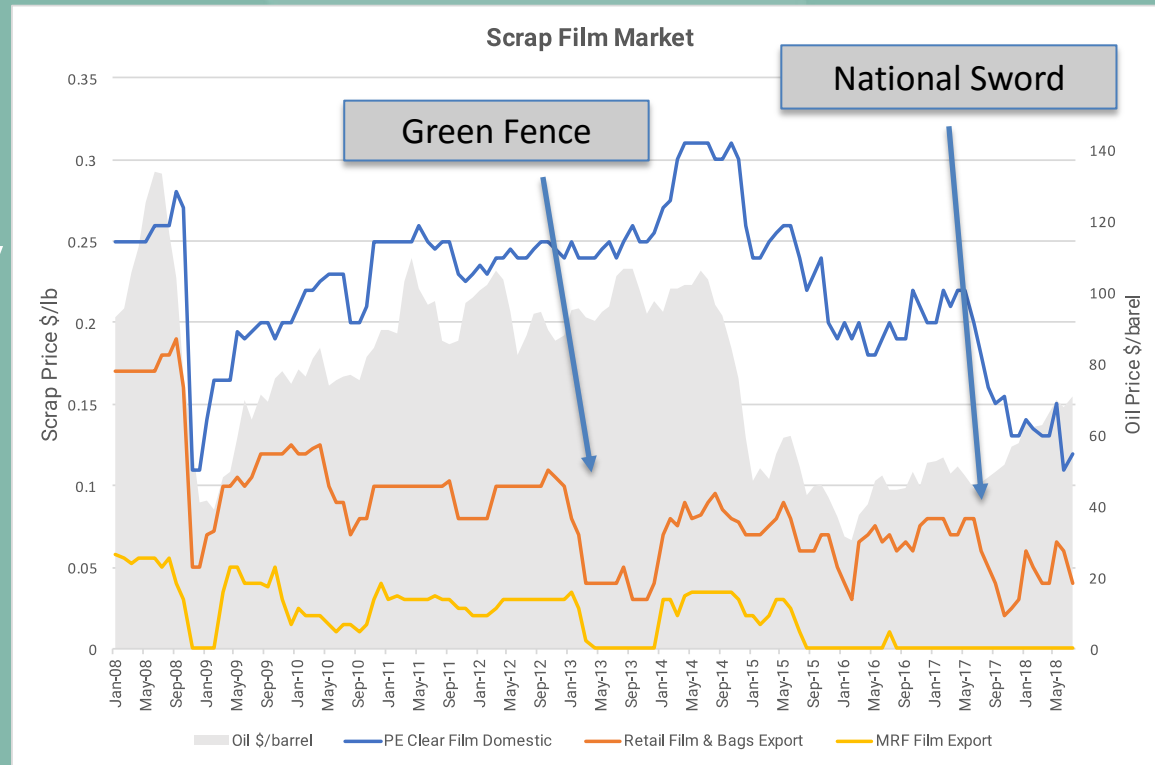


# Plastic Film and Bag Market Overview



# Scrap Film Market Overview

- Retail film and curbside film strongly affected by hit to export markets.



# Post-consumer Film Challenges

- Film causes problems at MRF
- No market for curbside film
- Participation in film drop-offs still low



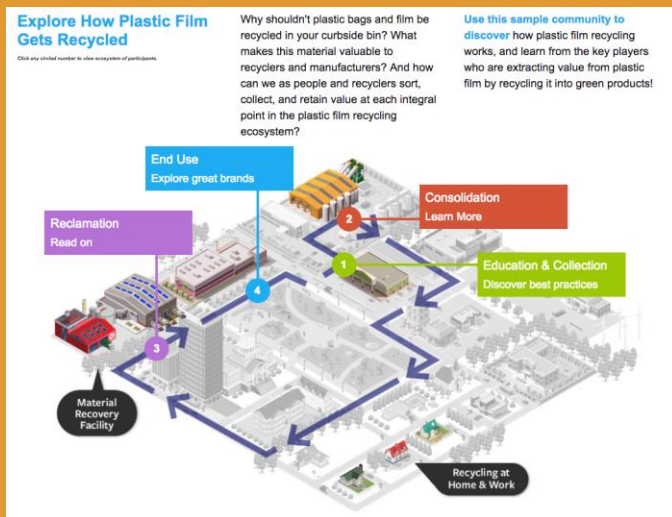
# Post-commercial Film Challenges

- Lack of collection for mid size film generators
- Need to increase demand for commercial film



# Film Market Solutions

- WRAP Recycling Action Program



bag  
plasticfilmrecycling.org  
wrap

Bags made out of plastic film →



# Film Market Solutions

- Value Chain Case Study

## 1 Education & Collection

### WHAT?

Clear education is critical to ensure quality collection of plastic bags, wraps, and film packaging found in homes and businesses. Retail and other drop-off locations provide efficient collection infrastructure for small quantities of film. Large generators, who also use film, collect it for the next stage: consolidation.

### WHO?

Home, Drop-Off, Institution, Retailer, Generator

### HOW?

[Read The Price Chopper Case Study](#)



## 2 Consolidation

### WHAT?

Consolidation is an important step to connect small generators and individual store locations, with their small volumes of material, to the bigger value chain. Plastic film is a low density material, so in order for it to be efficiently recycled, it must first be baled and consolidated in large quantities before moving to the next step: reclamation.

### WHO?

Distributor, Hauler, Intermediate Processor



# Film Market Solutions



- Film Recycler Directory

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### WHAT?

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### WHO?

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### HOW?

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# Film Market Solutions

- PlasticsMarkets.org

The screenshot displays the PlasticsMarkets.org website interface. At the top, the logo and navigation links (Tools, Announcements, Resources, Sponsors) are visible. A central banner encourages users to connect with recycled plastics buyers and suppliers, featuring a search bar with the placeholder text "Search buyer/supplier, resin, material form or company" and a magnifying glass icon. Below the banner, the "Search Results" section is active, showing filters for "Buyer", "L(L)DPE", and "Film". The results list three companies: Custom Polymers, Inc., Denton Plastics Inc, and Merlin Plastics. Each entry includes contact information and a "Get Listed" button.

**plasticsmarkets.org** Tools Announcements Resources Sponsors

Connect with Recycled Plastics Buyers and Suppliers

Search buyer/supplier, resin, material form or company

[Advanced Search >](#)

**Search Results**

Does your company process recovered plastics?  
It's free to create and maintain your company's listing. [Get Listed](#)

**REFINE YOUR RESULTS**

**Forms to search** -

- Baled
- Clean Flake or Regrind
- Densified
- Dirty Regrind/Shred
- Loose
- Pellet

**Pigment to search** -

- Clear
- Natural
- Color
- Mixed
- Black

**Company type to search** -

Displaying 128 results. Page 1 of 6 [Next >](#)

**Custom Polymers, Inc.**

700 Tuckaseegee Rd  
PO Box 220328  
Charlotte, NC 28222-0328

**CONTACT**  
Eric Targgart  
704-332-6070  
eric@custompolymers.com

**Denton Plastics Inc**

18811 NE San Rafael  
Portland, OR 97230

**CONTACT**  
Nicole Janssen  
503-257-9945  
njanssen@denplas.com

**Merlin Plastics**

**CONTACT**  
Tony Moucachen

# Film Market Solutions

- Buy Recycled Directory

More products coming soon.

Are you a consumer that knows of a product we should list?

[Share a product](#)

Are you a company that wants to feature a product?

[Submit a product](#)

BUY  
RECYCLED  
PERFORMANCE  
METER

1 —

2 —

3 —

4 —

95

PE

✓

1. Percentage made from PCR

2. Primary Type of PCR Used

3. Product Made with Multiple Materials

4. Recycled Content Certification

The **Buy Recycled Performance Meter** gives you a snapshot of a products Buy Recycled performance. With a quick glance you know what percentage of the product or the products packaging is made from recycled content, what type of plastic resin was used and whether the product has received third party Recycled Content Certification from organizations like **UL**, **SCS**, **ICC**, **GreenCircle**, and **C2C**.

Personal Care

Home Care

Building/Construction

Household Goods

Apparel

More


Have/know a product you think should be in this directory? [Share it >](#)

[Go to Business Use Products >](#)

95

HDPE

✓



Personal Care

Hair Conditioner Tube


Brand - Aveda

**AVEDA**

100

PET

✓



Personal Care

Liquid Soap Bottle

Company - Dr. Bronner's


[Visit Website](#)

Share

25

HDPE


✓



Hand Soap Bottle

Brand - Mrs. Meyers

Company - SC Johnson




[Visit Website](#)

Share

30

PE

✓




Home Care

Shout Stain Remover Bottle

Brand - Shout

Company - SC Johnson



[Visit Website](#)

Share

**MORE**  
RECYCLING

# Film Market Solutions

## 6 BILLION POUNDS: TOTAL WEIGHT OF PE USED IN ANNUALLY IN U.S. TRASH BAG PRODUCTION

The impact if different levels of PCR were used in the sector:

PCR level	Pounds of recycled resin needed	Portion of total volume of PE currently reclaimed in U.S.	Metric tons of CO2 equivalent avoided
10 percent	600 million	32 percent	270,276 (equal to emissions of roughly 58,000 cars in one year)
30 percent	1.8 billion	95 percent	810,828 (equal to 173,000 cars)
70 percent	4.2 billion	222 percent	1,891,831 (equal to 403,000 cars)
97 percent	5.8 billion	308 percent	2,621,277 (equal to 558,000 cars)

*Numbers were tabulated by More Recycling using information from several private reports as well as the U.S. EPA's WARM calculator and extrapolation of California's most recent waste characterization study.*

*Data sort is produced each quarter by More Recycling. For additional information, go to [morerecycling.com](http://morerecycling.com)*

# Resources

PlasticsMarkets.org

Connects Suppliers & Buyers of All Types of Scrap Plastic

PlasticFilmRecycling.org

Educate and Facilitate Film Recycling

RecycleMorePlastic.org

Resources to Grow Recycling of All Types of Plastic

MoreRecycling.com

Annual Reports and Publications



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[Jordan@MoreRecycling.com](mailto:Jordan@MoreRecycling.com)  
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