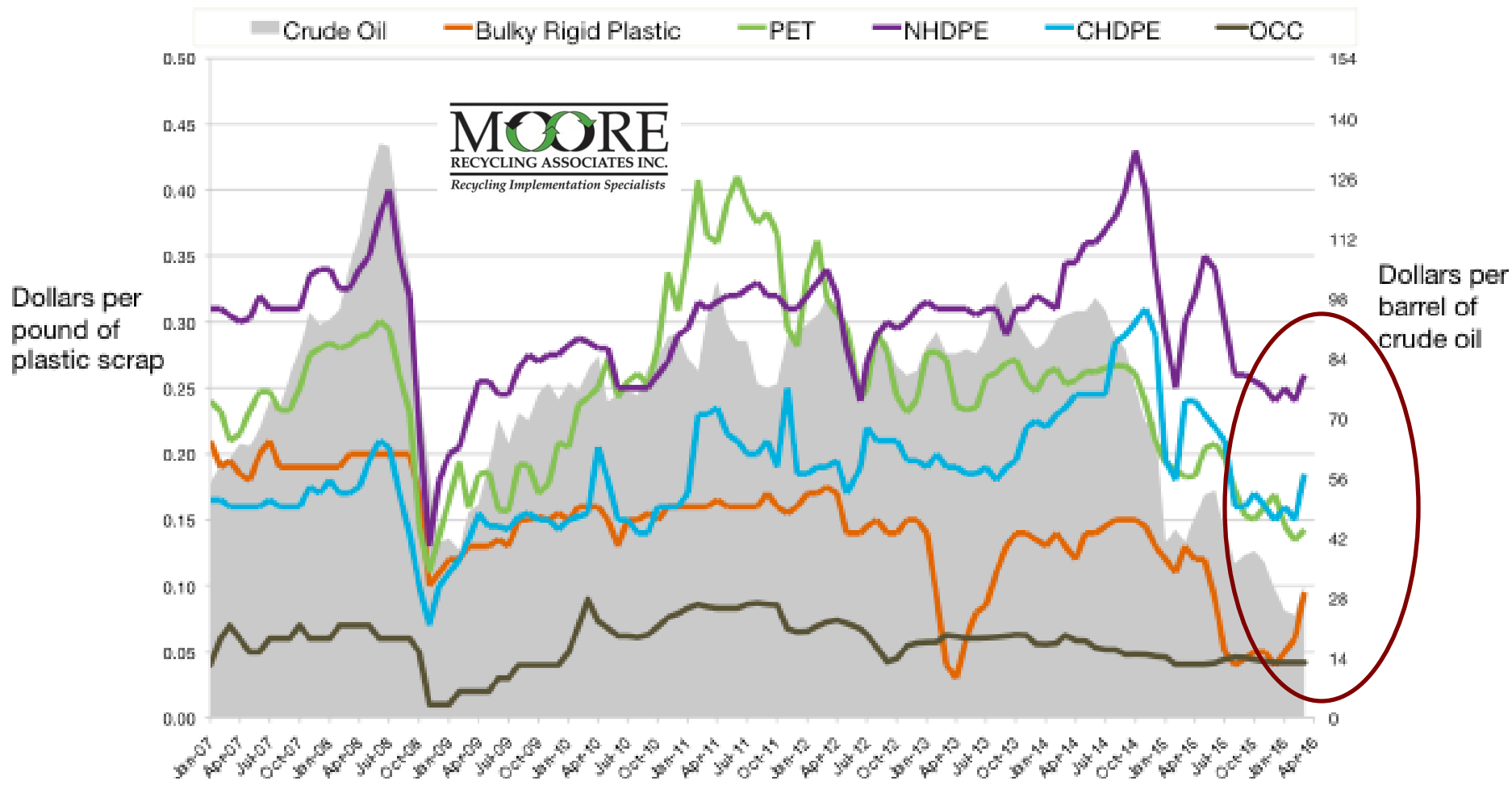




Patty Moore, Moore Recycling Associates Inc

# PLASTIC MARKET UPDATE

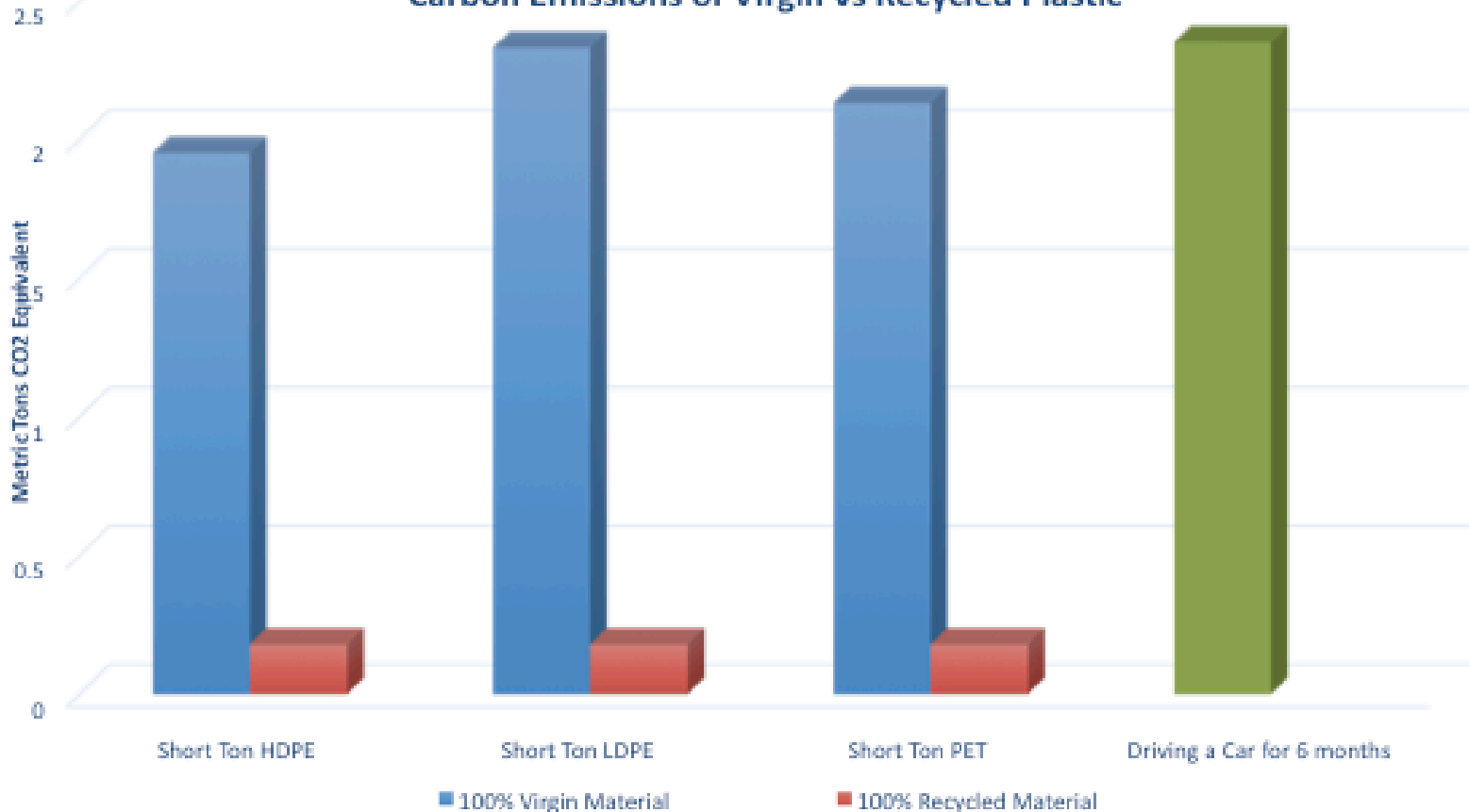
# Historical Plastic Scrap Price vs Oil 2007 to-date





Better Times Are Coming!

### Carbon Emissions of Virgin vs Recycled Plastic



Data source: EPA Waste Reduction Model (IWARM)



Declaration of  
the Global Plastics Associations  
for Solutions on Marine Litter



[www.marinedebrisolutions.org/global](http://www.marinedebrisolutions.org/global)

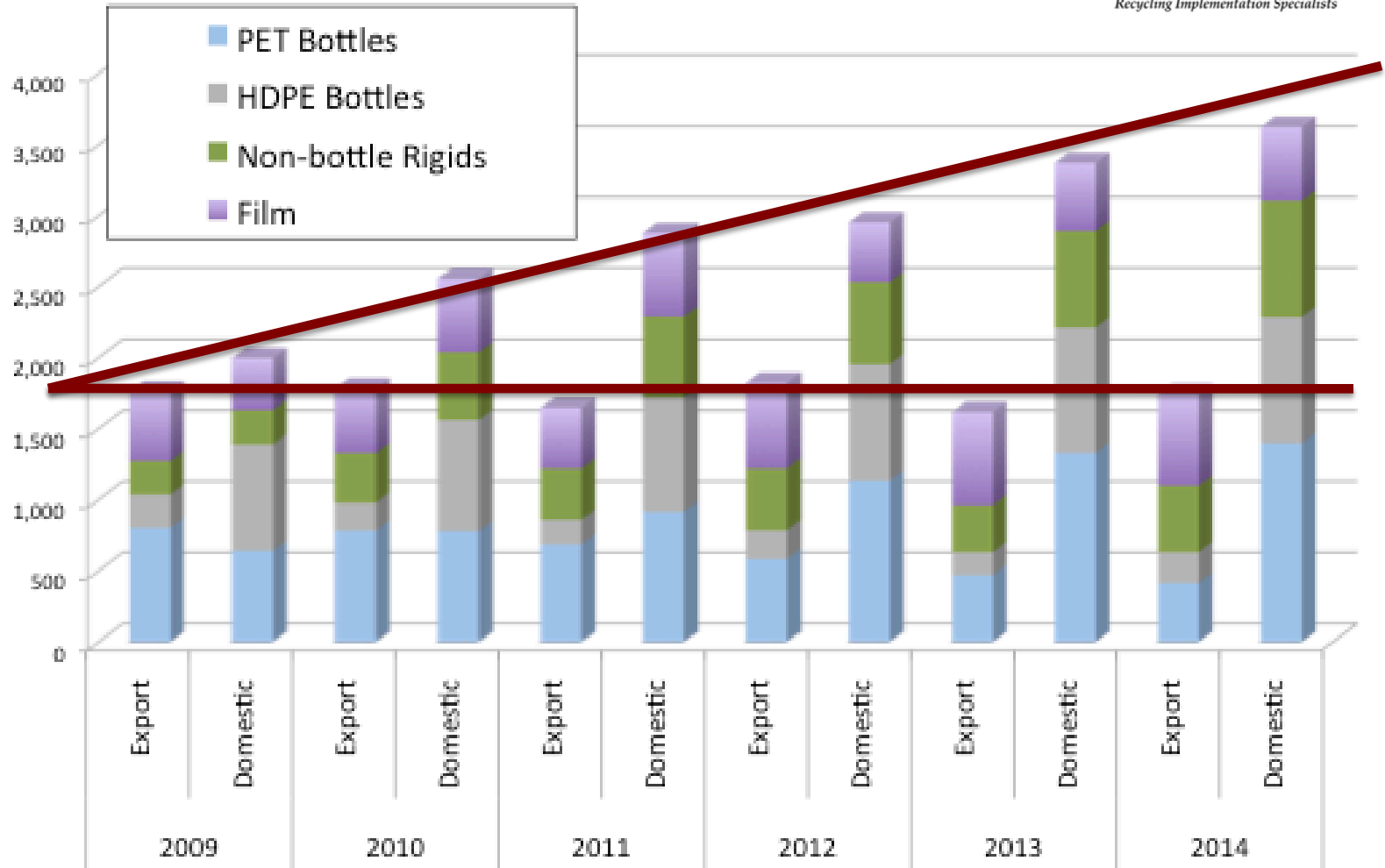
 **Plastics**  
The Material for the 21st Century

## Declaration for Solutions on Marine Debris

- Announced at UN/NOAA Marine Debris Conference, March 2011
- Six-point strategy for industry action
- Advocates close cooperation with range of stakeholders to create solutions
- >60 associations from 34 countries
- 185 projects since launch in 2011

# U.S. Postconsumer Plastic Recycling

in millions of pounds





# PLASTIC COMMODITIES

PET Bottles and Non-Bottles

HDPE Bottles

Rigid Non-Bottles

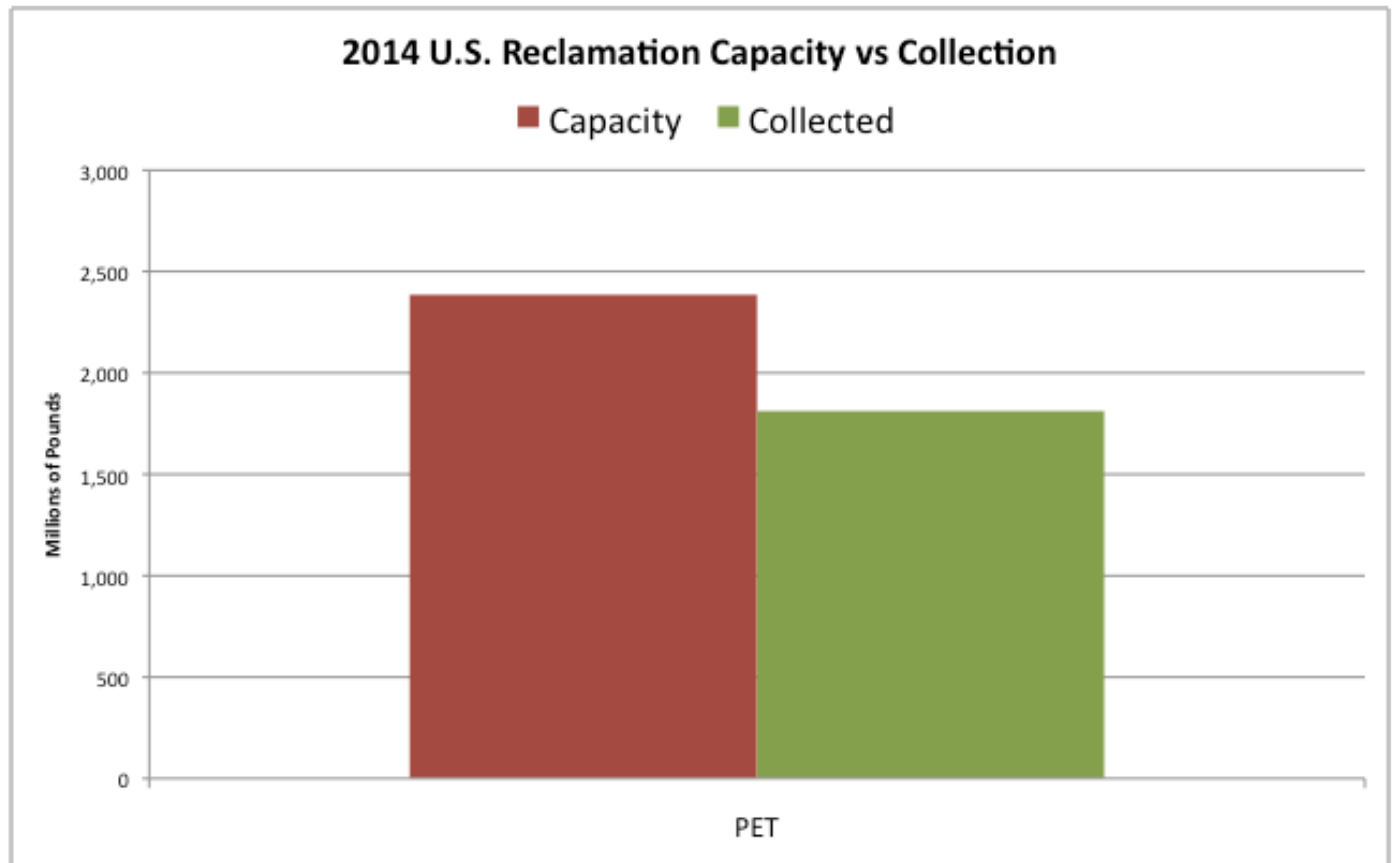
Film

Foam



# PET

✻ US reclamation capacity still growing







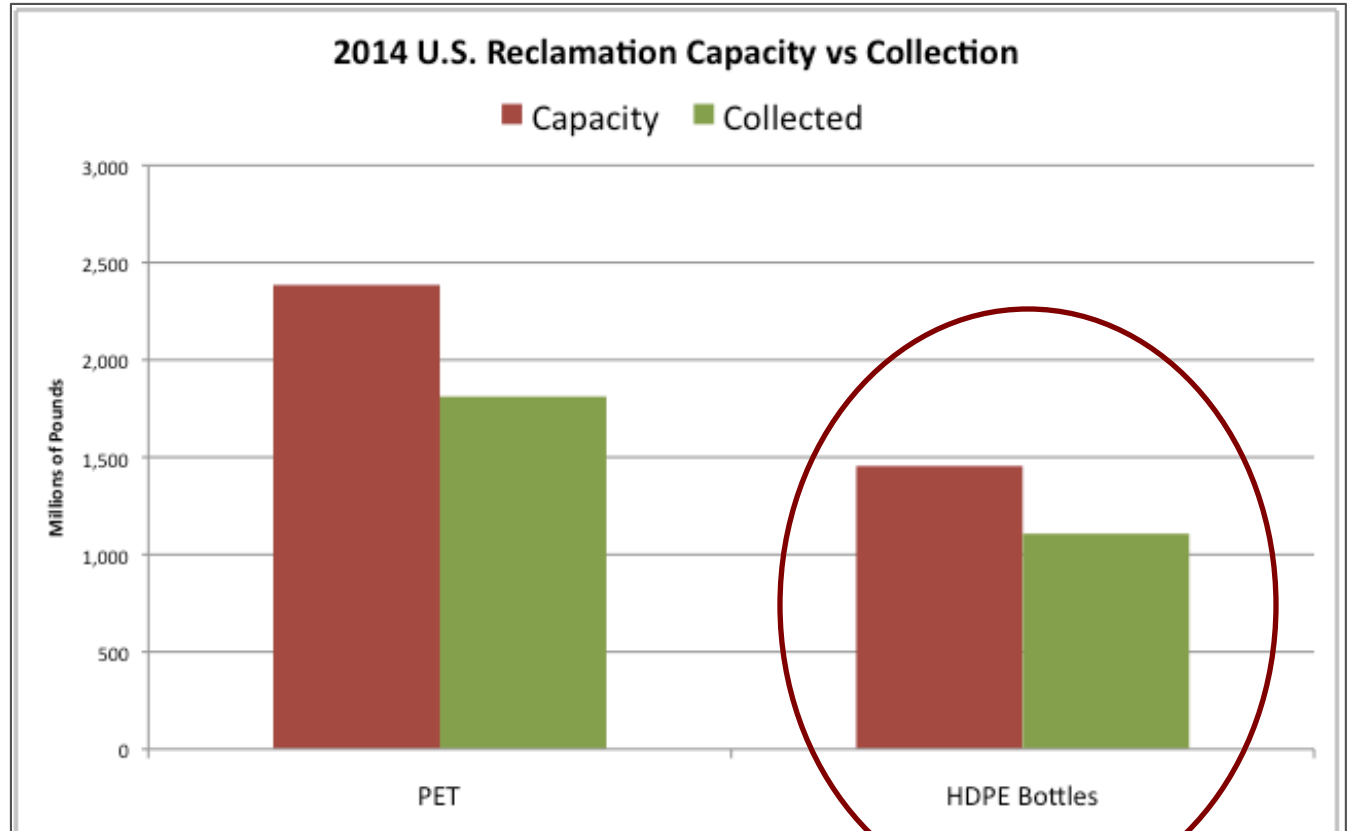
# PET

- ✦ Bale quality: ability to enforce bale specifications  
APR / NAPCOR developed grades & bale audit test methods
- ✦ PET thermoform issues  
Contamination with labels, inks and glues



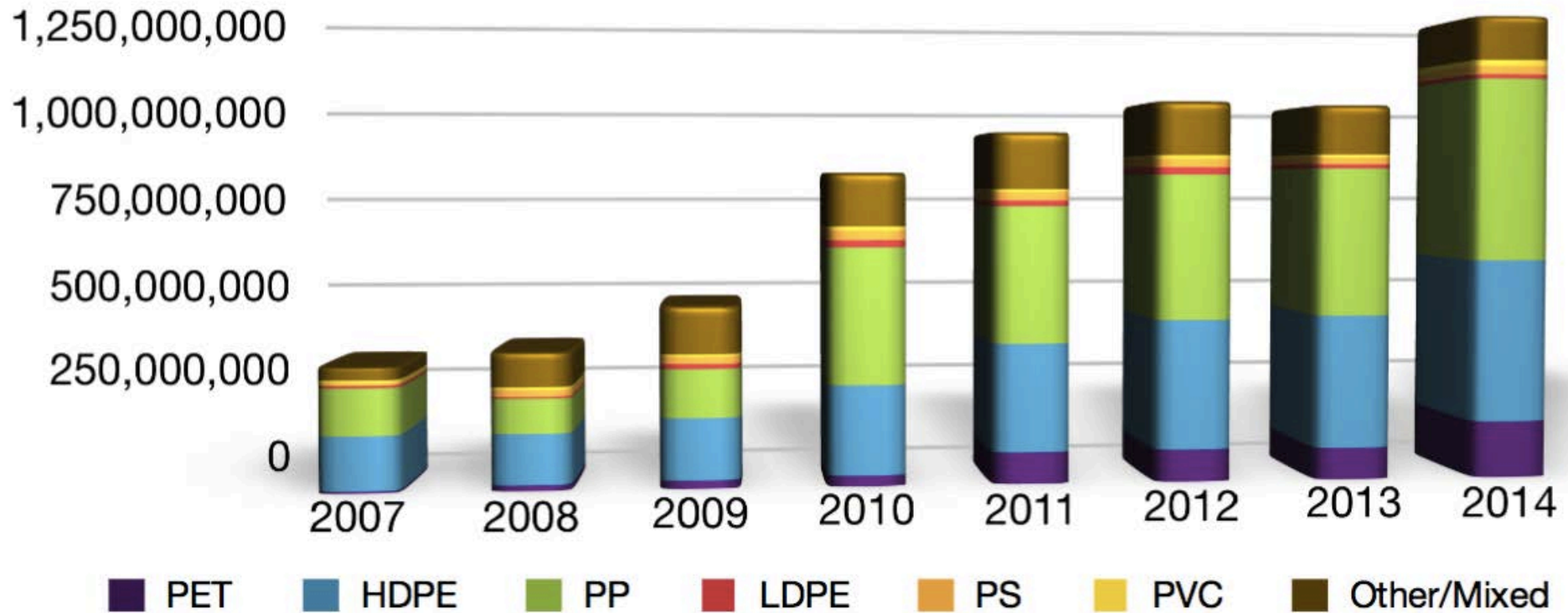
# HDPE Bottles

- ✦ HDPE bottle sales stagnant:  
35B in 2006 — 33B in 2014
- ✦ US supply vs reclamation capacity

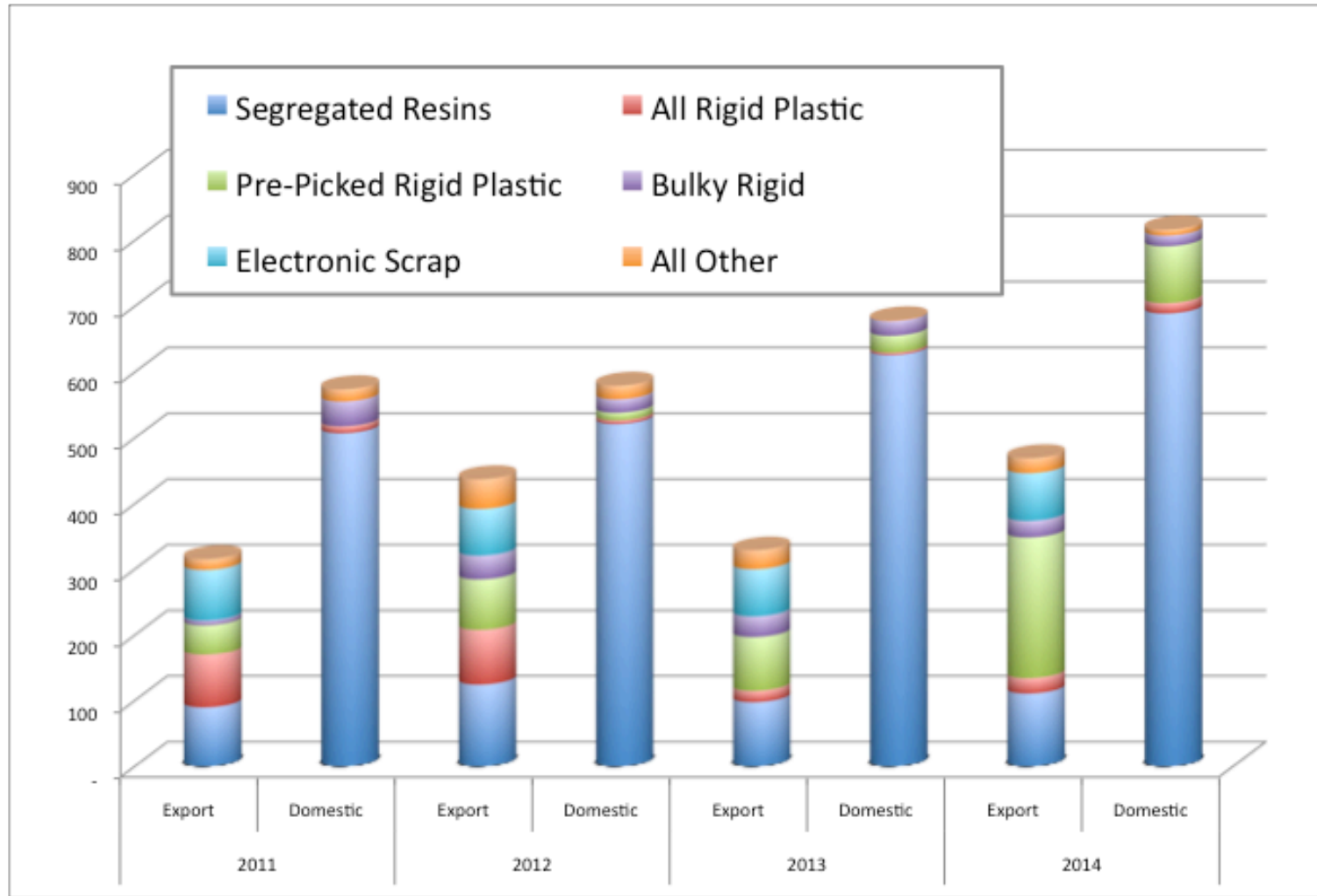


# Non-Bottle Rigid Plastic

**U.S. Non-Bottle Rigid Plastic Recovered Year over Year by Resin<sup>2</sup> (pounds)**

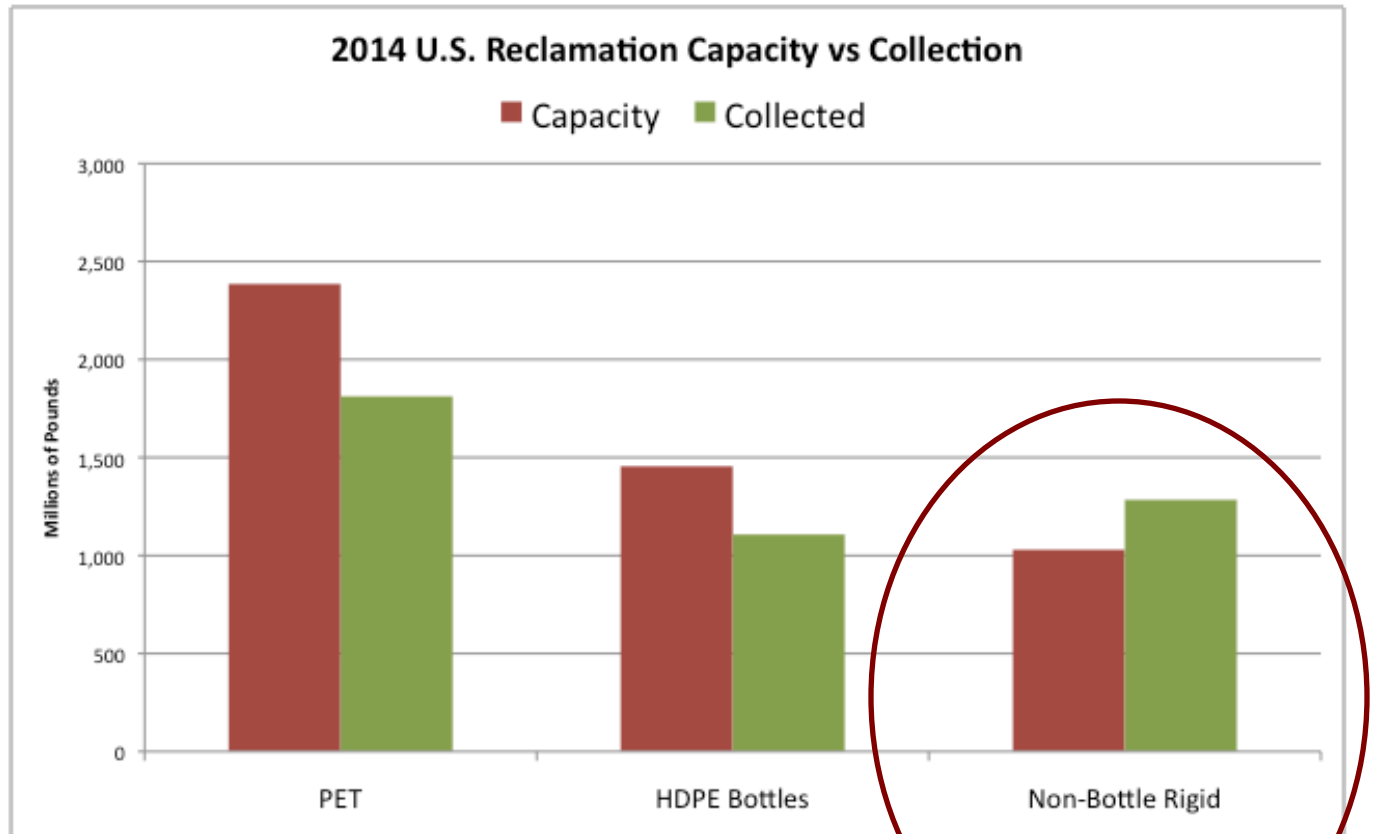


# Non-Bottle Plastics





# Need to expand domestic sortation and reclamation..



# Find **AND USE** the Terms & Tools



[www.RecycleYourPlastics.org/termsandtools](http://www.RecycleYourPlastics.org/termsandtools)



# Film & Bags

- ✿ Opportunity for growth!  
Need end markets

[plasticfilmrecycling.org](http://plasticfilmrecycling.org)



- ✿ Discourage Curbside at this time  
MRF Difficulties  
Low Value





# RECYCLE

clean & dry  
plastic film packaging,  
bags & wraps



# HERE



**NOT in Curbside Recycling**



Produce Bags



Plastic Shipping Envelopes



Bread Bags



Dry Cleaning Bags



Case Wrap



Air Pillows



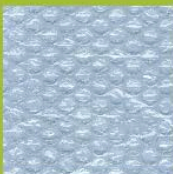
Newspaper Bags



Food Storage Bags



Bath Tissue  
Wet Wipes



Bubble Wrap



and Carryout Bags

Also look for any packaging  
with this How2Recycle label

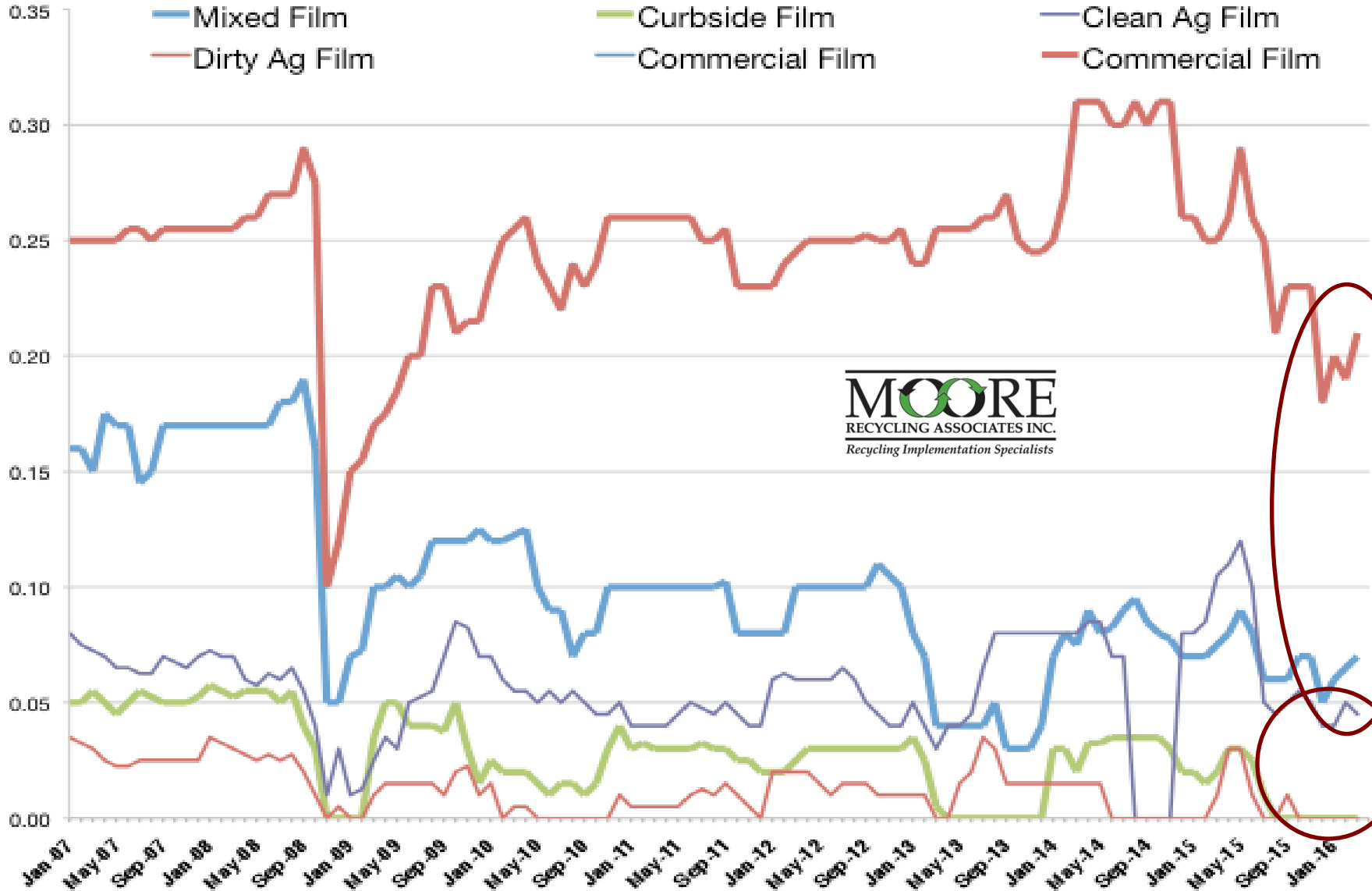
**NO candy bar wrappers, chip bags, six-pack rings or degradable bags**





# Historical Film Scrap Price

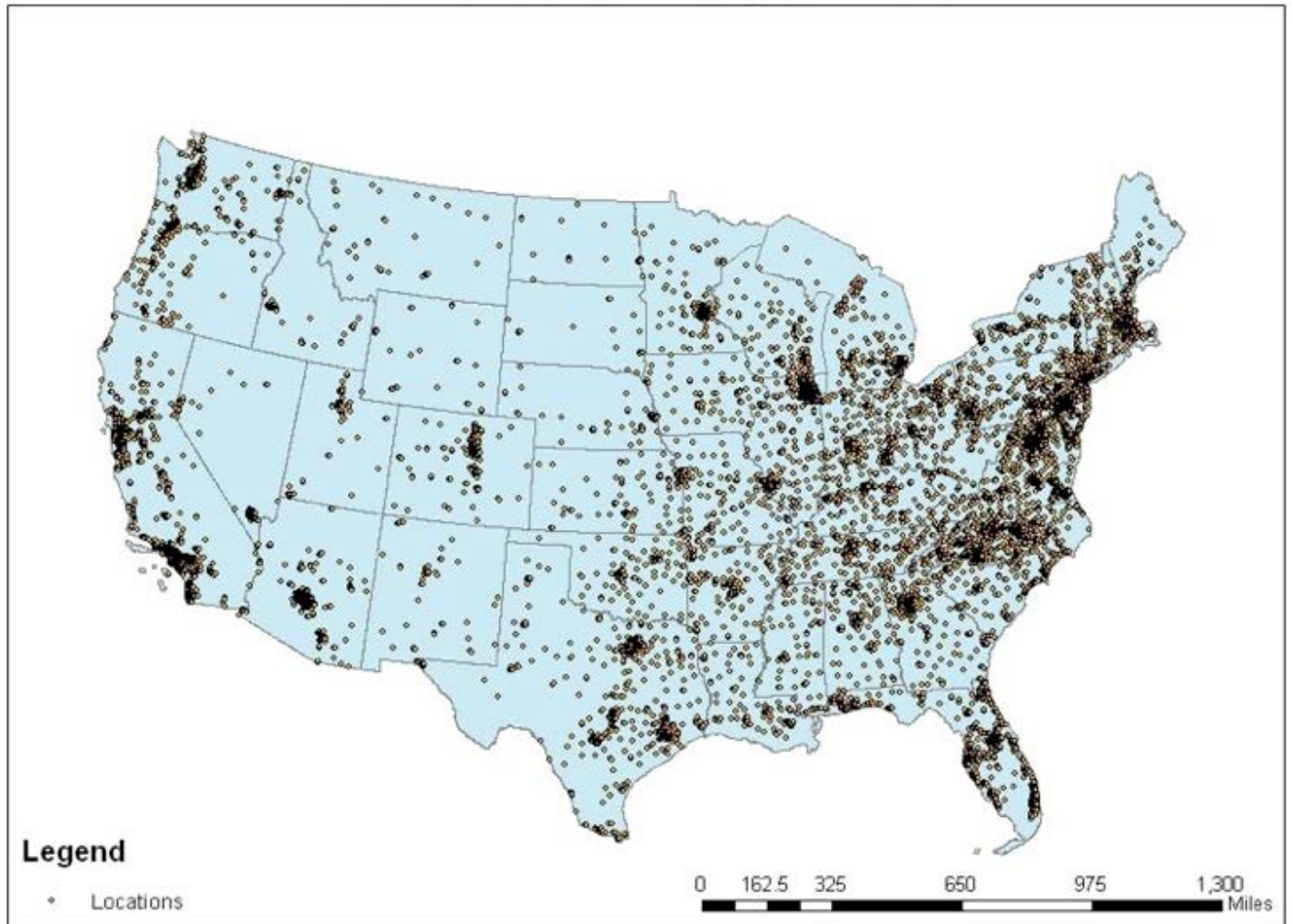
2007 to-date





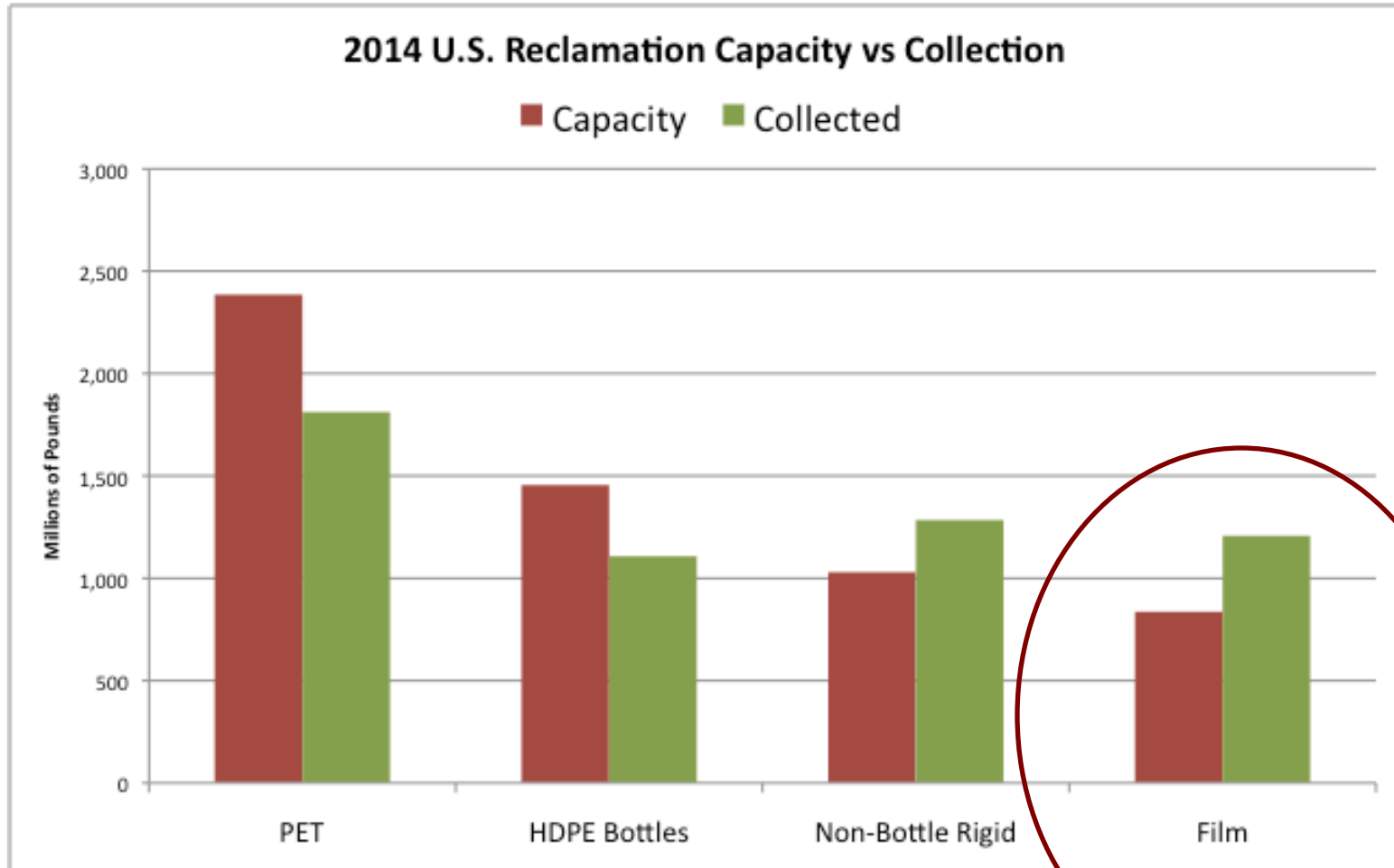
# Film & Bags

United States Map of All Drop-Off Facilities





# Film & Bags






## Foam

- ❖ Domestic markets exist primarily for PS (some commercial PU)
- ❖ Collection is key: high volume, commercial or special collection
- ❖ PS Foam recycling works—even curbside: clear, easily identifiable
- ❖ Best MRF practices available  
Two options: 1) presort pick 2) auto sort





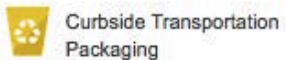
# RecycleMorePlastic.org

-  Curbside Transportation Packaging
-  Curbside Food Packaging
-  Curbside Both
-  Drop-off Transportation Packaging
-  Drop-off Food Packaging
-  Drop-off Both



Map data ©2016 Google, INEGI | Terms of Use

Please help us keep the map current. If you find a foam polystyrene recycling collection program that differs from the map, send feedback to [info@recyclemoreplastic.org](mailto:info@recyclemoreplastic.org).



Curbside Transportation Packaging



Curbside Food Packaging



Curbside Both



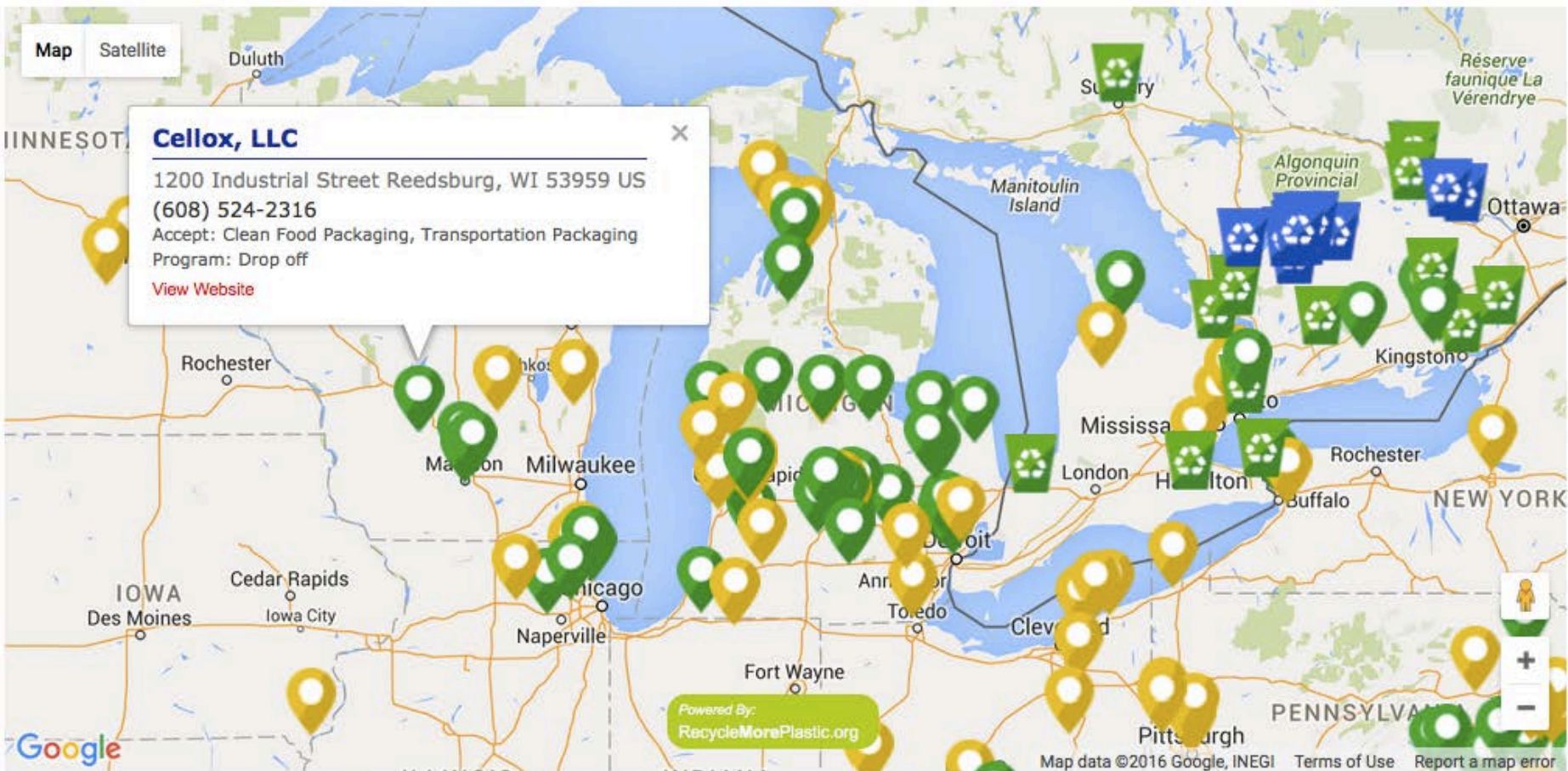
Drop-off Transportation Packaging



Drop-off Food Packaging



Drop-off Both



Please help us keep the map current. If you find a foam polystyrene recycling collection program that differs from the map, send feedback to [info@recyclemoreplastic.org](mailto:info@recyclemoreplastic.org).








# Resources

[PlasticsMarkets.org](https://PlasticsMarkets.org)

Connects Suppliers & Buyers of All Types of Scrap Plastic

[PlasticFilmRecycling.org](https://PlasticFilmRecycling.org)

Educate and Facilitate Film Recycling

[RecycleMorePlastic.org](https://RecycleMorePlastic.org)

Resources to Grow Recycling of All Types of Plastic

[MooreRecycling.org](https://MooreRecycling.org)

Publications

[PlasticRecycling.org](https://PlasticRecycling.org)

Association of Plastic Recyclers

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**MOORE**  
RECYCLING ASSOCIATES INC.  
*Recycling Implementation Specialists*

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# Questions?

*Recycling Implementation Specialists*



**Patty Moore**

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**[MooreRecycling.com](http://MooreRecycling.com)**

