WI Council on Recycling

Rigid and Film Plastic Update
February 27, 2015
Tonya Randell



ICI Rigids Study

Study Proposal:

- •Tasked with finding potential material and markets for more ICI rigid collection.
- •Emphasis on materials that can improve/compel more residential collection

To Date:

- •Contact sample set of manufacturers about rigid waste.
- •Contact transfer stations (in high industry areas) to find out if they know how much and/or type of plastic waste.
- •Compile waste audit data from universities and hospitals across the country to determine an estimate of potential material in institutions.
- •Interview ag plastic recycling experts

Preliminary Conclusions

- •Rigid plastics in ag are more readily recyclable if generated in a processing facility but on the farm generated material is limited by programs that consolidate material cost effectively for market
- •Institutional is a small part (\sim <5%) for rigids—recommend doing an audit to verify, as university plastic is typically readily recyclable.
- •Conversely, majority is generated in industrial and commercial sectors. Initial industry contacts believe material that isn't already captured is hard to recycle (mixed resin or mixed materials)

2009 Waste Characterization Study

Still some potential for easy materials

Total for PET and HDPE bottles:

17,800 tons

But there is tremendous potential for hard

to recycle materials

"Other Rigid Plastic Packaging,"

"Other Plastic," and

"Composite/Other Plastic":

167,00 tons

	Subtotal Plastic	373,798	17.7%	14.7%	20.7%
23	Composite/Other Plastic:	83,914	4.0%	2.3%	5.7%
22	Other Plastic	40,462	1.9%	1.3%	2.5%
21	Other Plastic Film	111,221	5.3%	3.6%	6.9%
20	Agricultural Plastic Film	8,662	0.4%	0.0%	0.8%
19	Plastic Industrial Film Pkg.	42,420	2.0%	0.9%	3.1%
18	Plastic Shopping Bags - film	4,313	0.2%	0.1%	0.3%
² [17	Other Rigid Plastic Pkg.	43,264	2.1%	0.7%	3.4%
16	Other Polystyrene Foam	9,676	0.5%	0.1%	0.8%
15	Food Polystyrene Foam	10,406	0.5%	0.2%	0.8%
14	Other Plastic #3 - #7 Bottles	1,661	0.1%	0.0%	0.1%
13	HDPE Colored Bottles	3,501	0.2%	0.1%	0.2%
12	HDPE Natural Bottles	2,903	0.1%	0.1%	0.2%
11	PET Non-Bev. Bottles/Jars	2,093	0.1%	0.1%	0.1%
10	PET Beverage Bottles	9,302	0.4%	0.4%	0.5%
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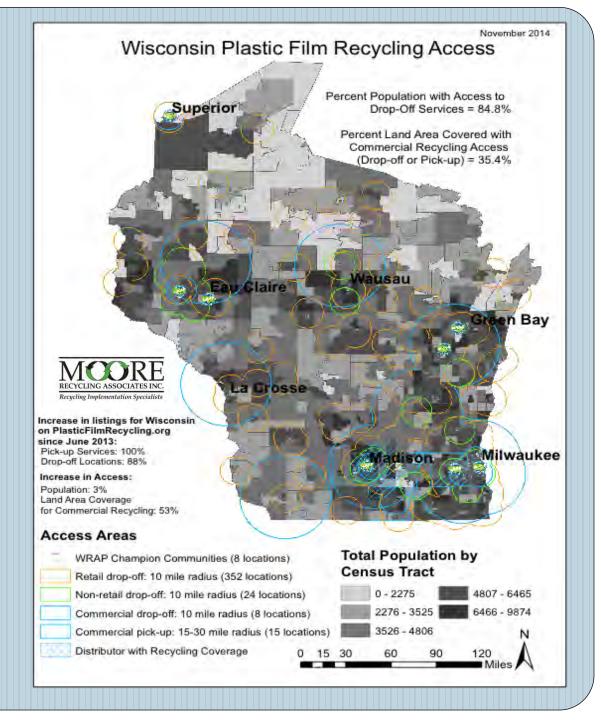
Next Steps

- •Continue contacts with manufacturers and markets; including bottles/containers generated on the job.
- •Tease out what part of the ICI data is multi-family tonnage and what are the materials— these will be similar to residential collection materials.

Final Report

- •Illustrate landscape of rigid generation, consolidation opportunities and markets.
- •Show the major generators and what they generate.
- •Map natural consolidation points of similar materials.
- •Provide information to include new residential collection opportunities if and when new markets emerge.
- •Expected report by late March 2015.

Film Update



Film- Milwaukee

- •Consumer education campaign in Milwaukee area with Roundy's stores
- •Pre-campaign bale audits starting now
- •New bins and signage in campaign phase
- •Consumer surveys to determine changes in knowledge
- •Post-campaign bale audits to see change in material/quantity collected

Film-Outagamie

- •Initial approval to work with Festival Foods and Outagamie (BOW) MRF for second consumer education campaign.
- •This will provide information to consumers through stores and county outreach.
- •Additionally, will track changes to residual at MRF to see if campaign impacts the amount of film material coming through facility.
- •Hope to start pre-campaign bale audits soon!

Film-Vocational Centers

- Thanks to work by Amanda Haffele from Dunn County, we have 2 vocational centers (Indianhead Enterprises and REACH) on board to collect material.
- Next step is to bring in
 Rehabilitation for Wisconsin
 members (55 total) to provide more
 commercial access around the state.



Thank You!

Tonya.Randell@MooreRecycling.com

