

Spring 2019 MRF Survey Results

Material Recovery Facility (MRF)
Stakeholder Meeting
October 7th, 2019

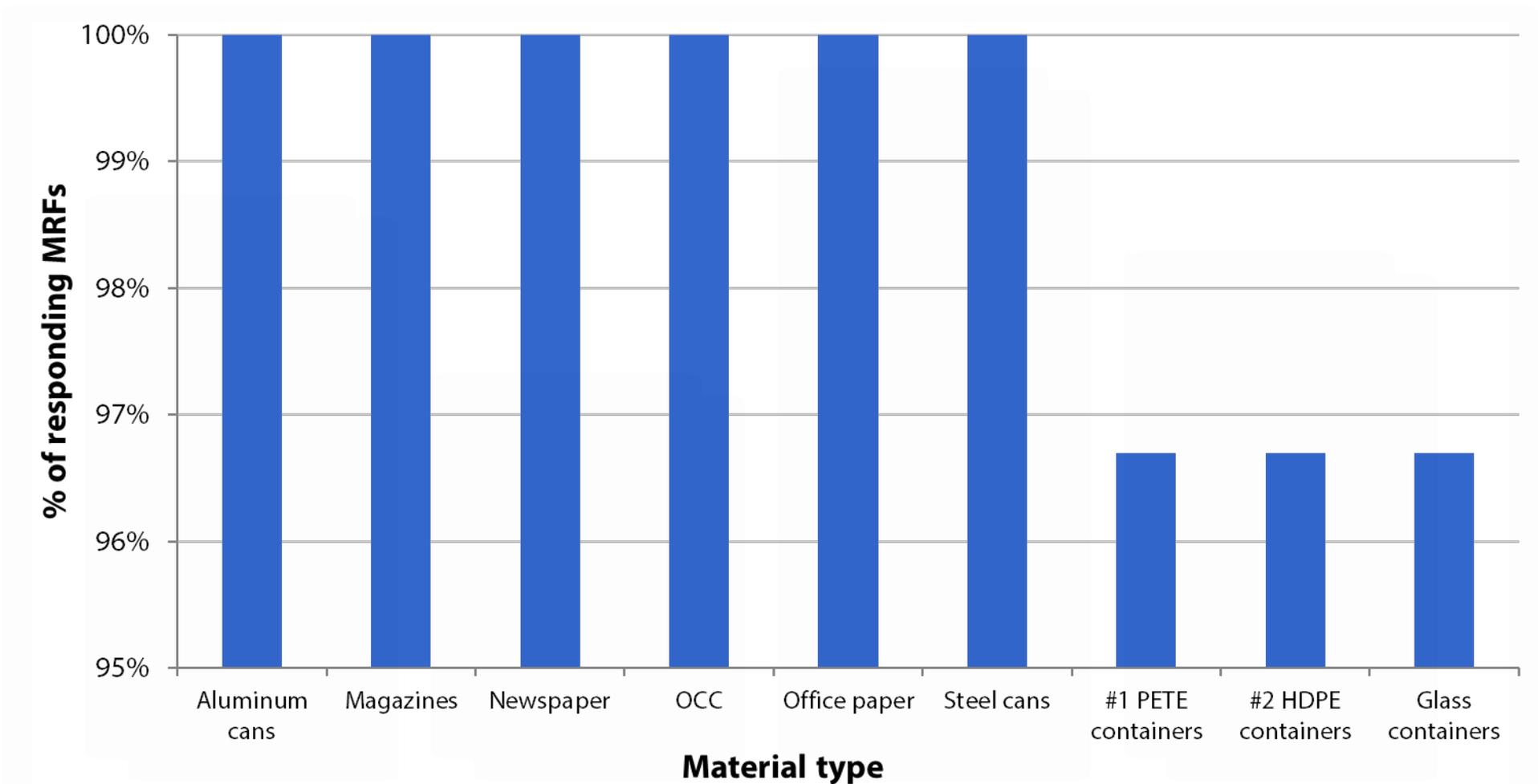
Jennifer Semrau, Waste Reduction & Diversion Coordinator
Bureau of Waste & Materials Management

Survey background

- Sent to MRFs serving WI RUs, April 18, 2019
- Responses requested by May 15
- Purpose/Goals
 - Learn what MRFs take (landfill banned and beyond)
 - Learn more about contamination
 - Check in on markets
- Survey sent to 41 MRFs (self-certified as of 4/18)
- Received 27 responses, on behalf of 30 MRFs
- Response rate of ~73%
- ~50% single stream MRFs
- MRF size ranged from less than 100 tons/year to over 200,000 tons year

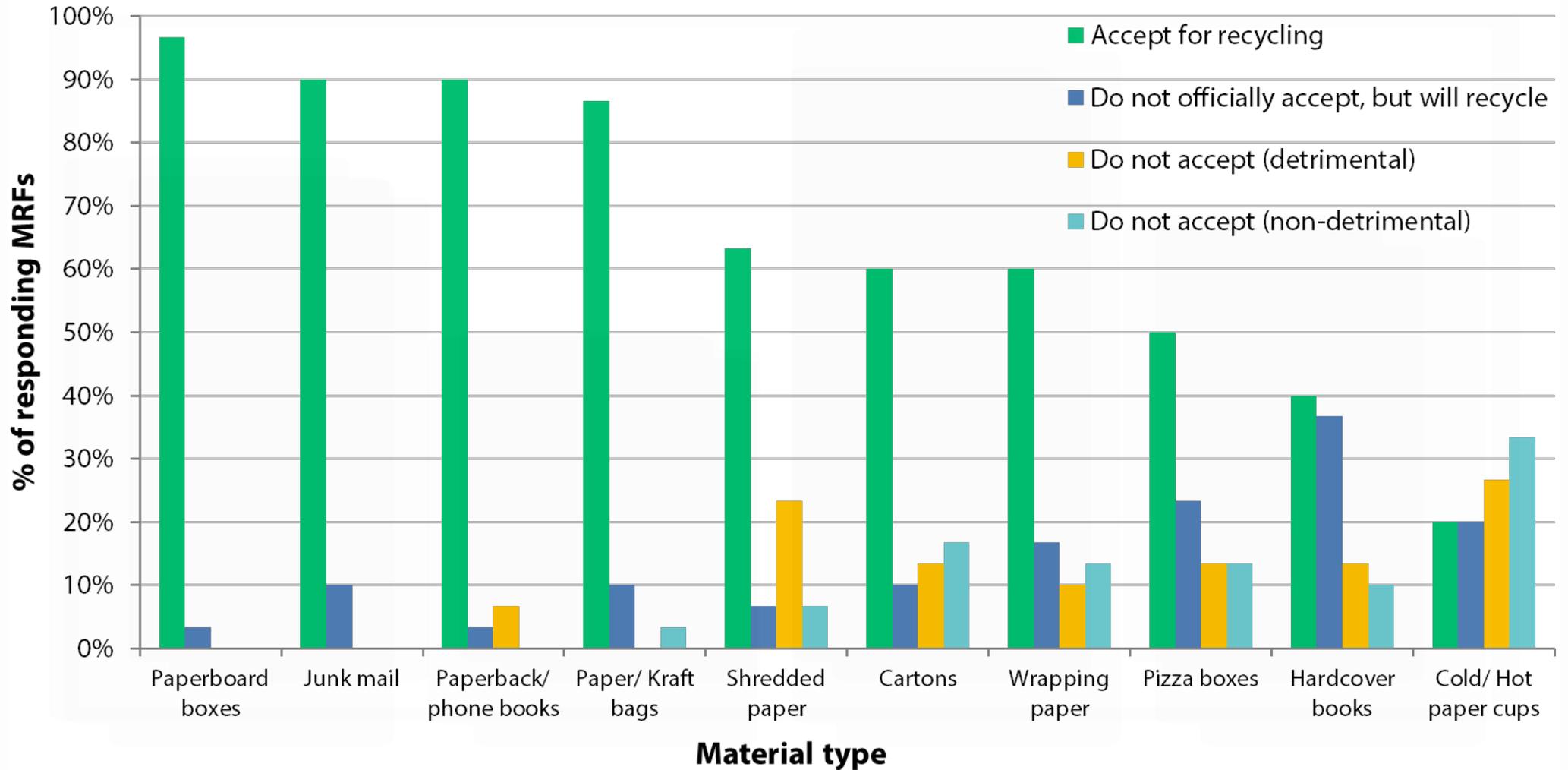
"Table 1" Materials

Table 1 materials accepted for processing



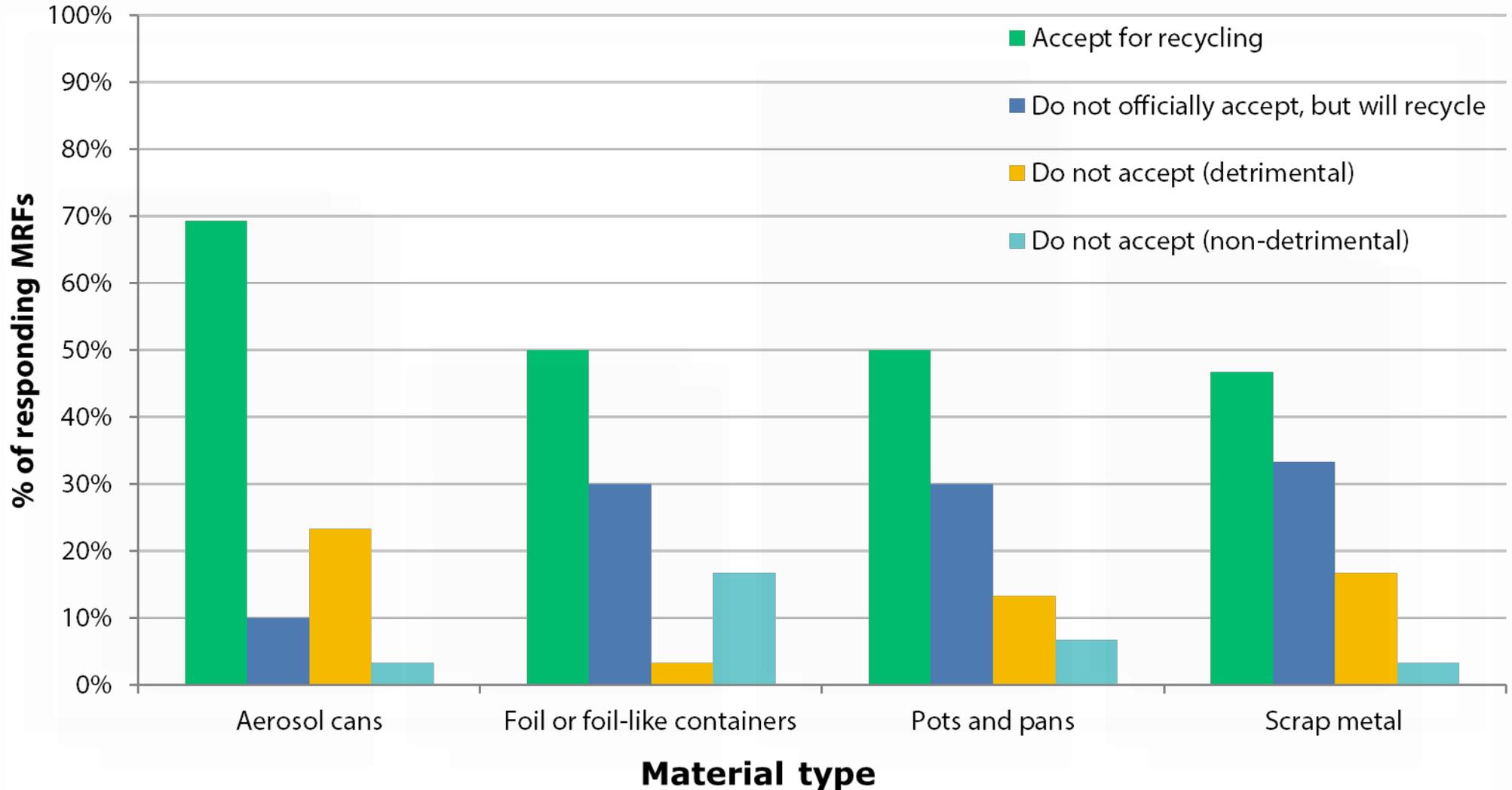
Paper Materials

Other paper products accepted for processing



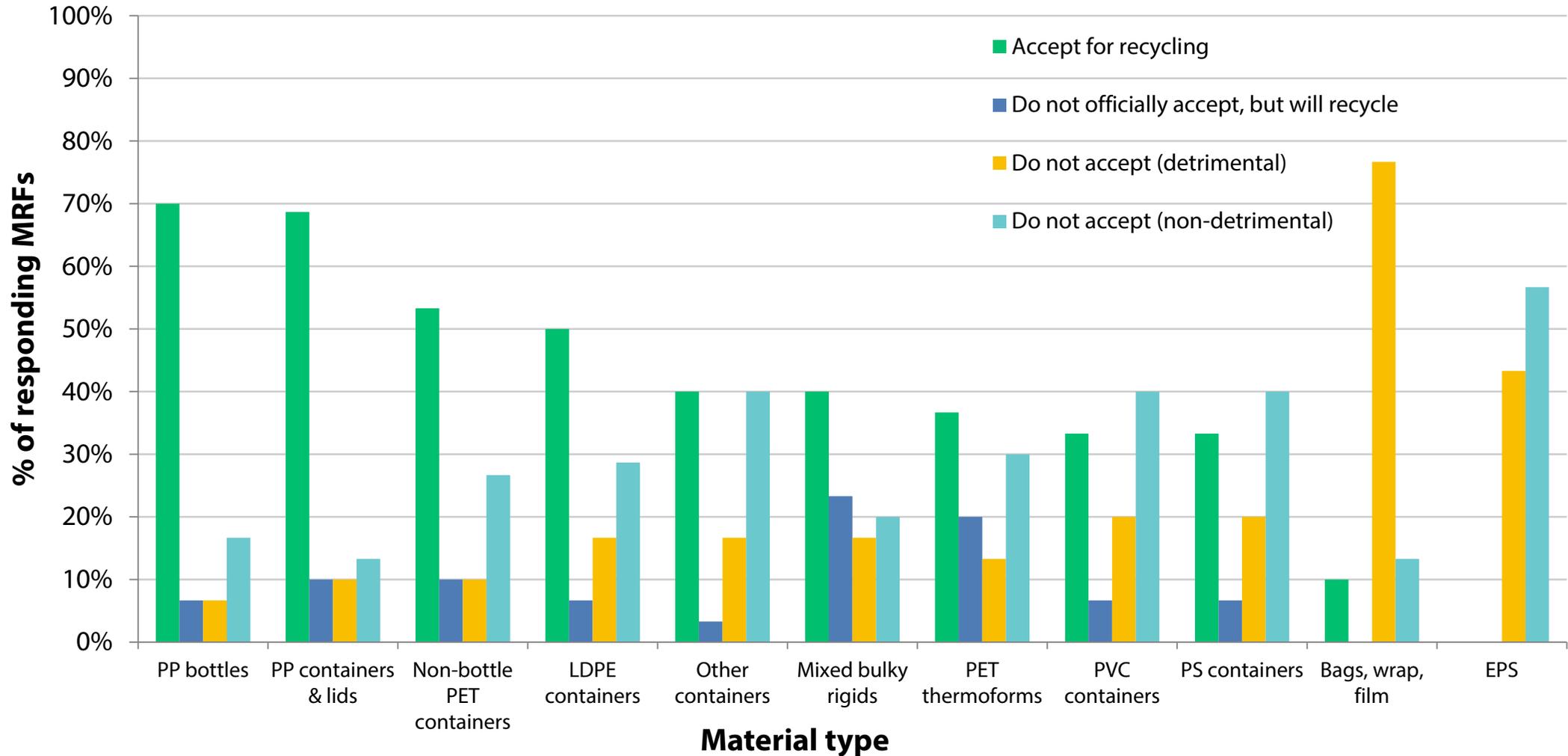
Metal Materials

Other metal products accepted for processing



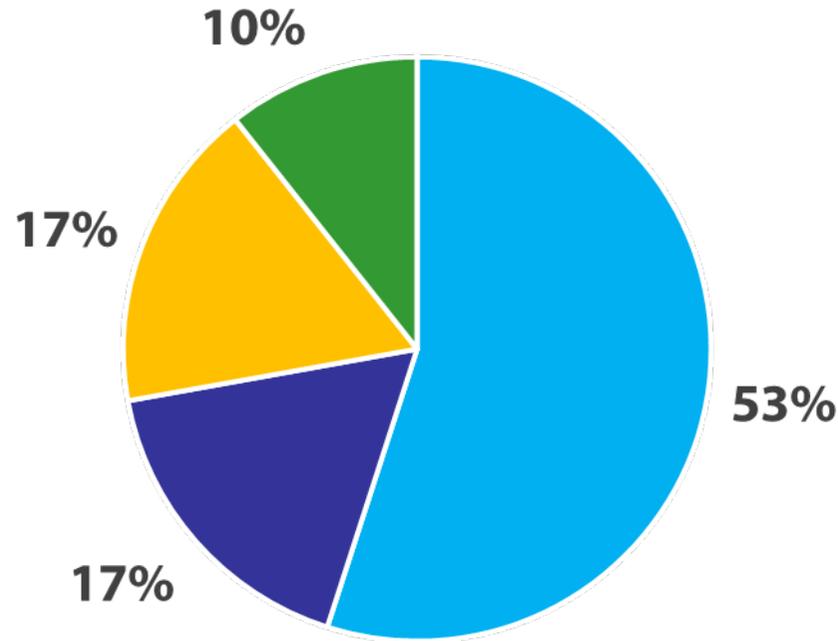
Plastic Materials

Other plastic products accepted for processing



Plastic Caps

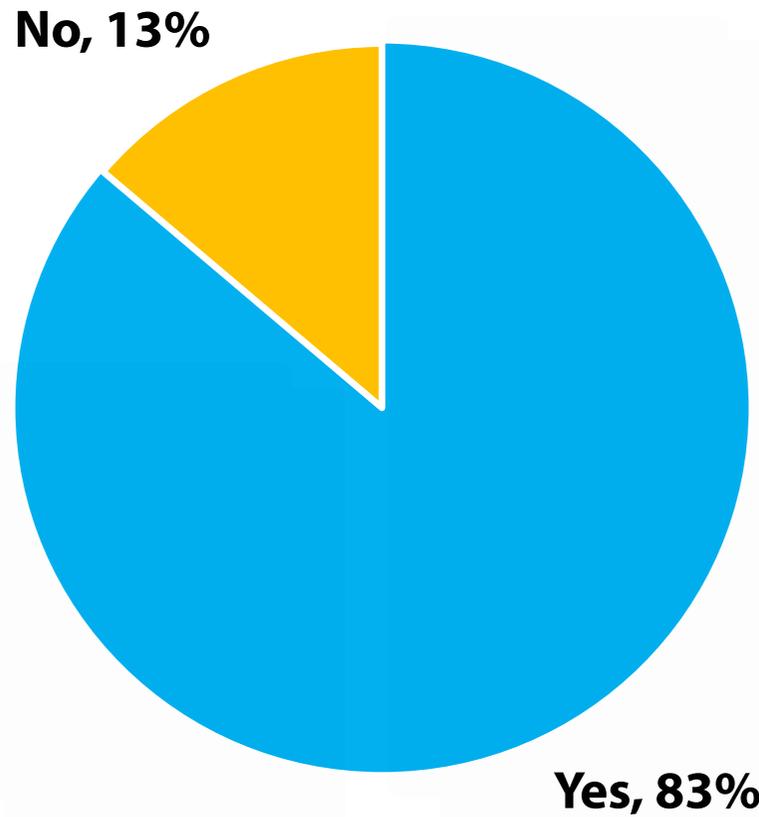
What do you tell your customers about plastic bottle caps?



- Leave caps on plastic bottles
- Remove and throw away plastic bottle caps
- We do not tell customers what to do with plastic bottle caps
- Other

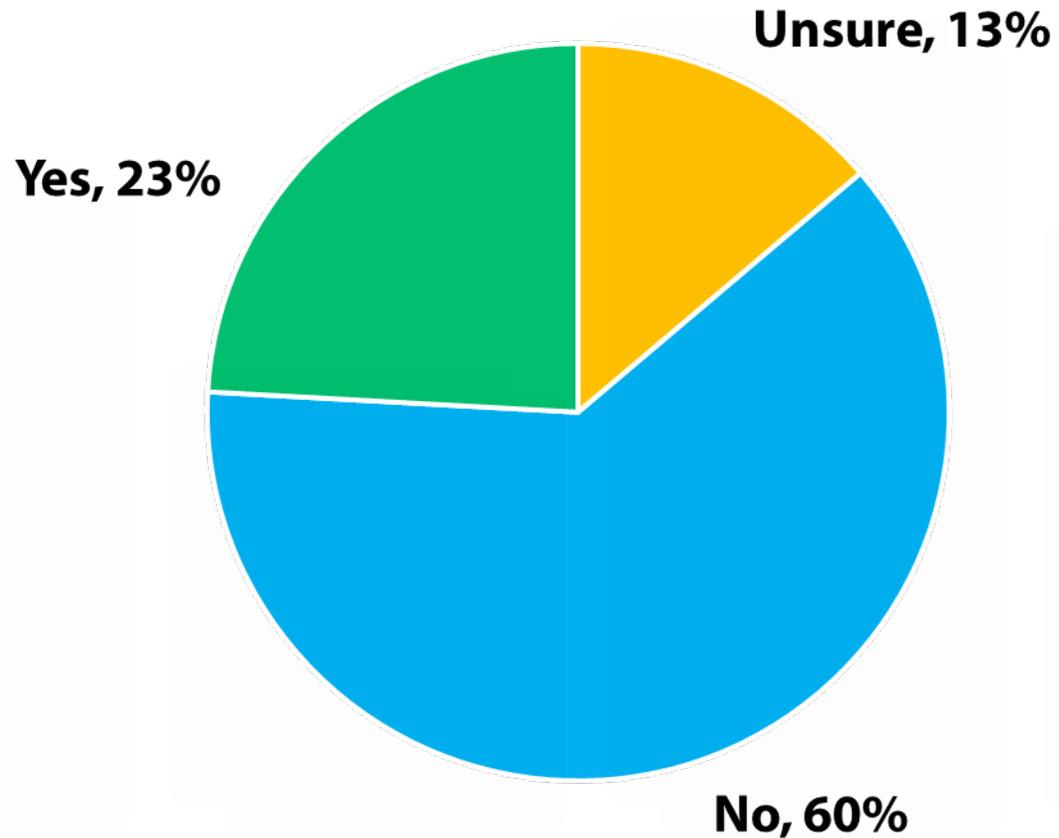
Bagging Recyclables

Do you tell customers not to bag recyclables?



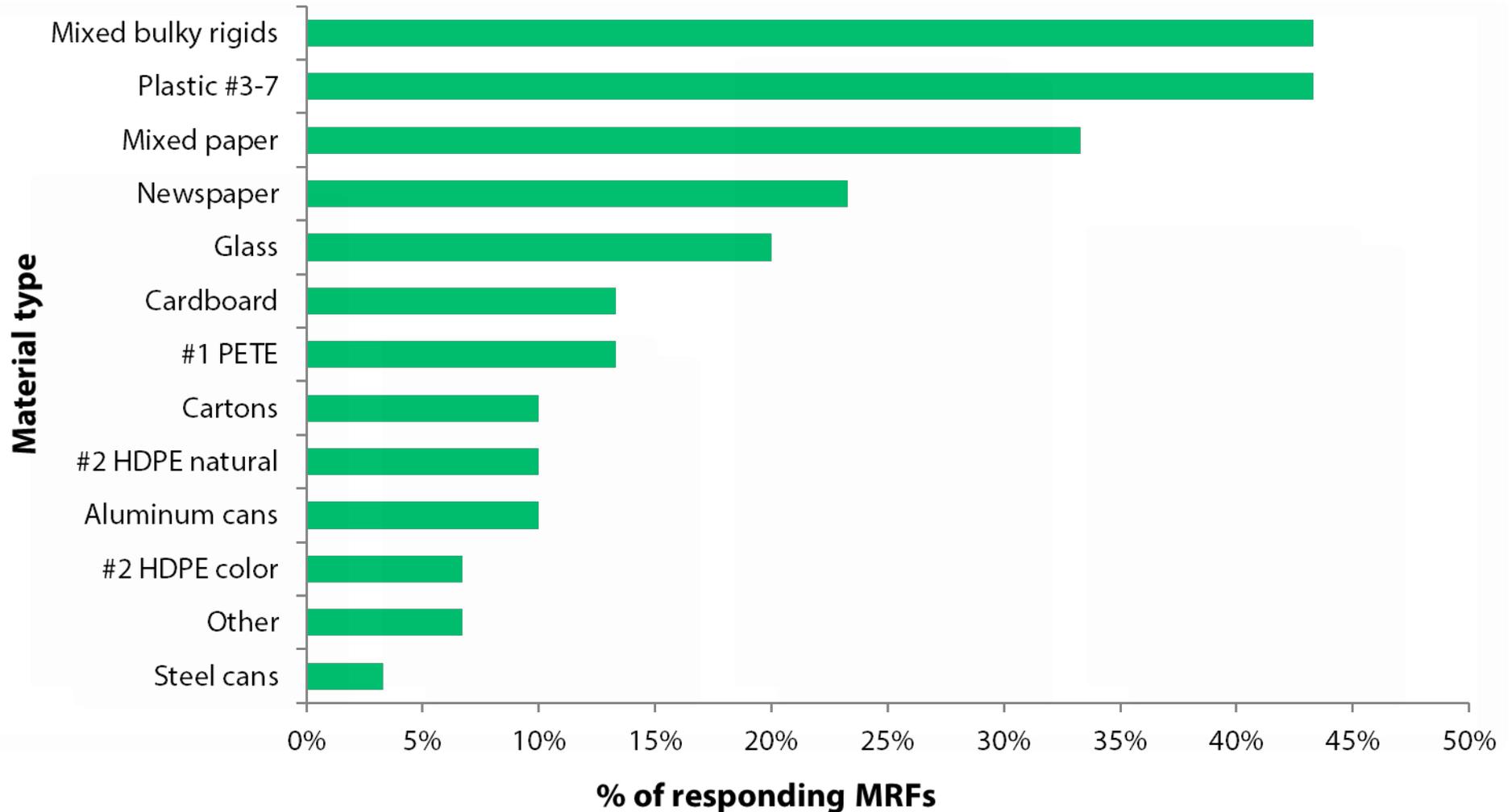
Size Restrictions

Do you tell customers not to include items smaller than a certain size?



Difficult to Move

Which of the following materials have you had trouble finding markets for over the last six months?



Top Contaminants

Which of the following are the 5 biggest sources of contamination in your system (cause most down time, biggest effect on commodity value or worker safety)?

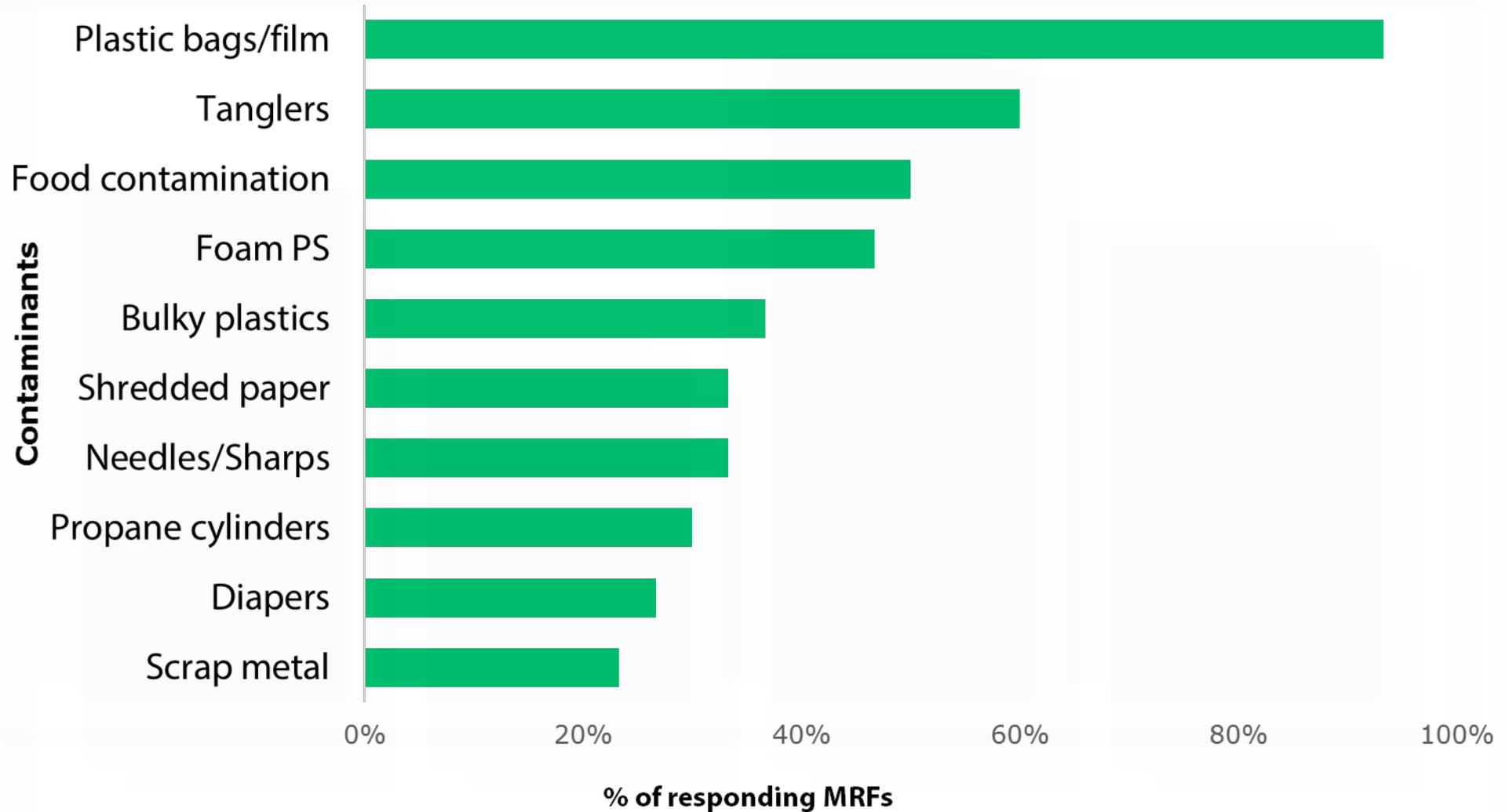
- Asked to rank #1-#5, with #1 the worst
- With ranking we can look at the data multiple ways:
 - Top Contaminants by % of MRFs Selecting
 - Top Contaminants by Sum
 - Average Ranking

Top Contaminants (cont.)

- These items were #1 contaminant by at least 1 MRF:
 - Batteries
 - Bulky Plastics
 - Tanglers
 - Food contamination
 - Plastic bags/film
 - Scrap Metal
- When all methods are considered, we still arrive at a TOP 10 contaminants list

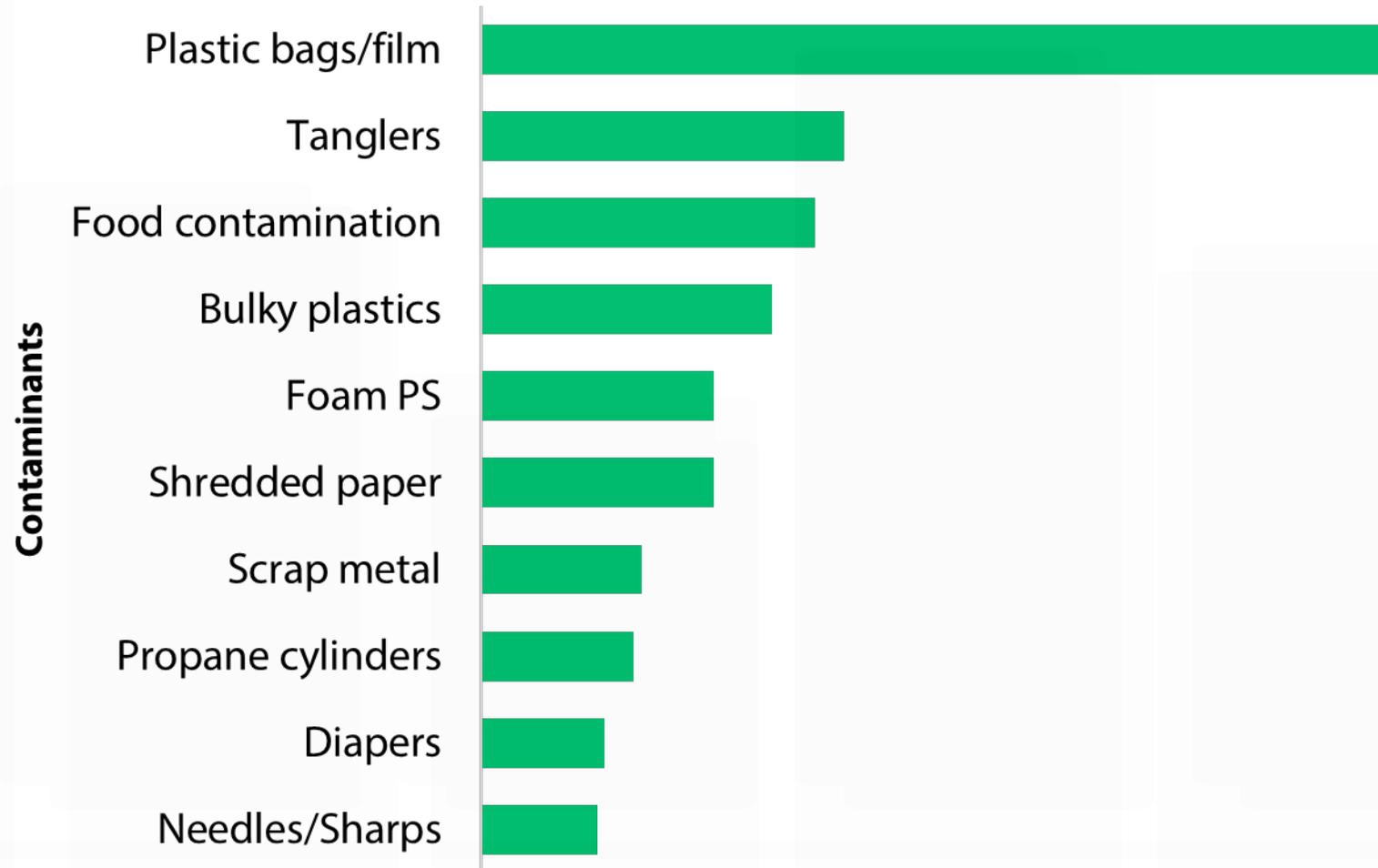
Top Contaminants (cont.)

Top contaminants by % of MRFs selecting



Top Contaminants (cont.)

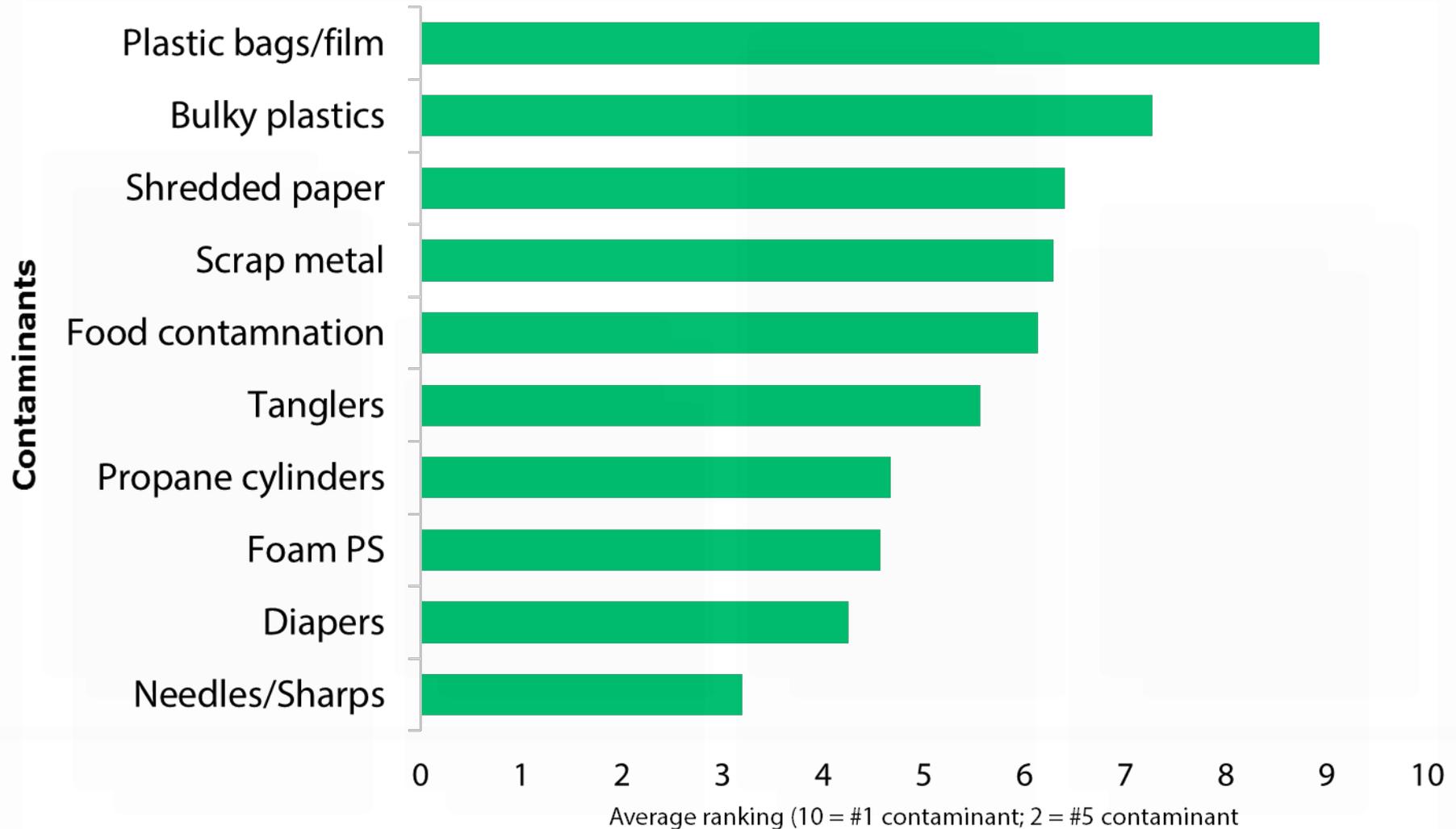
Top contaminants, based on sum of rankings



Sum of "points" assigned to rankings

Top Contaminants (cont.)

Top contaminants, by average ranking



Contamination Marketing & Survey Results

Looking to use this info...

- Online (Social Media, Website)
- Printed Publication(s)
- In Presentations
- DNR Recycling Updates & other newsletters
- Other ideas?

Questions?

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