

SB 343 Preliminary Findings Report Informational Session



SB 343 (Allen, Chapter 507, Statutes of 2021)

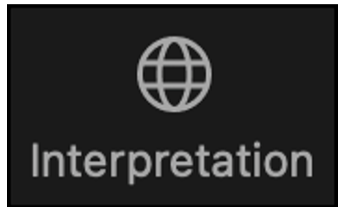
Department of Resources Recycling and Recovery (CalRecycle)

February 13, 2024

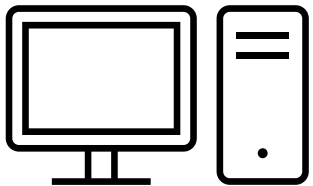
Interpretation Services | Servicios de Interpretación



In Person – Ask our team for a translation headset
En persona – Solicite asistencia si necesita audífonos de traducción



Zoom – Select your language on the Interpretation icon
Zoom - Seleccione su idioma en el icono Interpretación



Webcast - <https://video.calepa.ca.gov/#/>
Transmisión en línea - <https://video.calepa.ca.gov/#/>

Disclaimer

This communication is not legal advice and should not be construed as a statement or conclusion by CalRecycle regarding the application of law to any particular circumstances. This communication is merely informational and intended to address questions presented only to the extent that doing so is within the scope of CalRecycle's authority. To the extent that this communication is based on any facts or laws, it reflects only current facts or laws, which are subject to change. To the extent that any potential interpretation of this communication conflicts with any law, such law controls. Nothing in this communication constitutes a waiver of any rights or remedies available to CalRecycle under any law. Recipients of this communication are encouraged to seek legal counsel for assistance in understanding state or federal law, including how it applies to their particular circumstances.

Agenda

Opening Remarks

Dan Brown, Environmental Program Manager

Part I: SB 343 Overview

Jennifer Haynes White, Senior Environmental Scientist (Supervisor)

Part II: Jurisdiction Survey – Methodology and Preliminary Findings

Alessandra Arif, Environmental Scientist

Part III: Material Recovery Facility (MRF) Survey and Sampling – Methodology and Preliminary Findings

Audrey Vorametsanti and Nik Soltis, Environmental Scientists

Part IV. Next Steps

Dan Brown, Environmental Program Manager

Part V: Questions and Public Comments

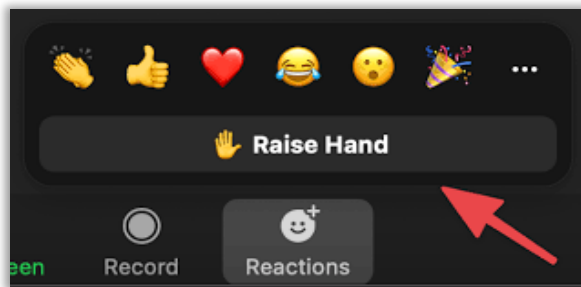
CalRecycle Panel

Timeline – SB 343 Findings Report

- **December 28, 2023** – Preliminary Findings Report published
- **February 13, 2024** – Informational session covering relevant statute, study methodology, and preliminary findings
- **April 2, 2024** – Requested date for members of the public to submit comments for consideration in the development of the final publication
- **Upcoming** – Formal public meeting to present the preliminary findings and receive public comments
- **Upcoming** – Publication of final SB 343 Findings Report (60 days after the formal public meeting)

Questions and Comments

- To make a comment in-person, please line up at the podium.
- To make an oral comment via Zoom, please raise your hand and the host will unmute you.



- To make a written comment via Zoom, please use the chat box.

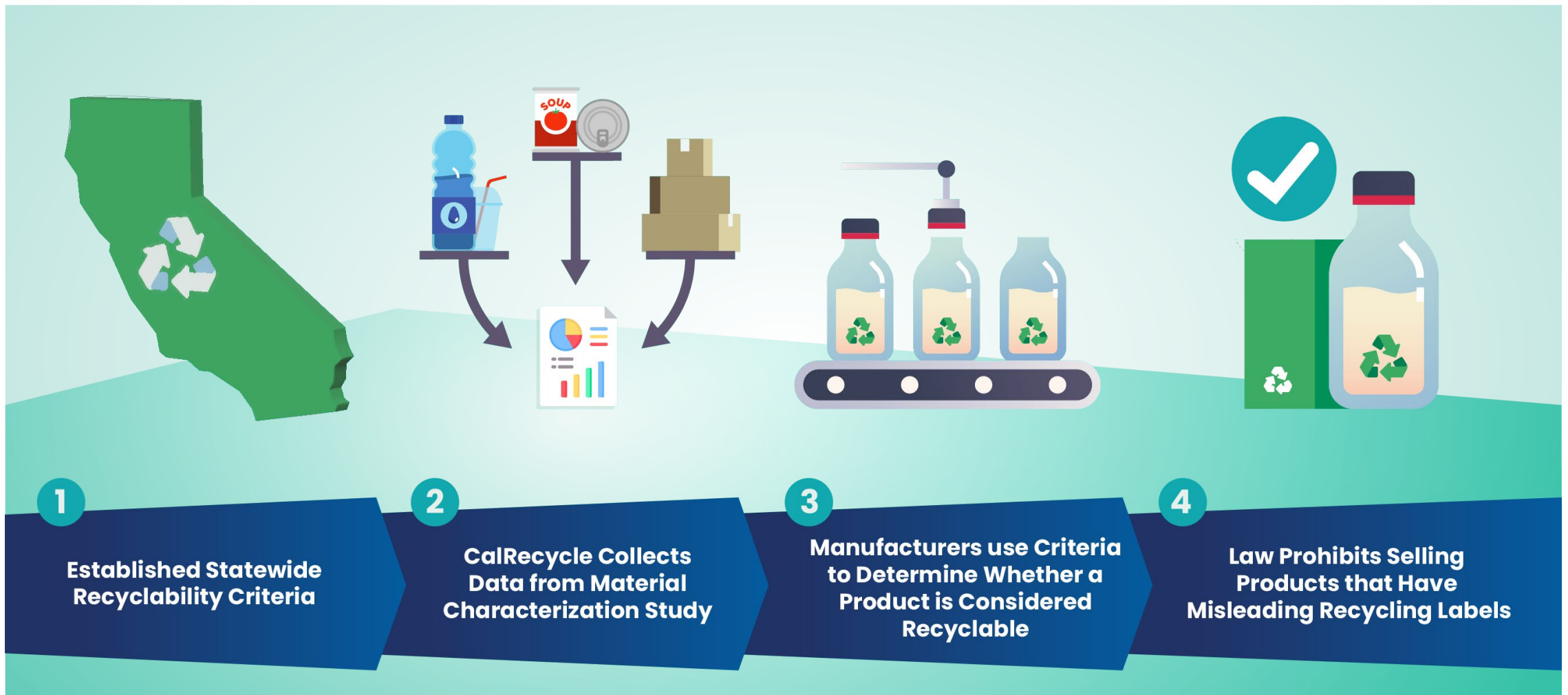
Part I. SB 343 Overview

**Department of Resources Recycling and Recovery,
Knowledge Integration Section**

Jennifer Haynes White

Senior Environmental Scientist (Supervisor)

SB 343 Overview



CalRecycle Study and Recyclability Criteria

- Senate Bill (SB) 343 directs CalRecycle to publish data about the types of materials actually recycled in CA
- Public Resources Code (PRC) 42355.51(d)(2): a product or packaging may be considered recyclable in the state if the product or packaging is of a **material type and form** that is both:
 - (A) Collected for recycling by recycling programs *for jurisdictions that collectively encompass at least 60 percent of the population of the state;* and
 - (B)(i) The material type and form is sorted into defined streams for recycling processes by large volume transfer or processing facilities ... that process materials and collectively serve at least 60 percent of recycling programs statewide, with the defined streams sent to and reclaimed at a reclaiming facility consistent with the requirements of the Basel Convention.

Material Characterization Studies (MCS)

- Statute required CalRecycle to publish "a characterization study of material types and forms that are collected, sorted, sold, or transferred" by solid waste facilities. – PRC 42355.51(d)(1)(B)(i)
- A draft of the first study report was required to be published by January 1, 2024
- CalRecycle must update the study in 2027 and every five years thereafter - PRC 42355.51(d)(1)(B)(ii)
- CalRecycle may publish additional information that was not available at the time of the most recent MCS - PRC 42355.51(d)(1)(B)(iii)

Report Publication and Public Engagement

- PRC 42355.51(d)(1) required CalRecycle to publish the draft by January 1, 2024.
 - Published on December 28, 2023.
- PRC 42355.51(d)(1)(B)(v) requires that CalRecycle:
 - Consider public comments
 - Present the draft findings at a public meeting
 - CalRecycle plans to hold the required public meeting this spring.
 - Finalize and publish the findings of the study within 60 days of the public meeting.

Scope of Preliminary Findings

- This report includes data related to ***material type and forms***:
 - Accepted by residential curbside recycling programs for jurisdictions; and
 - Sorted and sold by large volume transfer or processing facilities
 - Composition of material bales sold by selected large volume transfer or processing facilities
- This implements the study parameters set forth in statute: collection, sortation, sale, and transfer at solid waste facilities in the state
- The only requirement placed on solid waste facilities are that they allow periodic sampling of materials
- The findings do not relate to product-specific criteria established in statute

Structure of Preliminary Findings Report

- Background
- Methodology
- Summary of Findings
 - Collection by Jurisdiction Recycling Programs
 - Materials Recovered by Large Volume Transfer Processors (LVTPs)
 - Material Characterization Study (MCS) at LVTPs
- Appendices
 - Jurisdiction Collection Categories Aligned with SB 343 Material Types and Forms
 - LVTP Survey Questions
 - List of Regions for LVTP MCS
 - SB 343 Material Types and Forms List
 - List of Outflows Sampled in LVTP MCS
 - List of Material Types and Forms not Classifiable as Sorted for Recycling within LVTP MCS
 - Statewide Results of LVTP MCS
 - Rare Materials in MCS

Part II. Jurisdiction Survey – Methodology and Preliminary Findings

**Department of Resources Recycling and Recovery,
Knowledge Integration Section**

Alessandra Arif

Environmental Scientist

Methodology

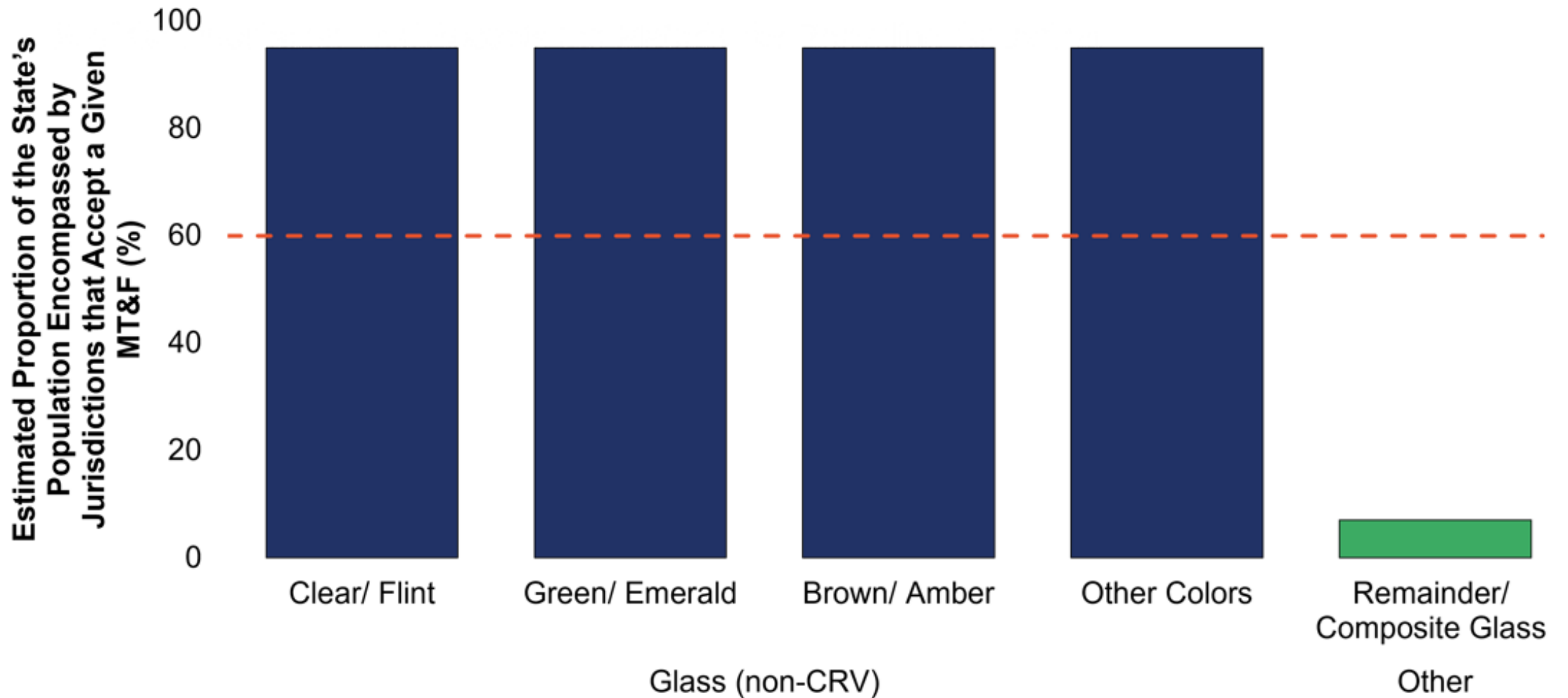
- CalRecycle obtained a list of CA jurisdictions and associated population estimates for 2022;
- Determined materials collected by jurisdiction residential curbside recycling programs;
- Aligned materials accepted by jurisdiction recycling programs to the list of SB 343 material types and forms (MT&Fs);
- Estimated the proportion of the state's population encompassed by jurisdictions that accept a given MT&F



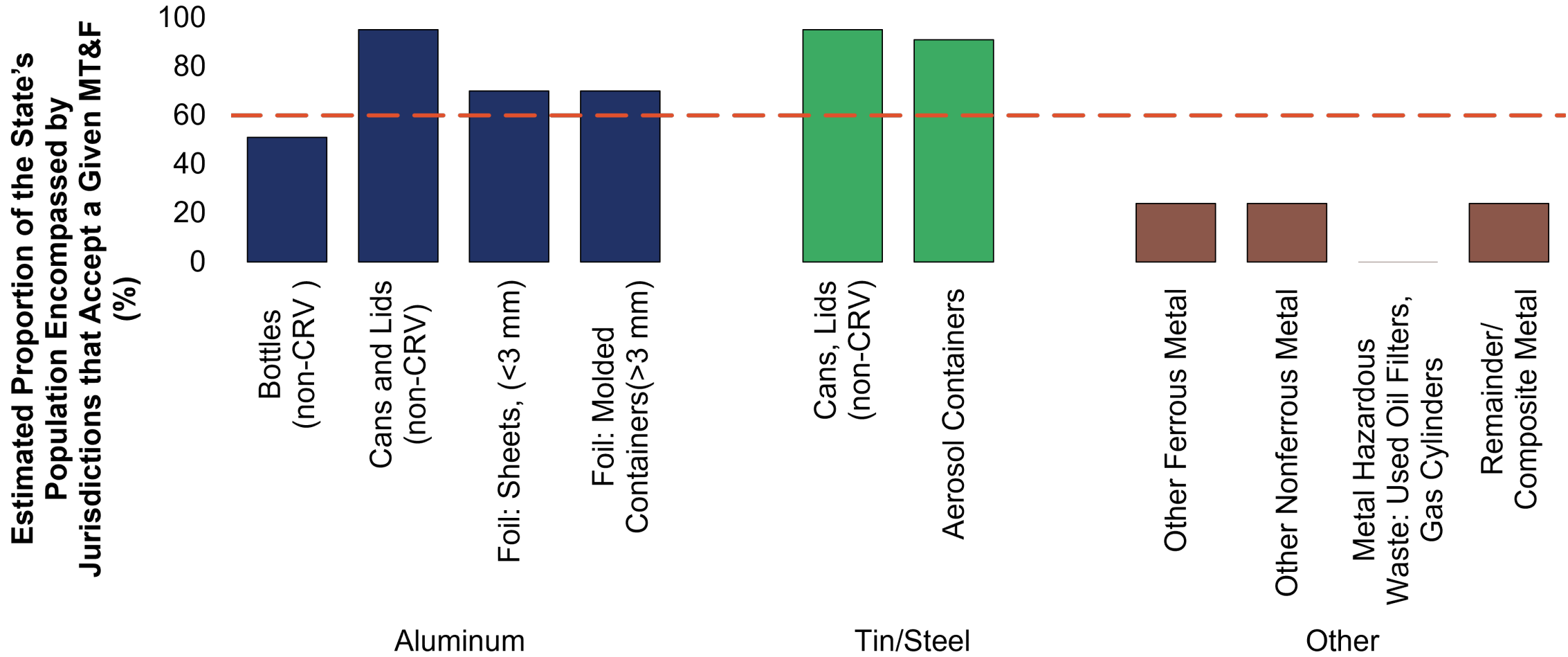
Example Material Type Alignment

- Jurisdiction Survey Category: “Glass Bottles”
- Aligned SB 343 Material Types and Forms:
 - “Glass Containers – Clear/Flint – non-CRV”
 - “Glass Containers – Green/Emerald – non-CRV”
 - “Glass Containers – Brown/Amber – non-CRV”
 - “Glass Containers – Other Colors – non-CRV”

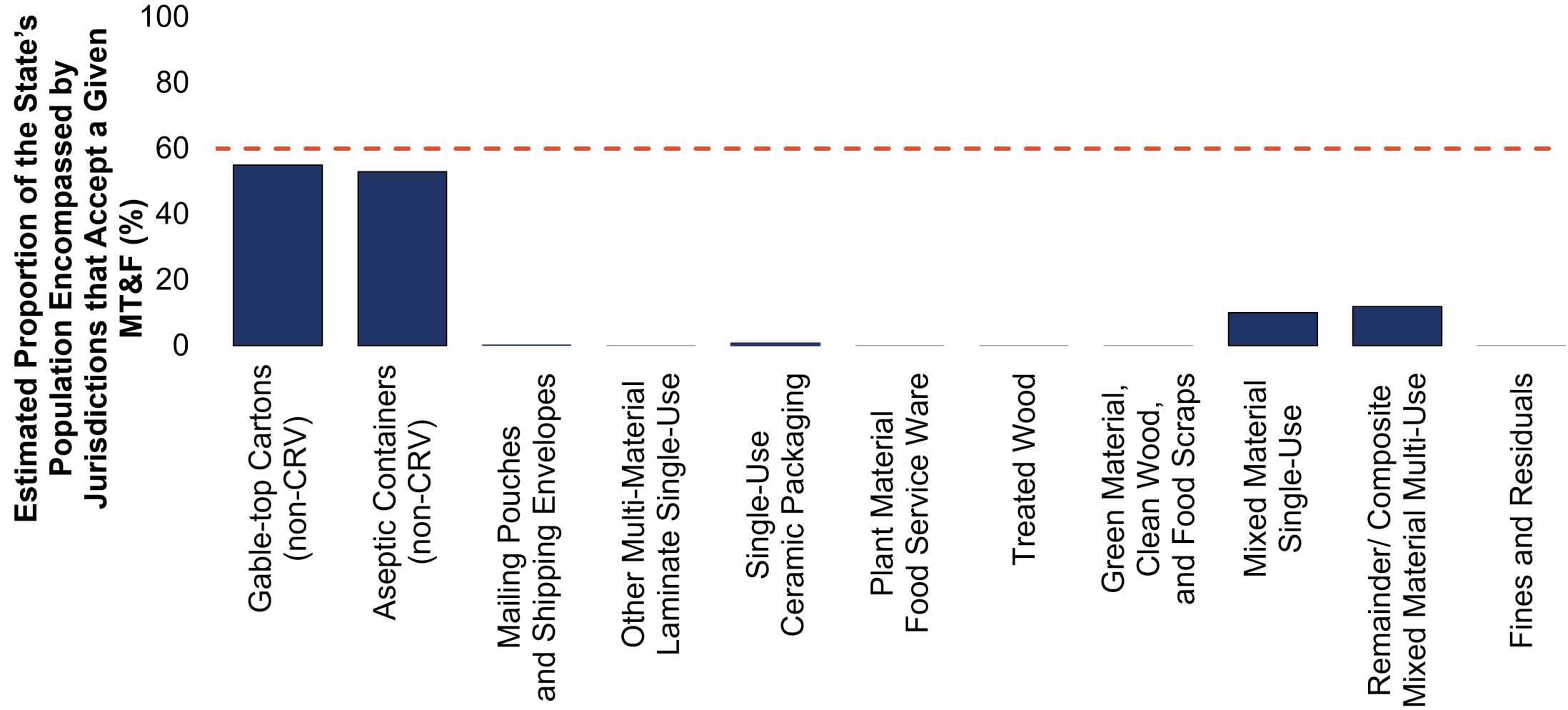
Collection by Jurisdiction Recycling Programs: Glass



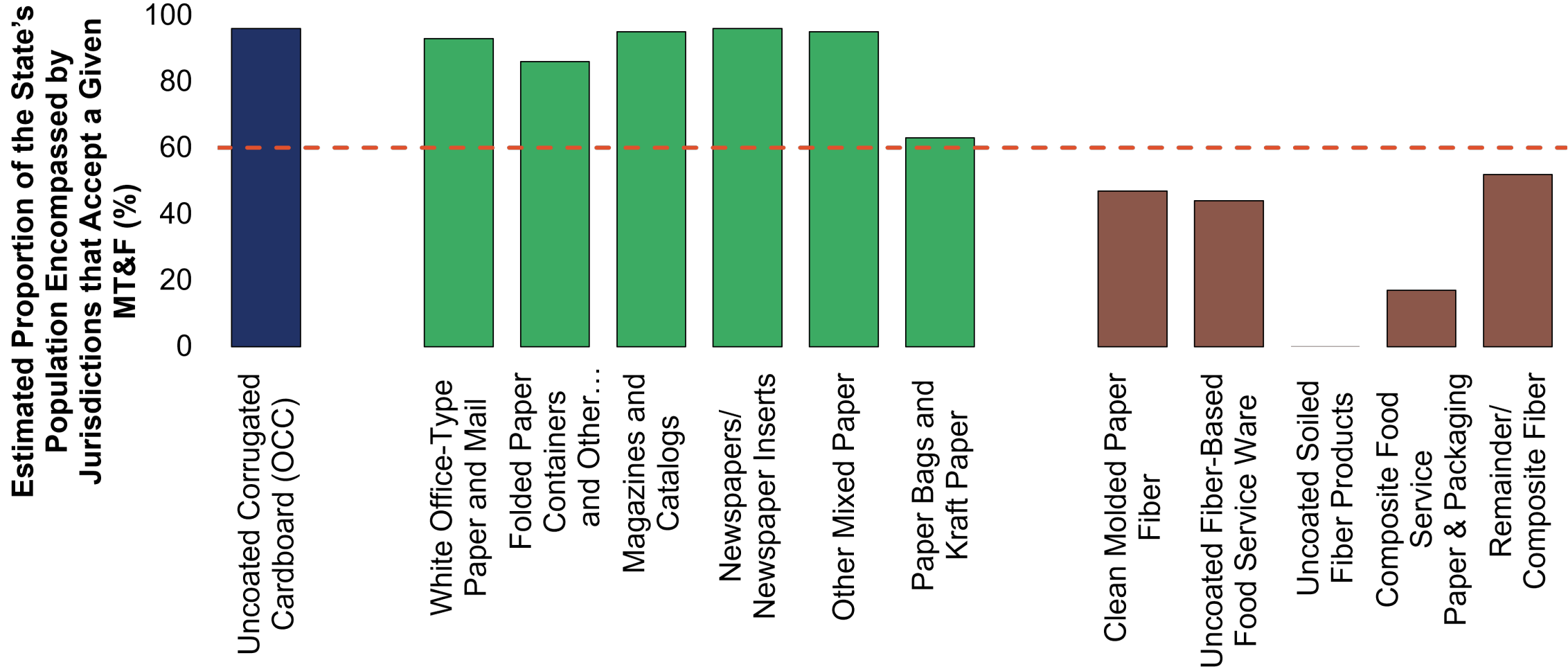
Collection by Jurisdiction Recycling Programs: Metal



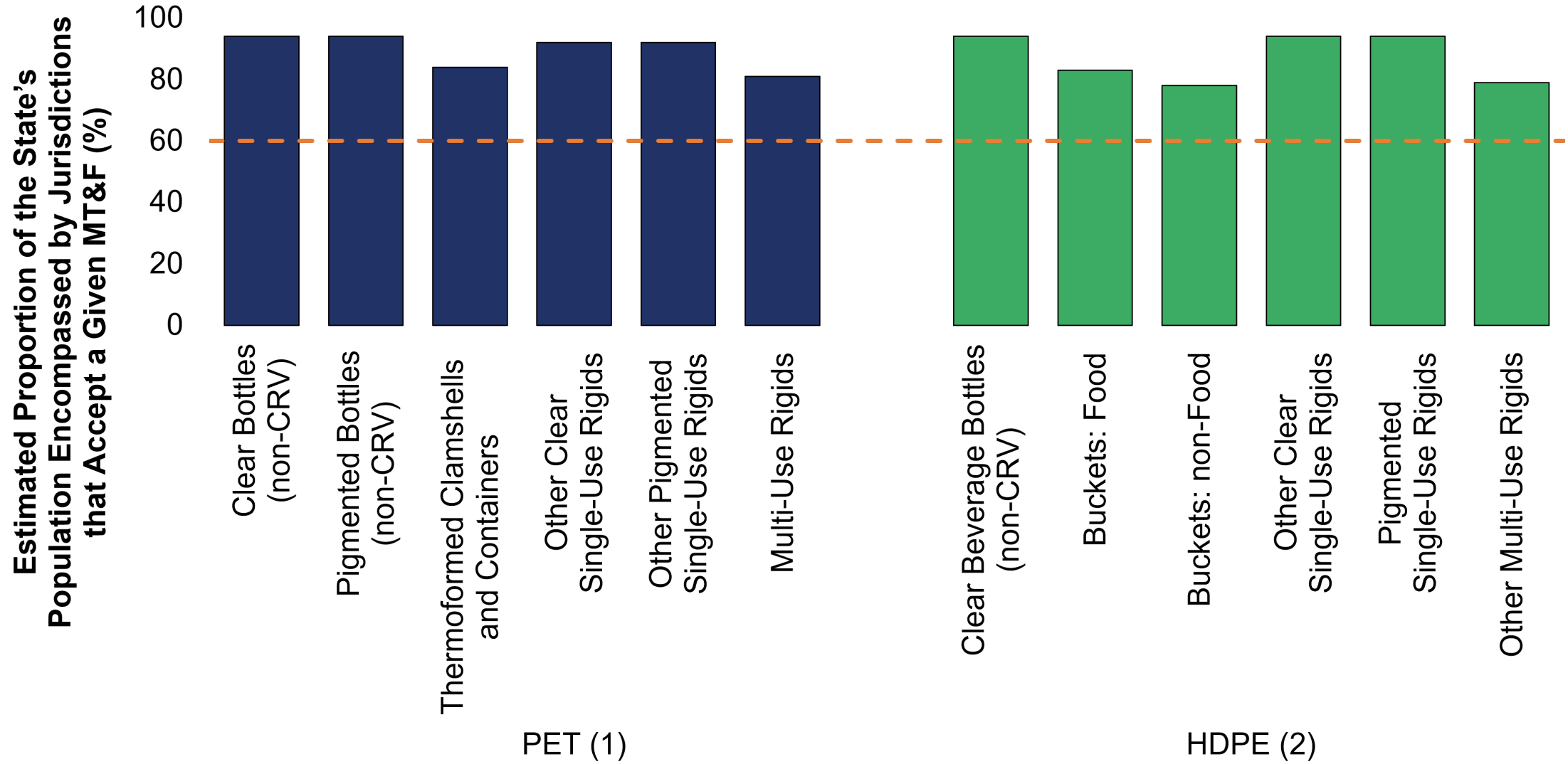
Collection by Jurisdiction Recycling Programs: Mixed



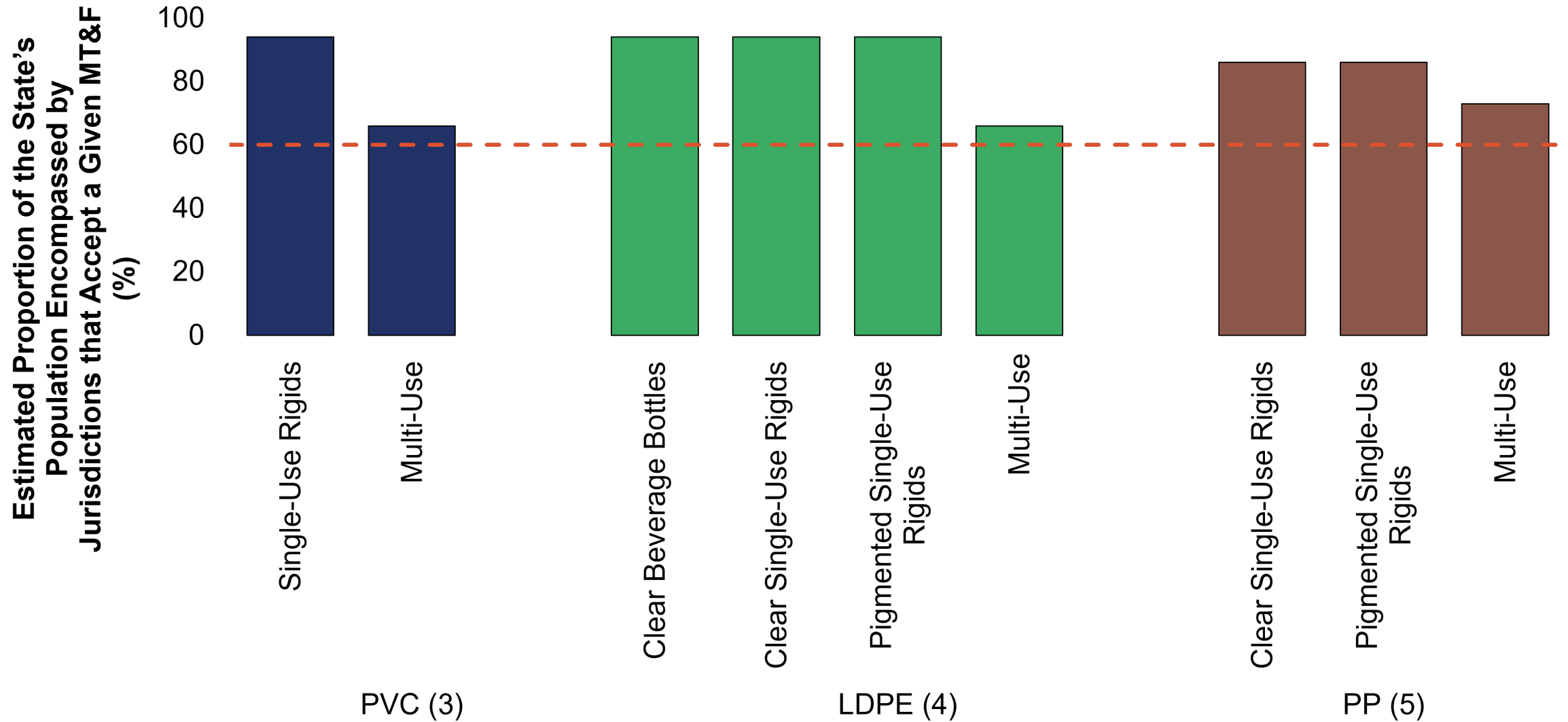
Collection by Jurisdiction Recycling Programs: Paper/Fiber



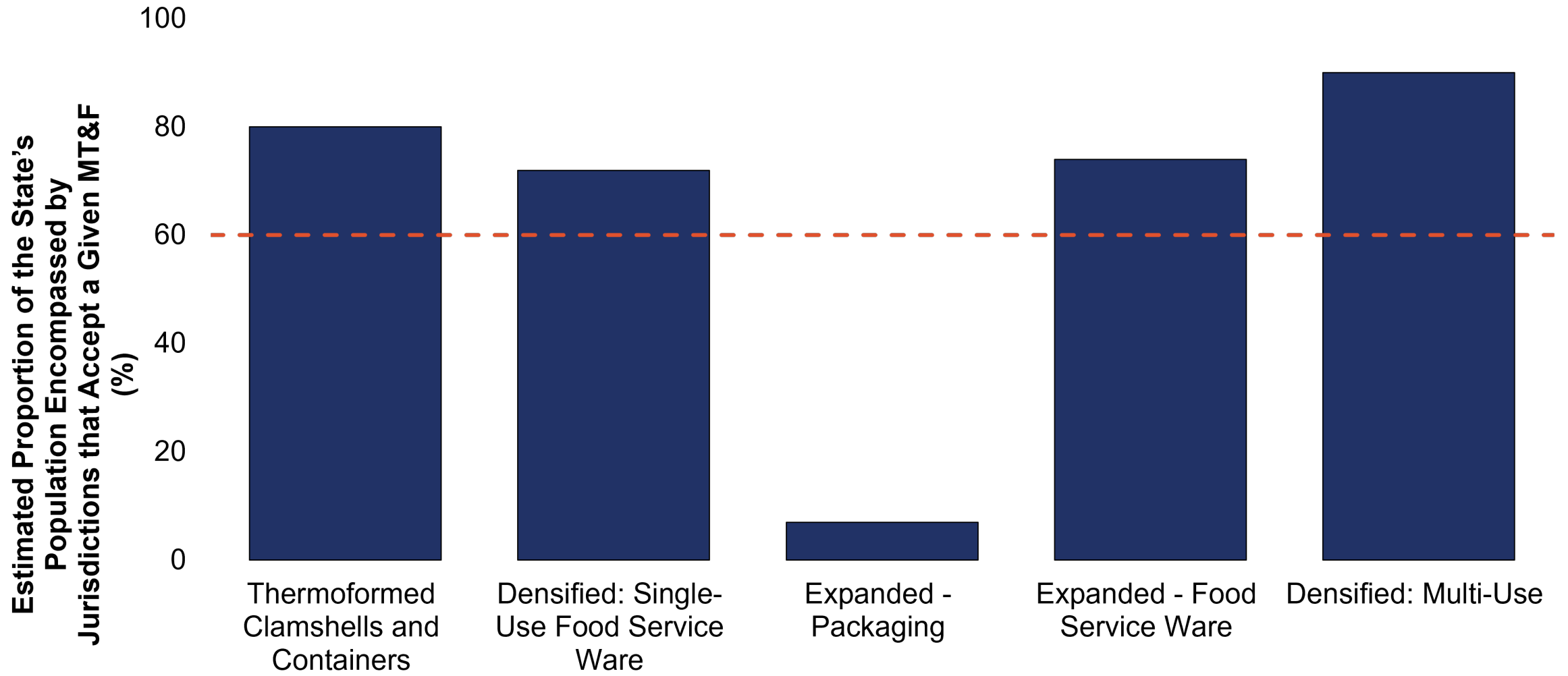
Collection by Jurisdiction Recycling Programs: Plastics 1 & 2



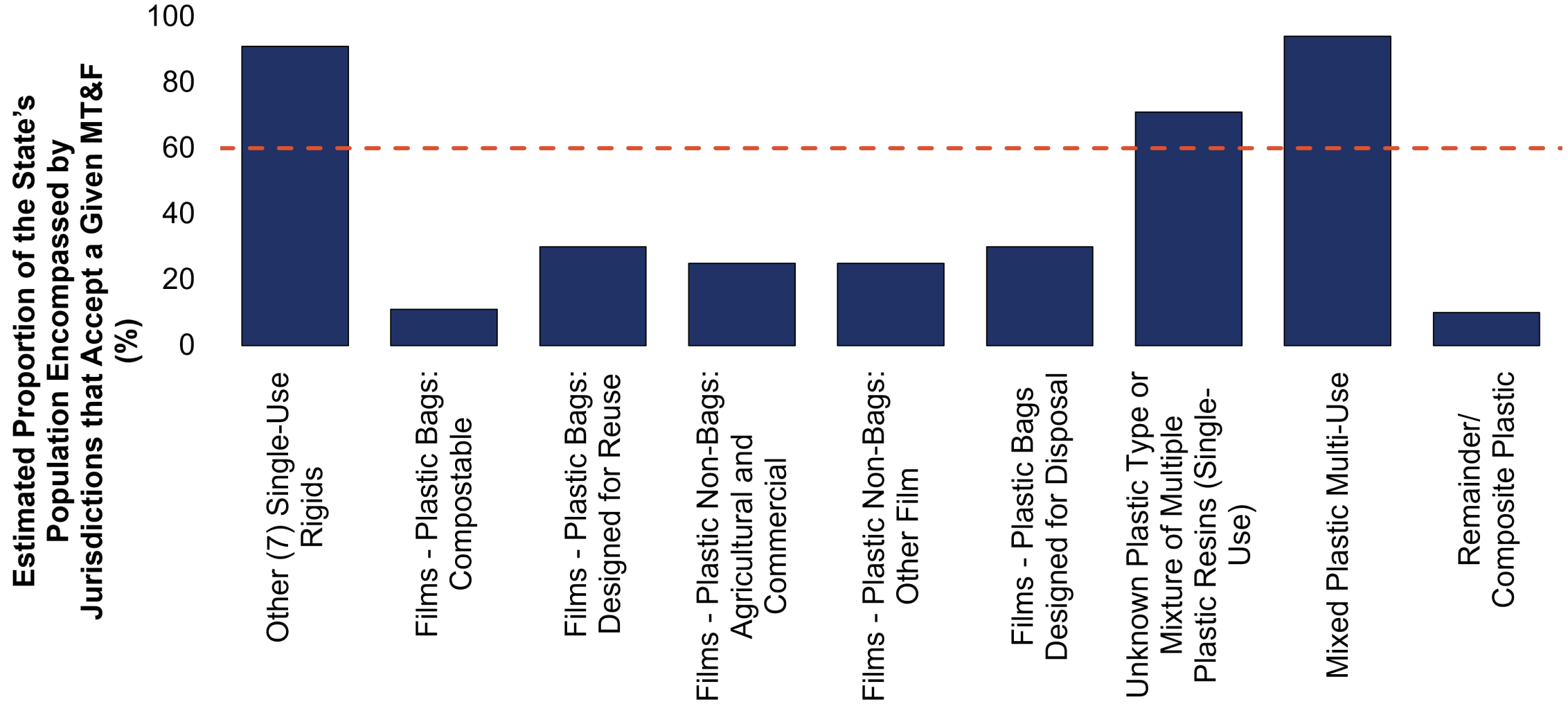
Collection by Jurisdiction Recycling Programs: Plastic



Collection by Jurisdiction Recycling Programs: PS Plastic



Collection by Jurisdiction Recycling Programs: Plastic Films and Mixed Plastic



Collection by Jurisdiction Recycling Programs: Special Waste and Textiles



Part III. MRF Survey and Sampling – Methodology and Preliminary Findings

**Department of Resources Recycling and Recovery,
Knowledge Integration Section**

Audrey Vorametsanti and Nik Soltis
Environmental Scientists

Overview

- Initial list of 50 permitted Large Volume Transfer/Processing Facility (LVTPs) with average quarterly potential reuse (AQPR) outflows of over 4,000 tons. CalRecycle conducted 2 types of surveys:
 - Initial phone survey
 - In-person survey
- In total:
 - 37 phone surveys conducted
 - 24 in-person surveys conducted

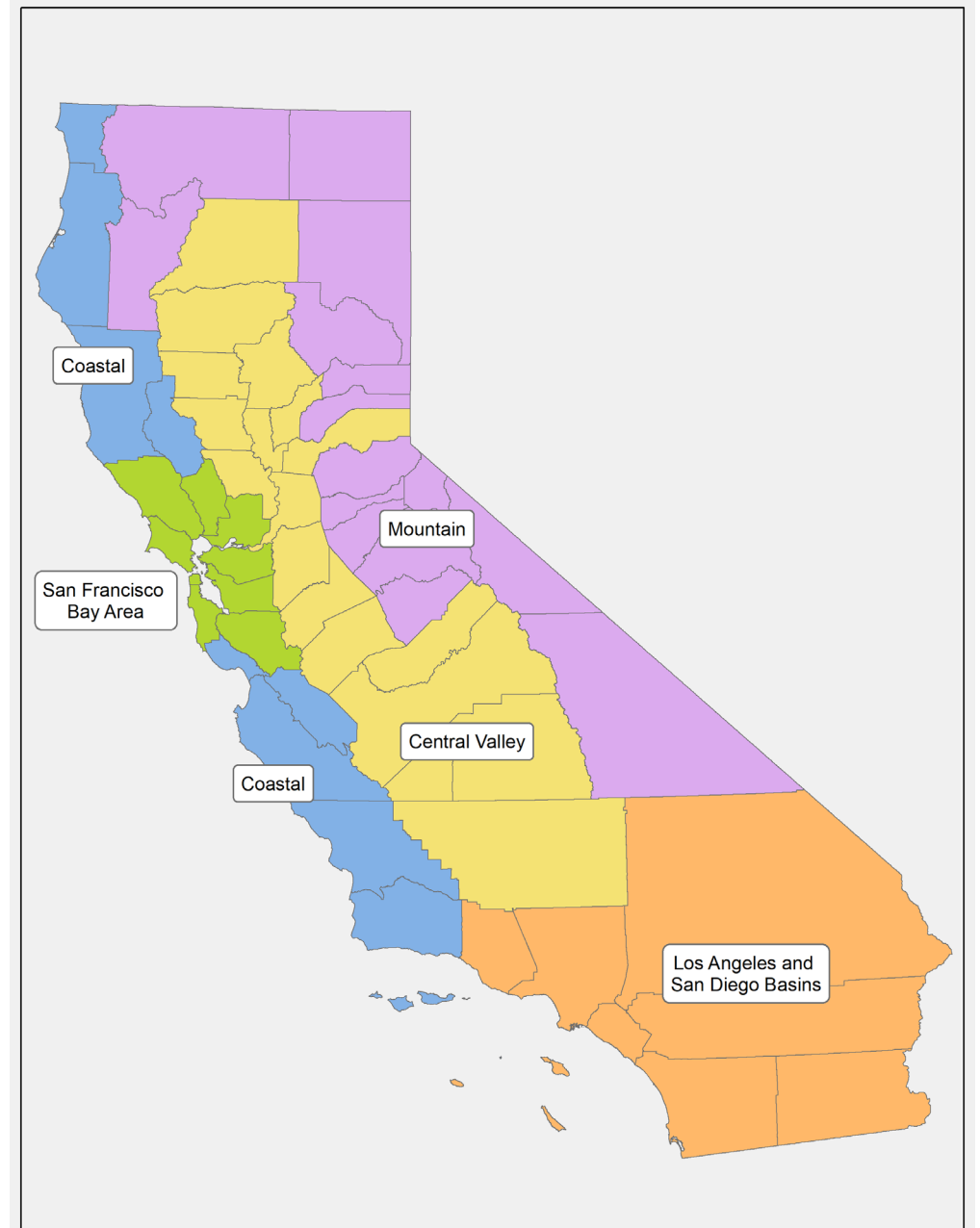
MRF Survey

- Phone survey collected basic information such as:
 - Capacity & Inflows
 - Sectors & Types of Materials Received
 - Processing Technologies
 - Outflows
- In-person survey collected more detailed information such as:
 - Contamination
 - Bale Destinations
 - Origins of Processed Materials

Site Selection

- 10 facilities selected for sampling and sorting

Region	Facility Count
Coastal	1
Mountain	1
San Francisco Bay Area	3
Central Valley	3
Los Angeles and San Diego Basins	2



Field Sampling – Material Characterization Study

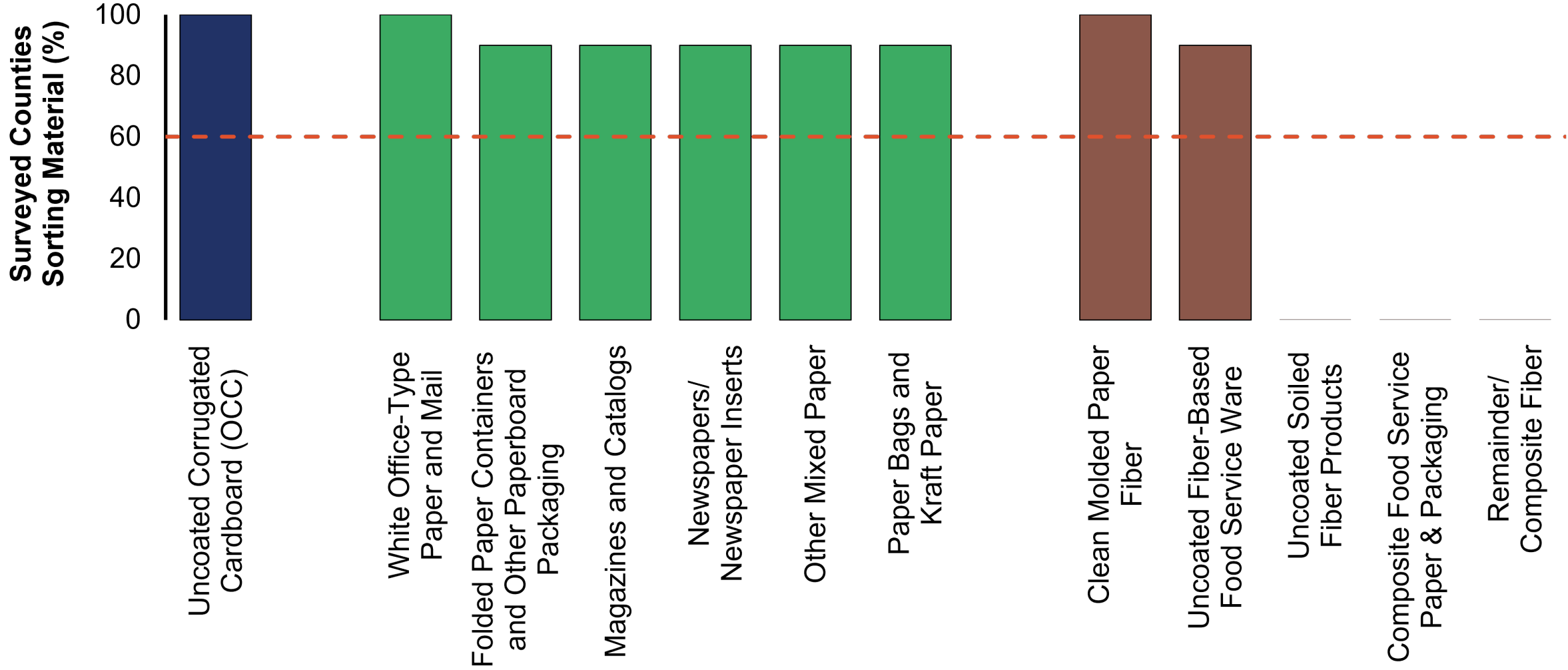
- Hand-sorted samples of recyclable outflows at MRFs
- Visual characterization of outflows that could not be hand-sorted

Outflow Category	Outflows Sampled
Fiber	Aseptic/ Carton; Corrugated Cardboard; Mixed Paper; ONP and Mixed Paper; Shredded Paper; White Office Paper
Glass	Brown/ Amber; Clear/ Flint; Green/ Emerald; Fines; Mixed Glass
Metal	Aluminum – UBC; Copper; Ferrous Metal; Metal Scrap; Mixed Metal – Non-Ferrous; Mixed Metal – Small Ferrous; Other Aluminum; Steel Cans
Plastic	HDPE Mix; HDPE Natural Bottle & Container; HDPE Pigmented Bottle & Container; Mixed Rigid Plastic; PET Bottle; PET Bottle & Container; Plastic #3-#7 Mix; Plastic Film; Plastic Film – Agricultural & Commercial; Polypropylene

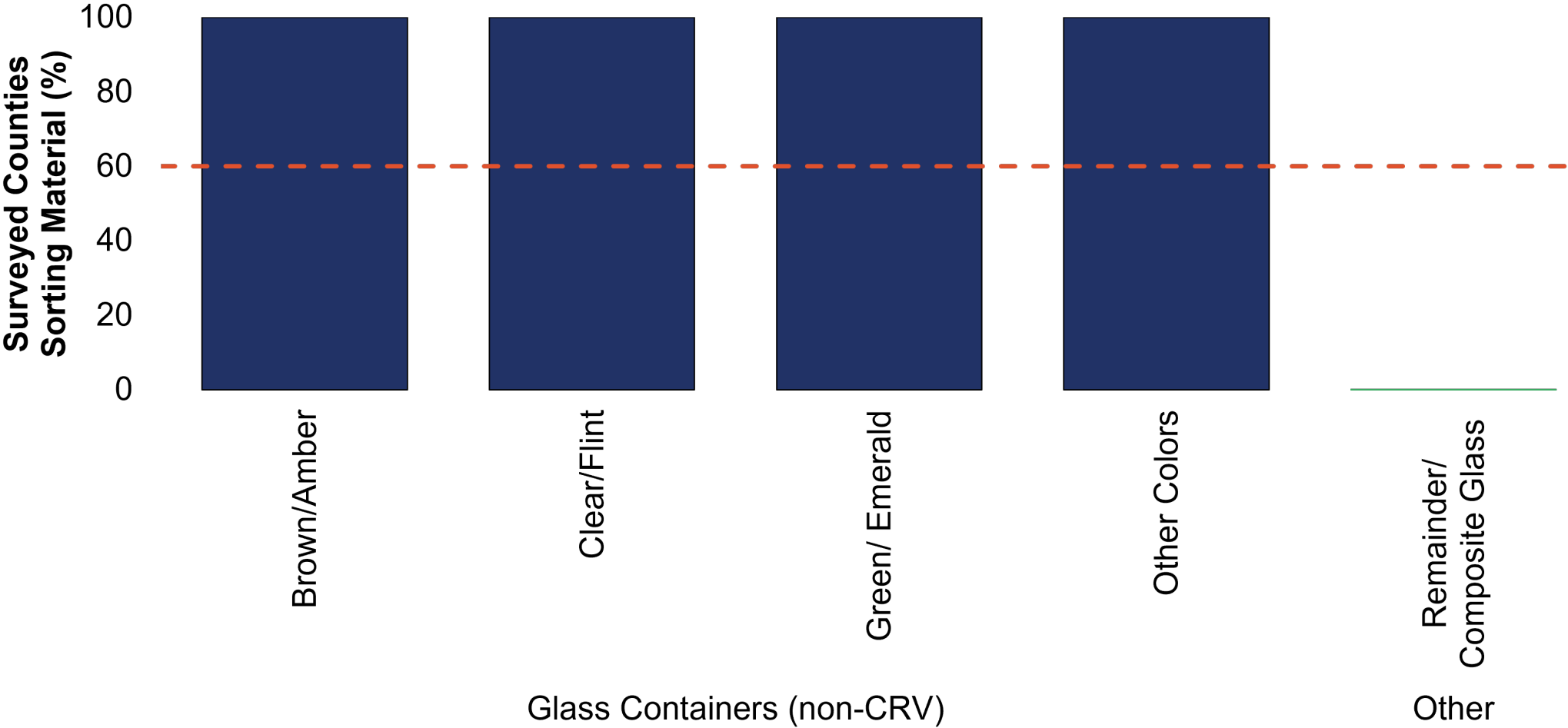
Field Sampling – MCS Results

- Material type and forms sorted and baled by large volume transfer or processing facilities.
- We will refer to this as "recovery by MRFs" and "sorting rate"

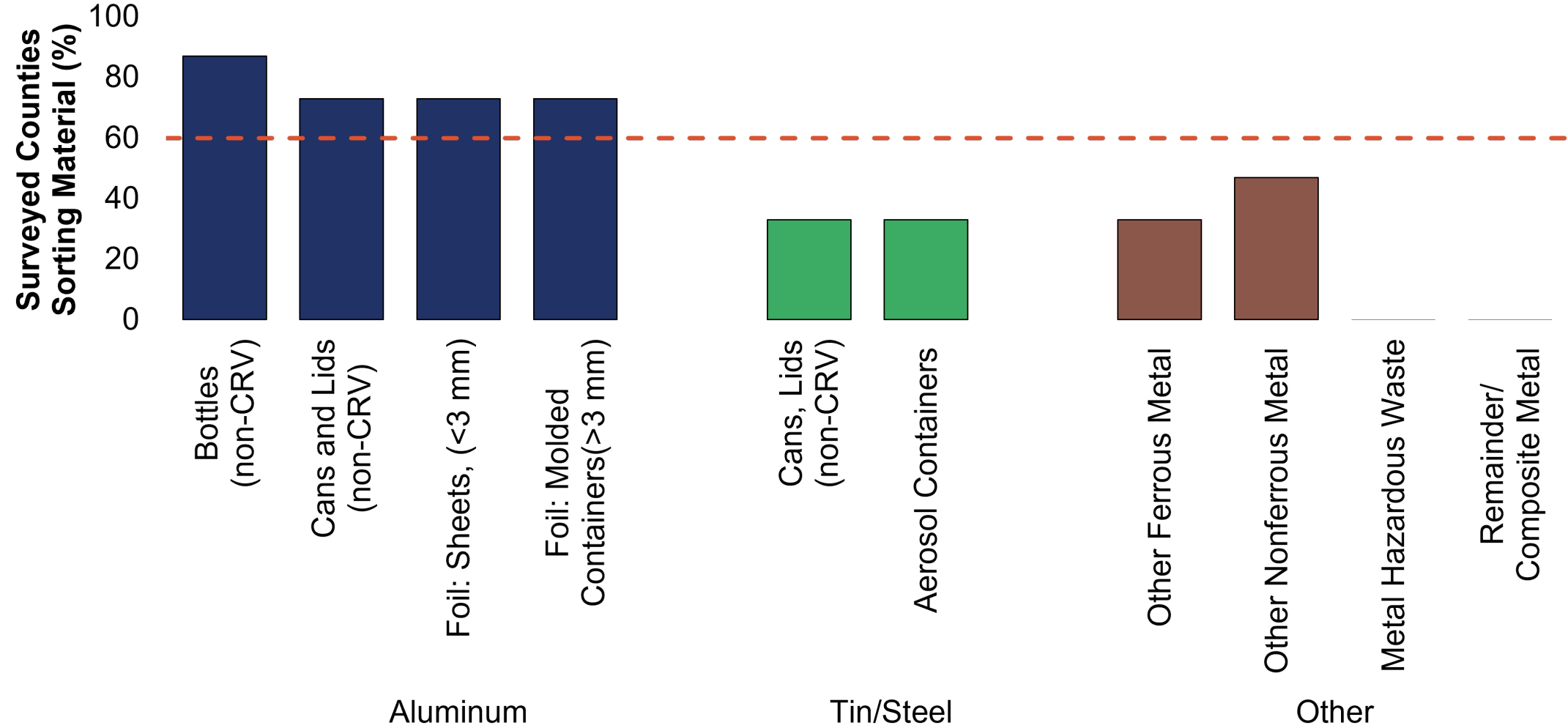
Recovery by MRFs: Fiber



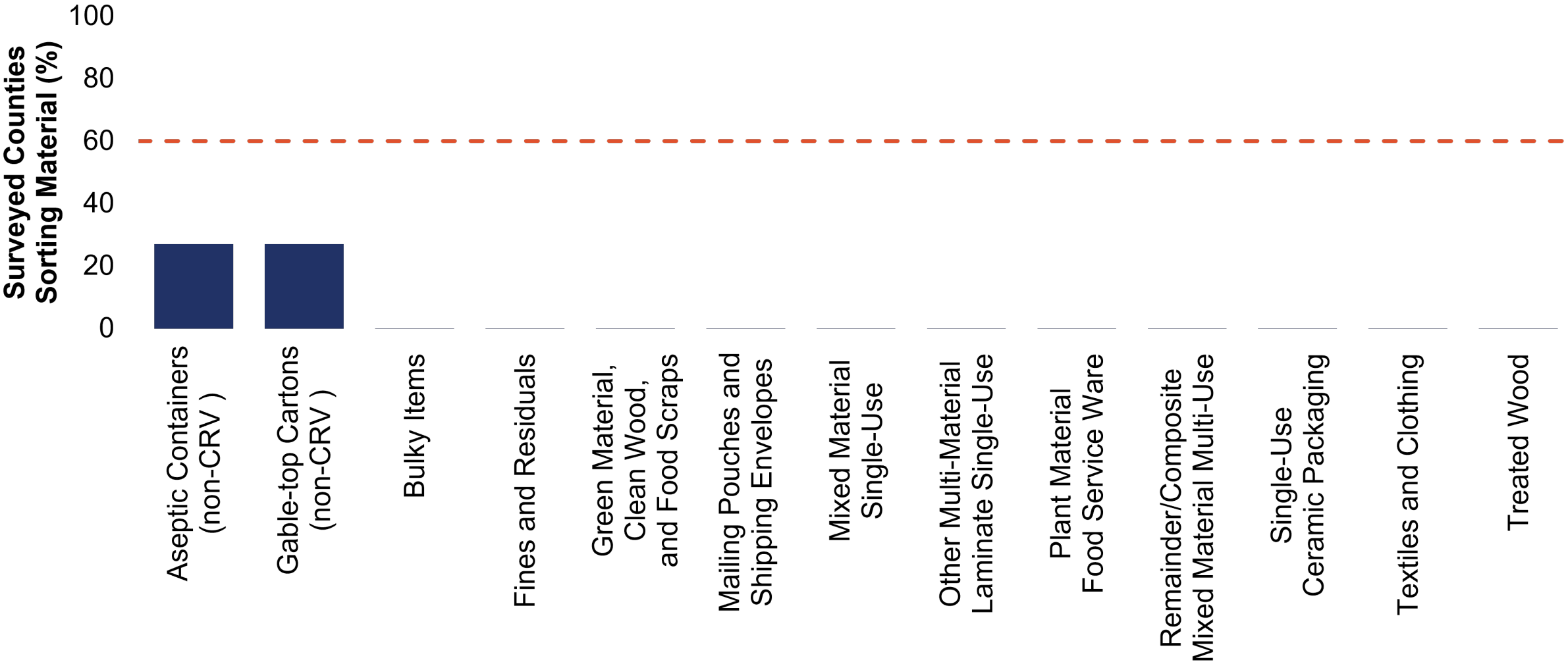
Recovery by MRFs: Glass



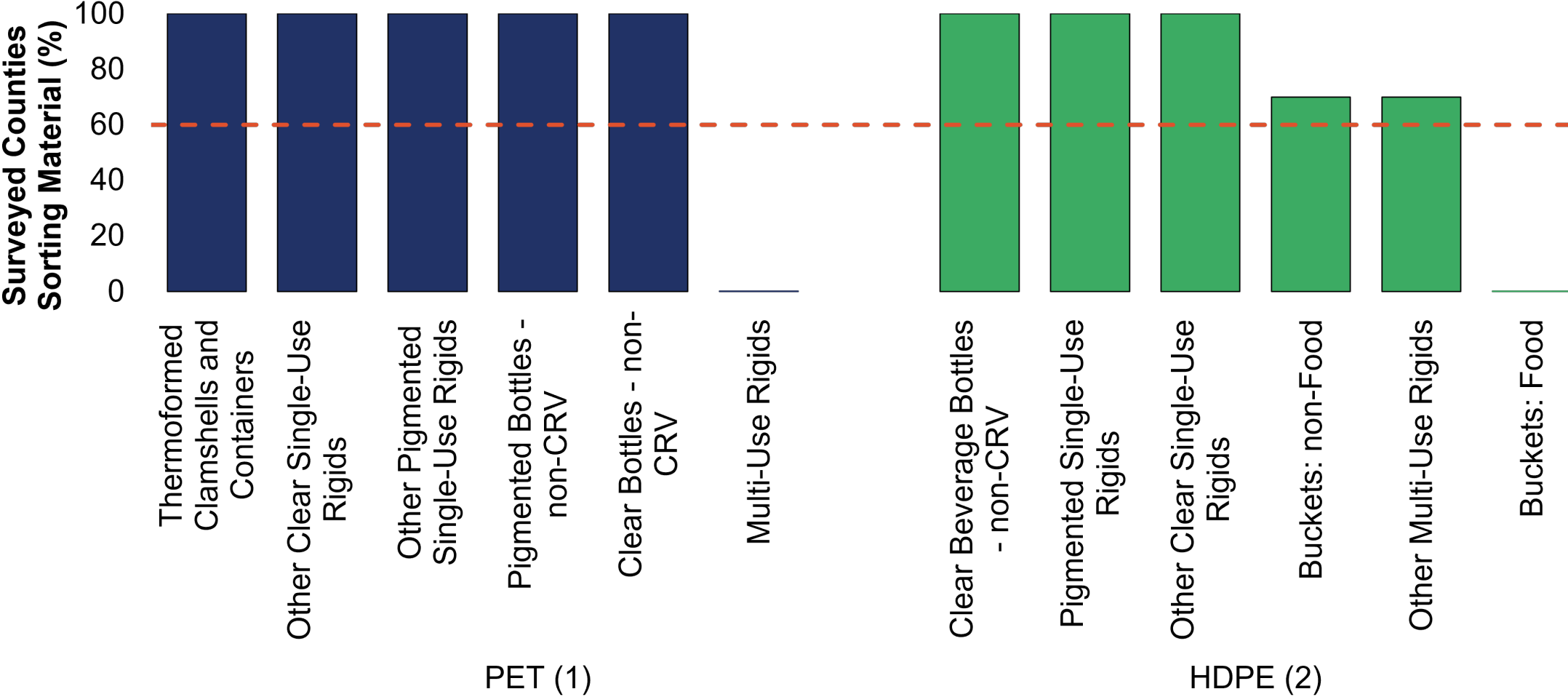
Recovery by MRFs: Metal



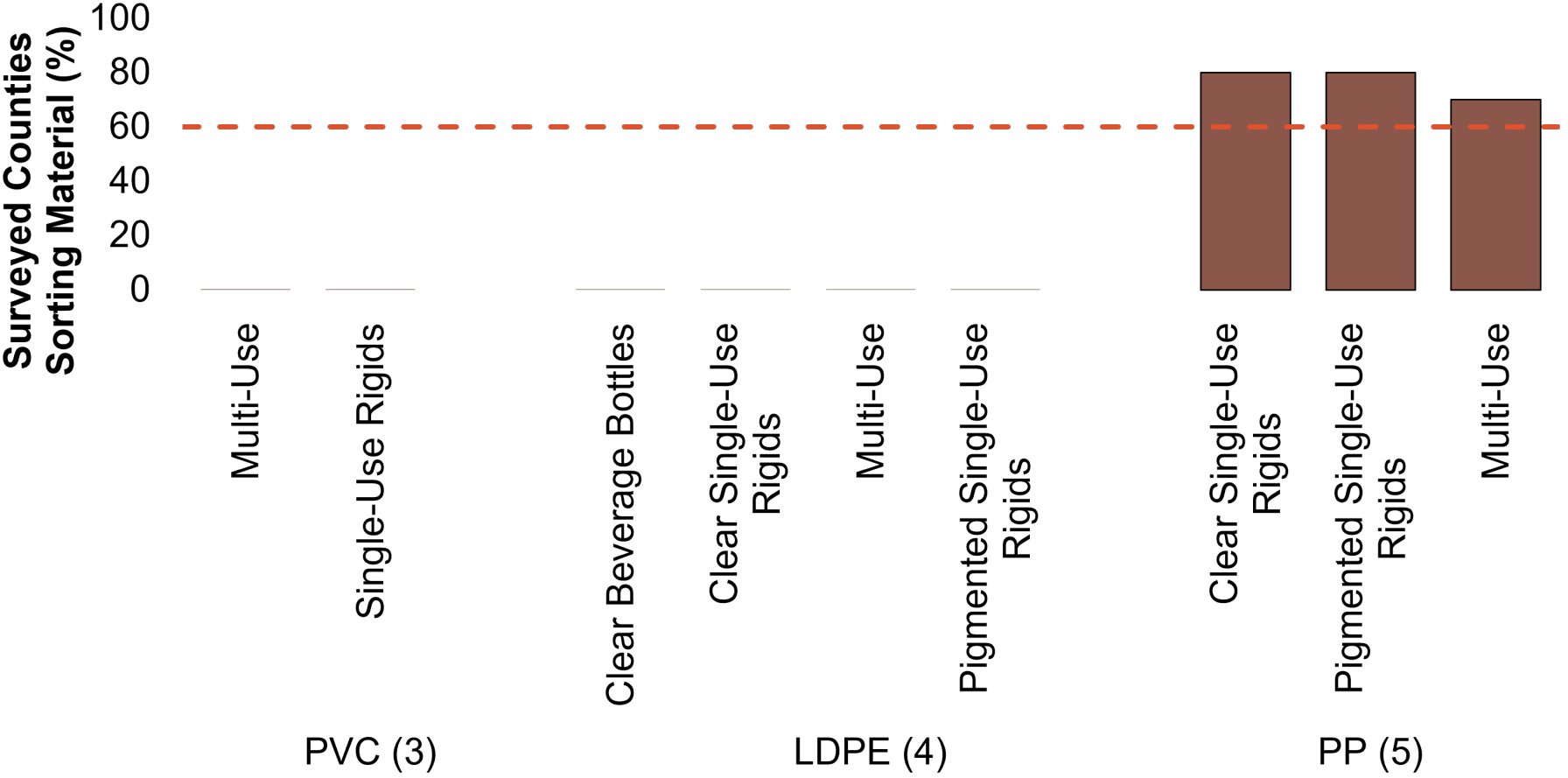
Recovery by MRFs: Mixed Materials



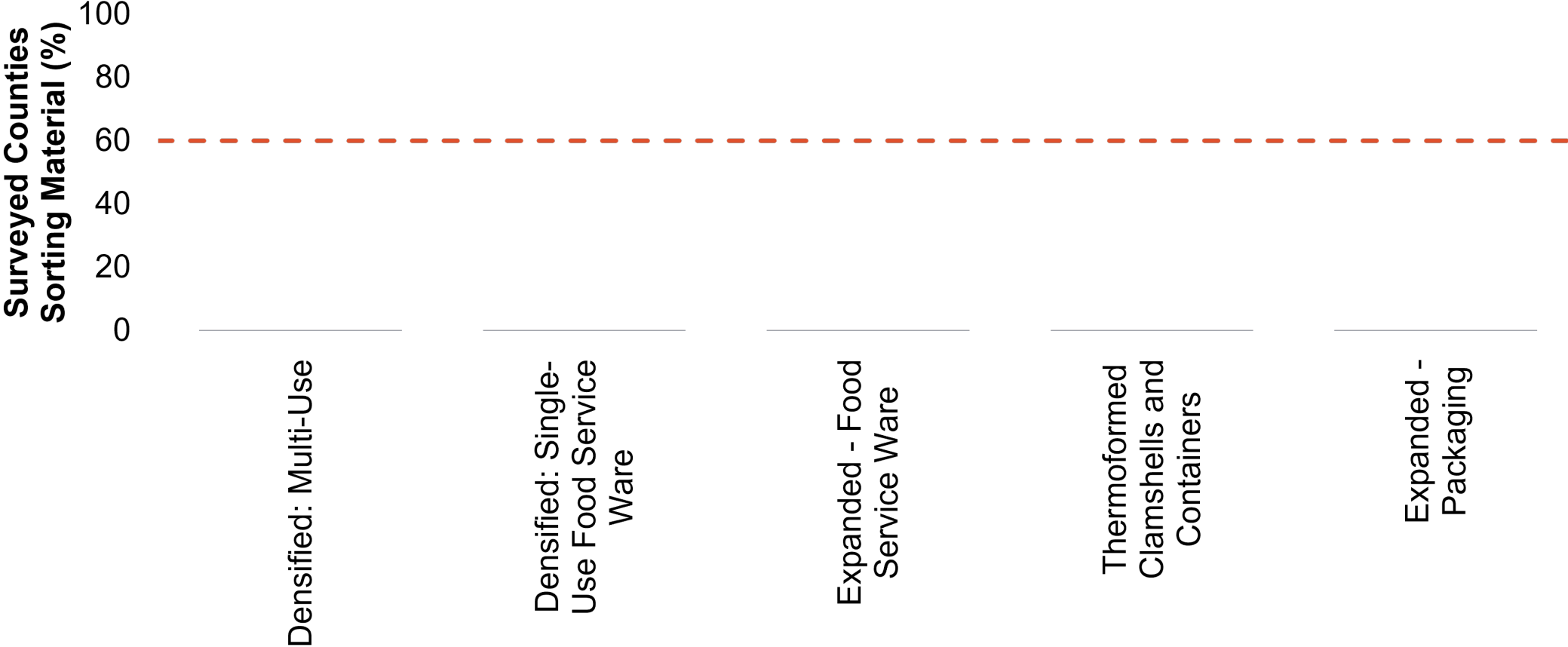
Recovery by MRFs: Plastic – PET (1) and HDPE (2)



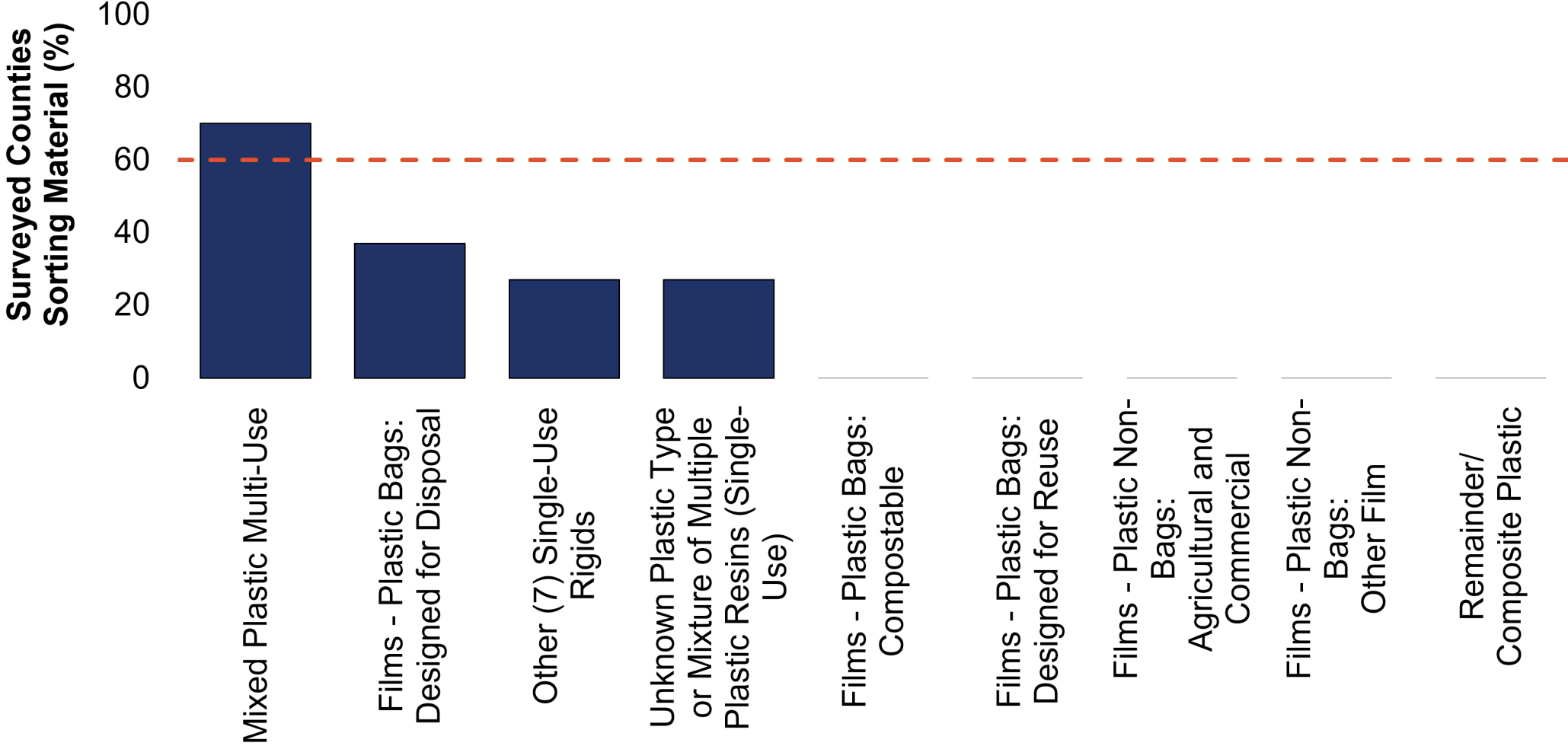
Recovery by MRFs: Plastic – PVC (3), LDPE (4) and PP (5)



Recovery by MRFs: Plastic – PS (6)



Recovery by MRFs: Plastic – Other



Break

Please return by:
2:00 PM

Next Steps

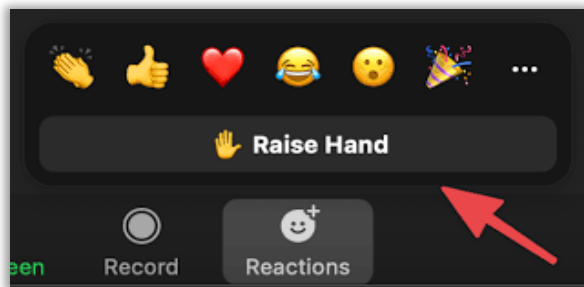
Next Steps (2)

- Public Comments
 - Written feedback may be submitted to wastechar@calrecycle.ca.gov with subject line “*SB 343 Preliminary Findings*”.
 - Members of the public are requested to submit public comments, by **April 2, 2024**
- Formal public meeting to present the preliminary findings and receive public comments
- Final publication of SB 343 Findings Report
- Other Upcoming Milestones
 - Revised Recycling and Disposal Reporting System (RDRS) regulations take effect on April 1, 2024
 - Next update to the SB 343 Material Characterization Study is required in 2027

Questions & Comments

Questions and Comments (2)

- To speak in-person, please line up at the podium.
- To make an oral comment via Zoom, please raise your hand and the host will unmute you.



- To make a written comment via Zoom, please use the chat box.