

Plastic Pollution Prevention and Packaging Producer Responsibility Act (SB 54)

Needs Assessment and Covered Material Categories

SB 54 (Allen, Chapter 75, Statutes of 2022)

Department of Resources Recycling and
Recovery (CalRecycle)

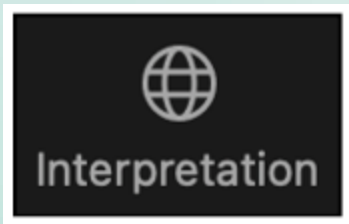
May 01, 2024



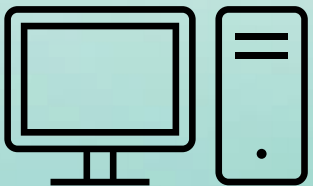
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Focus of Today's Workshop

- This workshop will not address any topics pertaining to regulations or draft regulatory text.
- Please direct written comments related to draft regulations by May 8, 2024 to the online public comment portal which can be found on [CalRecycle's website](#).
- Please direct any questions or comments specific to an advertised contract solicitation to contracts@calrecycle.ca.gov. More information on contract solicitations can be found on CalRecycle's [contracts webpage](#).
- All previous workshop materials are available on our [webpage](#) under *Past Events*.

Agenda

Moderator and Opening Remarks

Karen Kayfetz, Branch Chief, Product Stewardship Branch

Topic 1: Needs Assessment

Alessandra Arif, Environmental Scientist – Knowledge Integration Section

Lexi Tufo, Environmental Scientist – Packaging EPR Section

Part I: Background Information

Part II: Update on Needs Assessment Development

Part III: Process for Contracted Studies

Part IV: Updates on Proposed Collaboration & Engagement

Topic II: Covered Material Categories

Emily Hai, Environmental Scientist – Packaging EPR Section

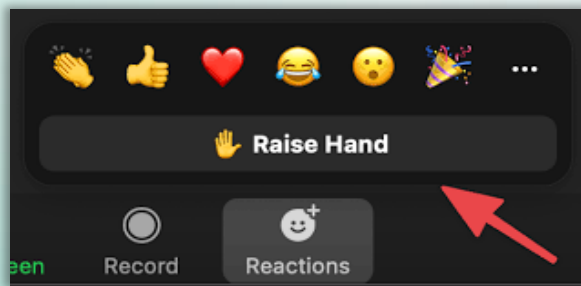
Rachel Messina, Environmental Scientist – Knowledge Integration Section

Part I: Background Information

Part II: Proposed Updates to Covered Material Categories

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.

Upcoming Contract Solicitations

SB 54 Material Characterization Study

Request for Proposal (RFP) to be released soon

- Disposal-based characterization study to determine the approximate amount of covered material disposed of in California landfills
- Contract execution expected in August
- Preliminary findings published by July 1, 2025

Subscribe to the [Material Characterization Study Listserv](#) or [Packaging Listserv](#) for updates.

Rural Infrastructure Study to Inform Zero Waste Plan

Request for Proposal (RFP) to be released soon

- Current waste and materials management practices
- Local government resources in California rural counties
- Contract execution sometime in July 2024.

Subscribe to the [Material Characterization Study Listserv](#) for updates

Topic I. Needs Assessment

**Department of Resources Recycling and Recovery
Packaging EPR Section/Knowledge Integration Section**

Alessandra Arif
Environmental Scientist

Lexi Tufo
Environmental Scientist

Overview of Presentation

- **Part I: Background Information**
 - Overview of Needs Assessment
- **Part II: Updates on Needs Assessment Development**
 - NA Item 1: Overview of Studies
 - NA Items 2-7: Needs Assessment Studies
- **Part III: Process for Contracted Studies**
 - NA Item 7: Contracting Process
- **Part IV: Updates on Proposed Engagement & Collaboration**
 - NA Item 8: Goals of Collaboration and Engagement
 - NA Item 9: Proposed Collaboration and Engagement
 - NA Item 10: New SmartComment Portal for Needs Assessment

Follow along using the Discussion Document



Part I. Background Information

Needs Assessment Evaluations

- PRC § 42067 outlines the requirements of the statewide needs assessment, which will be designed to determine the **actions and investments** needed for covered material to meet the requirements of SB 54.
 - Evaluations by covered material category
 - **16 mandatory evaluations** across the lifecycle of covered material, including:
 - Product design
 - Collection
 - Reuse and refill systems
 - Recycling and composting systems
 - End markets & market Development
 - Consumer Education

Summary of CalRecycle Responsibilities

- CalRecycle will guide development of the needs assessment through a **collaborative process** with the PRO and a broad diversity of interested parties, including local jurisdictions, recycling service providers and processors— PRC § 42067(d).
- The needs assessment must be developed through a **public process** including at least one public meeting at which CalRecycle provides the PRO, the advisory board, and any interested members of the public the opportunity to provide input – PRC § 42067(g).
- CalRecycle must update the needs assessment every five years, or as necessary – PRC § 42067(a).



Summary of Producer Responsibilities

- PRO plan must describe how to implement actions and investments laid out in the needs assessment – PRC § 42051.1(b)(1).
- PRO plan and budget must include consideration of the needs assessment and any recommended investments – PRC § 42051.1(a)(1).
- The PRO shall reimburse CalRecycle for the costs of developing needs assessment – PRC § 42067(b).

Part II. Updates on Needs Assessment Development

NA Item 1: Overview of NA Studies

Study Name	Proposed Budget	Approximate Contract Solicitation Date
#1: Source Reduction Baseline Study	\$500,000	<i>Posted April 25, 2024</i>
#2: Collection, Processing, and End Markets Study	\$2,200,000	Summer 2024
#3: Source Reduction and Covered Material Design Study	\$1,200,000	Fall 2024
#4: Consumer Education and Access Study	\$100,000	Mid/Late 2024
#5: Current and Needed State of Funding and Statutory Provisions Study	N/A (no contracted portion)	N/A

NA Item 2: Source Reduction Baseline Study (1/3)

Strategy for Completion: Contract

Proposed Contract Details:

- **Budget:** \$500,000
- **Type of Contract:** Secondary Request for Proposal (RFP)
- **Contract Solicitation Date:** Posted April 25, 2024
- **Contract Completion:** By November 2024

Statutory Evaluations:

- PRC § 42067 (e)(3): (C) & (E)
- PRC § 42067 (e)(5): (E) & (I)

NA Item 2: Source Reduction Baseline Study (2/3)

Recently Released Contract Solicitation (DRR24011):

- **Contract Solicitation Release Date:** April 25, 2024
- **Proposer Conference:** May 9, 2024 at 10am (via Zoom)
- **Deadline to Submit Written Questions:** May 16, 2024 at 5pm
- **Deadline to Submit Proposals:** May 28, 2024 at 2 pm

For more information, including the Request for Proposal (RFP), visit:
<https://www2.calrecycle.ca.gov/contracts/current/>

CalRecycle must receive any questions or comments specific to an advertised contract solicitation through contracts@calrecycle.ca.gov. Please note that questions on advertised contract solicitations that are not received through the Contracts inbox cannot be addressed.

NA Item 2: Source Reduction Baseline Study (3/3)

The Contractor shall:

- Estimate the weight and number of plastic components of plastic covered material for the baseline year 2023 which will include:
 - Collecting foundational data
 - Auditing and conducting gap analysis on foundational data
 - Developing methodology to extrapolate foundational data to 2023 baseline
 - Estimating source reduction baseline

NA Item 3: Collection, Processing, and End Markets Study (1/3)

Strategy for Completion: Internal and Contract

Proposed Contract Details:

- **Budget:** \$2,200,000
- **Type of Contract:** Secondary Request for Proposal (RFP)
- **Contract Solicitation Date:** July 2024
- **Contract Completion:** By September 2025

Statutory Evaluations:

- PRC § 42067 (e)(2): (G)-(K)
- PRC § 42067(e)(3): (A),(B),(D)
- PRC § 42067(e)(5): (A),(B) and (F)

NA Item 3: Collection, Processing, and End Markets Study (2/3)

CalRecycle's Role

- *Will cover recycling, including composting and other forms of organics recycling*
- Provide the awarded contractor with data available to CalRecycle that is relevant to the study
- Conduct additional analyses, as relevant and when data is available, such as:
 - Recycling infrastructure and needs in rural areas of California
 - Residential curbside collection of covered materials by jurisdiction
 - Large-volume transfer-processor acceptance and aggregation of covered materials
 - Role of artificial intelligence (AI) in the Circular Economy
- Synthesize findings from the contracted study and any additional analyses and feedback provided by interested parties to develop and publish the needs assessment findings

NA Item 3: Collection, Processing, and End Markets Study (3/3)

**Will cover recycling, including composting and other forms of organics recycling*

The Contractor will:

- Evaluate the current state of covered material flow through collection (curbside and non-curbside), processing, and end markets
 - ***Include evaluation of litter and leakage***
- Evaluate potential actions and investments are needed to meet: (1) 65% recycling rate for plastic covered material by 2032; and (2) 100% of covered material being recyclable or compostable by 2032.
 - ***Includes evaluations for improved design for recyclability and compostability***

NA Item 4: Source Reduction and Material Design Study (1/3)

Strategy for Completion: Internal and Contract

Proposed Contract Details:

- **Budget:** \$1,200,000
- **Type of Contract:** Secondary Request for Proposal (RFP)
- **Contract Solicitation Date:** November 2024
- **Contract Completion:** By October 2025

Statutory Evaluations

- PRC § 42067 (e)(2): (G)
- PRC § 42067(e)(3): (C) & (E)
- PRC § 42067(e)(5): (E)

NA Item 4: Source Reduction and Covered Material Design Study (2/3)

CalRecycle's Role

- Provide the awarded contractor with data available to CalRecycle that is relevant to the study
- Conduct additional analyses, as relevant and when data is available, such as:
 - Overview of existing packaging and food service ware types and materials
 - Identify existing reuse/refill infrastructure, including locations and capacity
- Synthesize findings from the contracted study and any additional analyses and feedback provided by interested parties to develop and publish the needs assessment findings

NA Item 4: Source Reduction and Covered Material Design Study (3/3)

The Contractor will:

- Evaluate the current state of reuse and refill systems in California, including existing infrastructure, capacity, and accessibility.
- Evaluate potential actions and investments that are needed to meet 25% source reduction by 2032 for plastic covered material, including reuse and refill

NA Item 5: Consumer Education and Access Study (1/3)

Strategy for Completion: Internal & Contract

Proposed Contract Details:

- **Budget:** \$100,000
- **Type of Contract:** Primary Request for Proposal (RFP) or Invitation for Bid (IFB)
- **Contract Solicitation Date:** Mid/Late 2024
- **Contract Completion:** By October 2025

Statutory Evaluations:

- PRC § 42067 (e)(2): (C), (F), & (J)
- PRC § 42067(e)(3): (C) & (E)

NA Item 5: Consumer Education and Access Study (2/3)

CalRecycle's Role

- Design survey and/or focus group questions to understand:
 - (1) the current state of consumer knowledge, perceptions, and access to recycling;
 - (2) consumer education needs;
 - (3) perceptions of source reduction strategies and reuse/refill systems
- Engage with interested parties to get feedback on survey questions, pilot surveys, and administer focus groups
- Analyze data collected from survey and focus groups
- Synthesize findings from this study with findings from other studies and publish the needs assessment findings

NA Item 5: Consumer Education and Access Study (3/3)

The Contractor will:

- Administer a statewide survey to collect representative information on consumer education and access to recycling, composting, source reduction, and reuse and refill systems

NA Item 6: Current and Needed State of Funding and Statutory Provisions

Strategy for Completion: Internal

Statutory Evaluations

- PRC § 42067 (e)(2): (A) & (G)

CalRecycle's Role:

- Evaluate current state programmatic resources related to recycling, reuse, and source reduction of covered material
- Synthesize study outputs to develop NA recommendations and deliverables

Request for Feedback:

CalRecycle is seeking feedback on the proposed scope of the contracted studies, including the proposed timeline, contact structure, and budget.

CalRecycle is also seeking any other feedback to maximize the success of the contract solicitation and contract execution, including feedback on the proposed study goals and approaches in terms of budget, data availability, data sensitivity, and other constraints that would impact contract success.

Part III. Process for Contracted Studies

NA Item 7: Contracting Process (1/2)

1

CalRecycle Conducts Internal Work

- Determines existing internal and external resources available to answer key study objectives
- Select Request for Proposal (RFP) type
- Host workshops, solicit feedback from interested parties, conduct market research to inform the Scope of Work (SOW) development

2

CalRecycle Develops the RFP

- RFP development includes:
 - Proposal instructions and requirements
 - Scoring criteria
 - SOW

3

RFP Solicitation Process Begins

- Typically 6-8 week period, potentially longer
- May include a Proposer's Conference
- Question-and-answer period begins with solicitation and ends a few weeks into solicitation
- Addendum provided to solicitation to answer questions.

4

CalRecycle Scores the Received Proposals

- CalRecycle will review received proposals and score them using scoring criteria as provided in the RFP solicitation

Process continued on next slide 

NA Item 7: Contracting Process (2/2)

5

Contract is Awarded and Study Execution Begins

- The awarded contractor engages with interested parties as directed in contract

6

Deliverables are Submitted to CalRecycle

- CalRecycle reviews deliverables for inclusion in the needs assessment findings
- All contracted work is proposed to be completed by Fall 2025

7

Final Needs Assessment Findings Published by January 2026

- CalRecycle will publish the Needs Assessment findings as available

Part IV. Updates on Proposed Engagement & Collaboration

NA Item 8: Goals of Collaboration and Engagement

- Consistent with PRC 42067(a), (d), and (g), CalRecycle has identified the following as goals of collaboration and engagement:
 - Communication of Needs Assessment through multiple accessible platforms to enable meaningful engagement and solicit feedback from a variety of interested parties
 - Ensure feedback is considered and received in a way that minimizes the burden on interested parties
 - Receive information that could be used in the NA analyses to ensure valid findings that reflect the diverse needs of CA

NA Item 9: Proposed Collaboration and Engagement

- Develop a user-friendly online portal (**SmartComment**) for interested parties to submit feedback, comments, and data
- Continued non-regulatory public workshops to provide updates on NA development
- Use existing meetings to engage with interested parties
- Develop contract solicitations to allow for engagement by Contractors with interested parties to meet the objectives of each contract, including developing proposal scoring criteria that includes points for experience with community engagement and other types of collaboration
- Engage with disadvantaged communities and environmental justice organizations through contracted studies and engagement by CalRecycle.
- Acknowledge and summarize feedback received from interested parties and provide any steps taken in response to feedback during public workshops.

Request for Feedback:

CalRecycle is seeking feedback on the proposed collaboration and engagement summarized above, with specific feedback requested on existing meetings and opportunities for engagement as well as preferred modes of engagement.

NA Item 10: New SmartComment Portal for NA

- A new, user-friendly online portal is available for interested parties or members of the public to submit comments, feedback, and any relevant data related to the needs assessment.
- Please check the [SB 54 Needs Assessment webpage](#) to access the SmartComment portal.
- Instructions on how to submit a comment are detailed on the SmartComment portal website.

Process for Submitting Written Feedback: Needs Assessment

- **For Questions Related to Advertised Contract Solicitations**
 - CalRecycle must receive any questions or comments specific to an advertised contract solicitation through contracts@calrecycle.ca.gov. Please note that questions on advertised contract solicitations that are not received through the Contracts inbox cannot be addressed.
- **For Other Questions:**
 - All other Needs Assessment related questions can be submitted to packaging@calrecycle.ca.gov with the subject line: *SB 54 Needs Assessment*. Written questions can be provided prior to the workshop and after.
 - CalRecycle requests all questions specific to the May 1st Workshop to be submitted no later than **May 17, 2024**.
- **For Comments or Other Feedback:**
 - All Needs Assessment comments or suggestions should be submitted to our Needs Assessment SmartComment Portal.

Questions?

CalRecycle is seeking feedback on the process for submitting feedback on the Needs Assessment. Please include any questions on the Needs Assessment SmartComment Portal or any other question/comment processes.

Topic II. Covered Material Categories

**Department of Resources Recycling and Recovery
Packaging EPR Program/Knowledge Integration Section**

Emily Hai

Environmental Scientist

Rachel Messina

Environmental Scientist

Overview of Presentation

- **Part I: Background Information**
 - Relevant Definitions
 - Overview of Covered Material Categories
- **Part II: Proposed Updates to Covered Material Categories**
 - CMC Item 1: Estimated Timeline for Covered Material Category Development
 - CMC Item 2: Covered Material Categories

Follow along using the Discussion Document



Part I. Background Information

Relevant Definitions

- Covered material – PRC 41041(e)
 - “Covered material” means both of the following:
 - Single-use packaging that is routinely recycled, disposed of, or discarded after its contents have been used or unpackaged, and typically not refilled or otherwise reused by the producer
 - Plastic single-use food service ware, including, but not limited to, plastic-coated paper or plastic-coated paperboard, paper or paperboard with plastic intentionally added during the manufacturing process, and multilayer flexible material
- Covered material category – PRC 42041(f)
 - “Covered material category” means a category that includes covered material of a similar type and form, as determined by the department.
- Plastic component – PRC 42041(u)
 - “Plastic component” means any single piece of covered material made partially or entirely of plastic. A plastic component may constitute the entirety of the covered material or a separate or separable piece of the covered material.

Summary of Uses of CMCs in Statute

- **CalRecycle Responsibilities:**

- Recycling rates and determinations of recyclability and compostability made by CMC – PRC 42061(b), (c), and (d)
- Publish list of CMCs that are not in compliance with the requirements of SB 54 – PRC 42082(a)
- Conduct a needs assessment designed to determine the necessary steps and investment needed for covered material, by CMC – PRC 42067(a)

- **Producer and PRO Responsibilities:**

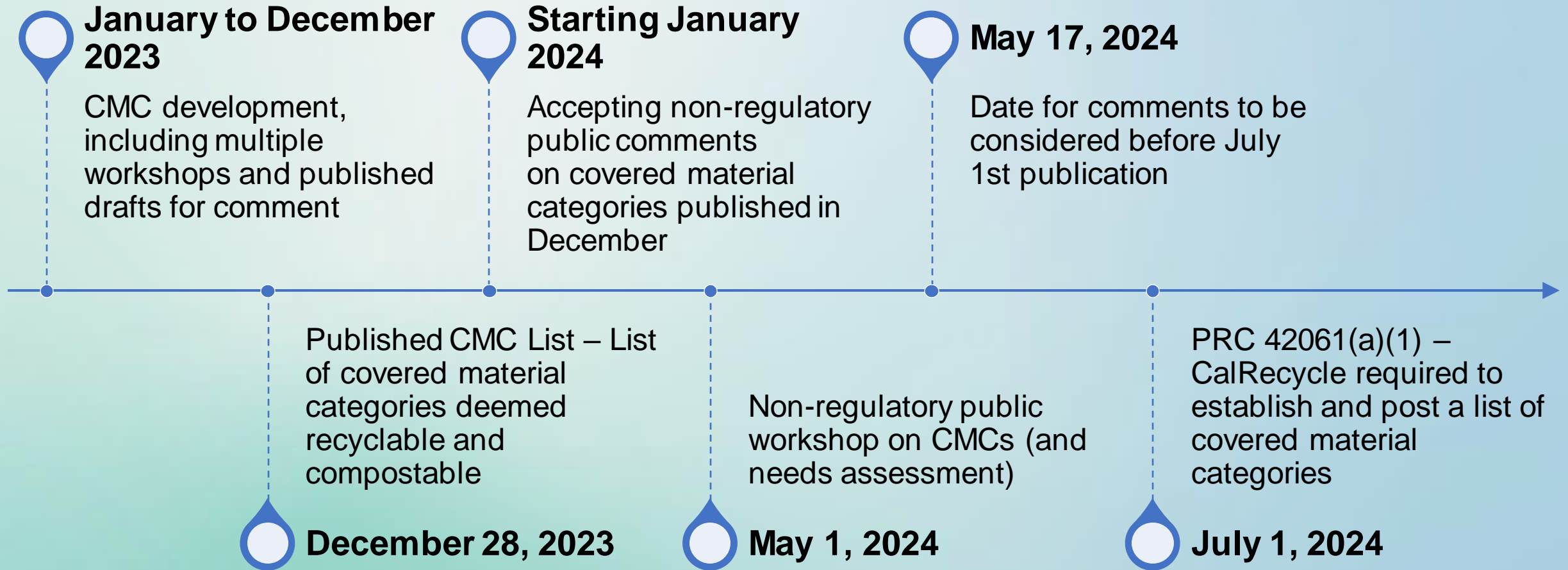
- Determine investments PRO will make based on CMCs – PRC 42051.1(i)(4)
- Annually report data, some of which is reported by CMC – PRC 42052
- Create a fee structure that is categorized by CMC – PRC 42053(d)

Part II. Proposed Updates to Covered Material Categories

CMC Item 1: Covered Material Category List Development (1/2)

- CalRecycle will establish and post a list of covered material categories by July 1, 2024 – PRC 42061(a)(1)
- CalRecycle developed the covered material categories list using information from:
 - Existing producer reporting systems and other categorizations relevant to single-use packaging and plastic single-use food service ware;
 - Sorting categories being used in the SB 343 material characterization study and data from SB 343 data collection; and
 - Feedback from interested parties.

CMC Item 1: Timeline for CMC List Development (2/2)



CMC Item 2: Structure of Covered Material Category List (1/4)

- Two sets of categories, each defined by three or four major characteristics:

(1) Items with two or more sides measuring more than 2”

- Material Class
- Material Type
- Form
- Presence of Plastic

(2) Small items with two or more sides measuring 2” or less*

- Material Class
- Size (1 category)
- Presence of Plastic

*Proposed change

CMC Item 2: Structure of Covered Material Category List (2/4)

For items larger than 2 inches, covered material categories are organized around four major characteristics:

(1) Material Class – Broad category of material for which the covered material is predominantly composed of:

- a. Options: Glass*, Ceramic*, Metal, Paper/Fiber, Plastic, Wood/Other Organics

(2) Material Type – More specific category of material, within Material Class, for which the covered material is predominantly composed of:

- a. Options: See figure on next slide for list of Material Types by Material Class.

*Proposed change

CMC Item 2: Structure of Covered Material Category List (3/4)

Material Classes	Glass	Ceramic	Metal	Paper/Fiber	Plastic	Wood & Other Organic Materials
Material Types	<ul style="list-style-type: none"> • Glass 	<ul style="list-style-type: none"> • Ceramic 	<ul style="list-style-type: none"> • Aluminum • Tin/Steel/Bimetal • Other Nonferrous • Other Ferrous • Metal 	<ul style="list-style-type: none"> • Kraft Paper • Molded Fiber • Multi-Material Laminate • OCC • Paperboard • White Paper • Other/Mixed Paper • Paper/Fiber 	<ul style="list-style-type: none"> • PET (#1) • HDPE (#2) • PVC (#3) • LDPE (#4) • PP (#5) • PS (#6) • Plastics and Polymers Designed for Potential Compostability • Multi-Material Laminate • Other/Mixed Plastics • Plastic 	<ul style="list-style-type: none"> • Wood • Other/Mixed Organic • Wood & Other Organic Materials

Note: Each Material Class has additional categories for small items with two or more sides measuring 2" or less (with and without plastic component).

CMC Item 2: Structure of Covered Material Category List (4/4)

For items larger than 2 inches, covered material categories are organized around four major characteristics:

(3) Form – Categories based on shape and other form-related factors. Forms are specific to Material Type.

a. Options: See tables below for Forms, by Material Class and Material Type.

(4) Presence of Plastic – Items with a non-excluded plastic component will be characterized as a plastic covered material category while items with no plastic component will be considered a nonplastic covered material category.

a. Options: Nonplastic, Plastic

CMC Item 2: Examples Using CMC List Structure



Material Class	Paper / Fiber
Material Type	Kraft Paper
Form	All forms
Presence of plastic	With plastic component



Material Class	Plastic
Material Type	HDPE
Form	Pigmented Bottle & Jar
Presence of plastic	N/A

CMC Item 2: Summary of Proposed Changes to Covered Material Categories

- Small items
 - Previously: Small – No side greater than 2”
 - Proposed: Small – Two or more sides measuring 2” or less
- Glass and Ceramic are now separate Material Classes
- Changes were to remove use case, to focus on material type and form
- Proposed updates result in 94 categories; previously 98 categories

Reviewing the Draft Covered Material Categories

- We will review all 94 categories, by Material Class:

Category ID	Material Class	Material Type	Form
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- After reviewing all CMCs, there will be time to provide:
 - Overarching feedback about the entire list
 - Feedback specific to each Material Class

CMC - Glass Material Class

Category ID	Material Class	Material Type	Form	Previously
G1N	Glass	Glass	Bottles and Jars w/o plastic component	<i>Glass and Ceramic</i>
G1P	Glass	Glass	Bottle and Jars w/ plastic component	<i>Glass and Ceramic</i>
G2N	Glass	Glass	Other Forms w/o plastic component	<i>Glass and Ceramic</i>
G2P	Glass	Glass	Other Forms w/ plastic component	<i>Glass and Ceramic</i>
G3N	Glass	Glass	Small - Two or more sides measuring 2" or less w/o plastic component	<ul style="list-style-type: none"> • <i>Glass and Ceramic</i> • <i>Small – No side greater than 2"</i>
G3P	Glass	Glass	Small - Two or more sides measuring 2" or less w/ plastic component	<ul style="list-style-type: none"> • <i>Glass and Ceramic</i> • <i>Small – No side greater than 2"</i>

CMC - Ceramic Material Class

Category ID	Material Class	Material Type	Form	Previously
C1N	Ceramic	Ceramic	All Forms w/o plastic component	<ul style="list-style-type: none"> • <i>Glass and Ceramic</i>
C1P	Ceramic	Ceramic	All Forms w/ plastic component	<ul style="list-style-type: none"> • <i>Glass and Ceramic</i>
C2N	Ceramic	Ceramic	Small - Two or more sides measuring 2" or less w/o plastic component	<ul style="list-style-type: none"> • <i>Glass and Ceramic</i> • <i>Small – No side greater than 2"</i>
C2P	Ceramic	Ceramic	Small - Two or more sides measuring 2" or less w/ plastic component	<ul style="list-style-type: none"> • <i>Glass and Ceramic</i> • <i>Small – No side greater than 2"</i>

CMC – Metal Material Class (1/3)

Category ID	Material Class	Material Type	Form	Previously
M1N	Metal	Aluminum	Non-aerosol container w/o plastic component	
M1P	Metal	Aluminum	Non-aerosol container w/ plastic component	
M2N	Metal	Aluminum	Foil sheets w/o a plastic component	
M2P	Metal	Aluminum	Foil sheets w/ a plastic component	
M3N	Metal	Aluminum	Foil Molded Containers w/o plastic component	
M3P	Metal	Aluminum	Foil Molded Containers w/ plastic component	
M4P	Metal	Aluminum	Aerosol can w/ plastic component	

CMC – Metal Material Class (2/3)

Category ID	Material Class	Material Type	Form	Previously
M5N	Metal	Aluminum	Other Forms w/o plastic component	
M5P	Metal	Aluminum	Other Forms w/ plastic component	
M6N	Metal	Tin/Steel/Bimetal	Non-aerosol container w/o plastic component	
M6P	Metal	Tin/Steel/Bimetal	Non-aerosol container w/ plastic component	
M7P	Metal	Tin/Steel/Bimetal	Aerosol can w/ plastic component	
M8N	Metal	Tin/Steel/Bimetal	Other Forms w/o plastic component	
M8P	Metal	Tin/Steel/Bimetal	Other Forms w/ plastic component	

CMC - Metal Material Class (3/3)

Category ID	Material Class	Material Type	Form	Previously
M9N	Metal	Other Nonferrous	All Forms w/o plastic component	
M9P	Metal	Other Nonferrous	All Forms w/ plastic component	
M10N	Metal	Other Ferrous	All Forms w/o plastic component	
M10P	Metal	Other Ferrous	All Forms w/ plastic component	
M11N	Metal	Metal	Small - Two or more sides measuring 2" or less w/o plastic component	<ul style="list-style-type: none"> • <i>Small – No side greater than 2"</i>
M11P	Metal	Metal	Small - Two or more sides measuring 2" or less w/ plastic component	<ul style="list-style-type: none"> • <i>Small – No side greater than 2"</i>

CMC – Paper/Fiber Material Class (1/3)

Category ID	Material Class	Material Type	Form	Previously
PF1N	Paper/Fiber	Kraft Paper	All Forms w/o plastic component	
PF1P	Paper/Fiber	Kraft Paper	All Forms w/ plastic component	
PF2P	Paper/Fiber	Molded Fiber	All Forms w/ plastic component	<ul style="list-style-type: none"> • <i>All Forms of Food Service Ware w/plastic component</i> • <i>All Forms of Packaging w/plastic component</i>
PF2N	Paper/Fiber	Molded Fiber	All Forms w/o plastic component	<ul style="list-style-type: none"> • <i>All Forms of Packaging w/o plastic component</i>
PF3P	Paper/Fiber	Multi-Material Laminate	Aseptic Cartons	<ul style="list-style-type: none"> • <i>Aseptic Containers</i>
PF4P	Paper/Fiber	Multi-Material Laminate	Gable-top Cartons	
PF5P	Paper/Fiber	Multi-Material Laminate	Other Forms w/ plastic component	

Deletion: *Multi-Material Laminate - Poly-coated food service ware*

CMC – Paper/Fiber Material Class (2/3)

Category ID	Material Class	Material Type	Form	Previously
PF6N	Paper/Fiber	OCC	Waxed Cardboard w/o plastic component	
PF6P	Paper/Fiber	OCC	Waxed Cardboard w/ plastic component	
PF7N	Paper/Fiber	OCC	Cardboard w/o plastic component	
PF7P	Paper/Fiber	OCC	Cardboard w/ plastic component	
PF8N	Paper/Fiber	Paperboard	All Forms w/o plastic component	
PF8P	Paper/Fiber	Paperboard	All Forms w/ plastic component	

CMC – Paper/Fiber Material Class (3/3)

Category ID	Material Class	Material Type	Form	Previously
PF9N	Paper/Fiber	White Paper	All Forms w/o plastic component	
PF9P	Paper/Fiber	White Paper	All Forms w/ plastic component	
PF10N	Paper/Fiber	Other/Mixed Paper	All Forms w/o plastic component	
PF10P	Paper/Fiber	Other/Mixed Paper	All Forms w/ plastic component	
PF11N	Paper/Fiber	Paper/Fiber	Small – Two or more sides measuring 2” or less w/o plastic component	<ul style="list-style-type: none"> • <i>Small – No side greater than 2”</i>
PF11P	Paper/Fiber	Paper/Fiber	Small – Two or more sides measuring 2” or less w/ plastic component	<ul style="list-style-type: none"> • <i>Small – No side greater than 2”</i>

CMC – Plastic Material Class (1/5)

Category ID	Material Class	Material Type	Form	Previously
P1P	Plastic	PET (#1)	Bottles, Jugs, and Jars (Clear/Natural)	
P2P	Plastic	PET (#1)	Bottles, Jugs, and Jars (Pigmented/Color)	
P3P	Plastic	PET (#1)	Thermoformed Containers, Cups, Lids, Plates, Trays, Tubs	
P4P	Plastic	PET (#1)	Other Rigid Items (including containers)	
P5P	Plastic	PET (#1)	Flexible and Film Items	
P6P	Plastic	HDPE (#2)	Bottles, Jugs and Jars (Clear/Natural)	
P7P	Plastic	HDPE (#2)	Bottles, Jugs and Jars (Pigmented/Color)	

CMC – Plastic Material Class (2/5)

Category ID	Material Class	Material Type	Form	Previously
P8P	Plastic	HDPE (#2)	Pails & Buckets	
P9P	Plastic	HDPE (#2)	Other Rigid Items (including containers)	
P10P	Plastic	HDPE (#2)	Flexible and Film Items	
P11P	Plastic	PVC (#3)	Rigid Items	
P12P	Plastic	PVC (#3)	Flexible and Film Items	
P13P	Plastic	LDPE (#4)	Bottles, Jugs and Jars	
P14P	Plastic	LDPE (#4)	Other Rigid Items	
P15P	Plastic	LDPE (#4)	Clear Non-Bag Film	
P16P	Plastic	LDPE (#4)	Other Flexible and Film Items	

CMC – Plastic Material Class (3/5)

Category ID	Material Class	Material Type	Form	Previously
P17P	Plastic	PP (#5)	Bottles, Jugs and Jars	
P18P	Plastic	PP (#5)	Thermoformed Containers, Cups, Lids, Plates, Trays, Tubs	
P19P	Plastic	PP (#5)	Utensils	
P20P	Plastic	PP (#5)	Other Rigid Items	
P21P	Plastic	PP (#5)	Clear Non-Bag Film	
P22P	Plastic	PP (#5)	Other Flexible and Film Items	

CMC – Plastic Material Class (4/5)

Category ID	Material Class	Material Type	Form	Previously
P23P	Plastic	PS (#6)	Expanded/Foamed Hinged Containers, Plates, Cups, Tubs, Trays, and Other Foamed Containers	
P24P	Plastic	PS (#6)	Other Expanded/Foamed Forms	
P25P	Plastic	PS (#6)	Utensils	
P26P	Plastic	PS (#6)	Solid Hinged Containers, Plates, Cups, Tubs, Trays, and Other Solid Forms	<ul style="list-style-type: none"> • <i>Solid Hinged Containers, Plates, Cups, Tubs, Trays, and Other Solid Containers</i> • <i>Other Solid Forms</i>
P27P	Plastic	PS (#6)	Flexible and Film Items	
Deletion: <i>PS (#6) - Expanded/Foamed Cushioning and Void Fill</i>				

CMC – Plastic Material Class (5/5)

Category ID	Material Class	Material Type	Form	Previously
P28P	Plastic	Plastics and Polymers Designed for Potential Compostability	Rigid Items	
P29P	Plastic	Plastics and Polymers Designed for Potential Compostability	Flexible and Film Items	
P30P	Plastic	Multi-Material Laminate	Pouches and Envelopes	<ul style="list-style-type: none"> • <i>Mailing Pouches and Shipping Envelopes</i>
P31P	Plastic	Multi-Material Laminate	Other Forms	
P32P	Plastic	Other/Mixed Plastics	Textiles	
P33P	Plastic	Other/Mixed Plastics	Rigid Items	
P34P	Plastic	Other/Mixed Plastics	Flexible and Film Items	
P35P	Plastic	Plastic	Small - Two or more sides measuring 2" or less	<ul style="list-style-type: none"> • <i>Small - No side greater than 2"</i>

CMC – Wood & Other Organic Materials Material Class (1/2)

Category ID	Material Class	Material Type	Form	Previously
WO1N	Wood & Other Organic Materials	Wood	All Untreated Forms w/o plastic component	
WO1P	Wood & Other Organic Materials	Wood	All Untreated Forms w/ plastic component	
WO2N	Wood & Other Organic Materials	Wood	All Treated or Painted Forms w/o plastic component	
WO2P	Wood & Other Organic Materials	Wood	All Treated or Painted Forms w/ plastic component	
WO3N	Wood & Other Organic Materials	Other/Mixed Organic	Textiles w/o plastic component	
WO3P	Wood & Other Organic Materials	Other/Mixed Organic	Textiles w/ plastic component	

CMC – Wood & Other Organic Materials Material Class (2/2)

Category ID	Material Class	Material Type	Form	Previously
WO4N	Wood & Other Organic Materials	Other/Mixed Organic	Other Forms w/o plastic component	
WO4P	Wood & Other Organic Materials	Other/Mixed Organic	Other Forms w/ plastic component	
WO5N	Wood & Other Organic Materials	Wood & Other Organic Materials	Small - Two or more sides measuring 2" or less w/o plastic component	<ul style="list-style-type: none"> • <i>Small – No side greater than 2"</i>
WO5P	Wood & Other Organic Materials	Wood & Other Organic Materials	Small - Two or more sides measuring 2" or less w/ plastic component	<ul style="list-style-type: none"> • <i>Small – No side greater than 2"</i>

Request for Feedback:

CalRecycle is seeking feedback on the updated list of covered material categories presented in the tables above. Specifically, CalRecycle is seeking feedback on the major changes outlined in the CMC tables and how small items are defined.

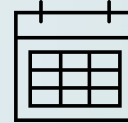
Process for Submitting Written Feedback: Covered Material Categories

Covered Material Categories

- All written feedback can be submitted to packaging@calrecycle.ca.gov with the subject line: *SB 54 Covered Material Categories Feedback*. Written feedback can be provided prior to the workshop and after.
- CalRecycle requests all feedback specific to the May 1, 2024 Workshop is submitted no later than **May 17, 2024**.



[Sign-up for our SB 54 Listserv](#)



Advisory Board Meeting

May 3, 2024

12:00pm

Byron Sher Auditorium (this room)



More information will be distributed through our [listserv](#) and available on the [SB 54 Webpage](#).

Email: Packaging@CalRecycle.ca.gov