

# Workshop Agenda

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## **Welcome and Introductions**

Cynthia Dunn, Environmental Program Manager, CalRecycle

## **CalRecycle and Mattress Recycling Council Presentation**

Sophia O'Meara, Environmental Scientist, CalRecycle

Katalynna Vang, Environmental Scientist, CalRecycle

Mike O'Donnell, Chief Operating Officer, Mattress Recycling Council

Michael LaRussa, Western Region Program Director, Mattress Recycling Council

**Public comments and questions will be taken throughout the workshop**

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# **State Mattress Recycling Baseline and Goals Workshop**

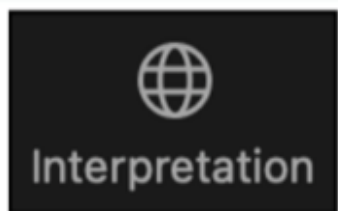
December 5, 2023

Webcast available at  
<https://video.calepa.ca.gov/>

# Interpretation Services | Servicios de Interpretación



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



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**Webcast - <https://video.calepa.ca.gov/#/>**  
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# **CalRecycle and Mattress Recycling Council Presentation**

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## **Department of Resources Recycling and Recovery, Extended Producer Responsibility Unit**

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Sophia O'Meara, Environmental Scientist, Extended Producer Responsibility Unit

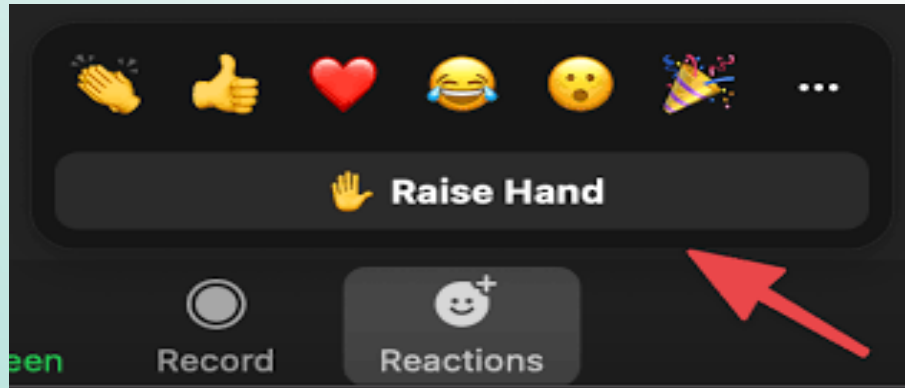
Katalynna Vang, Environmental Scientist, Extended Producer Responsibility Unit

Mike O'Donnell, Chief Operating Officer, Mattress Recycling Council

Michael LaRussa, Western Program Director, Mattress Recycling Council

# Submitting Questions and Feedback

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



# Program Overview

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- Purpose: Reduce illegal dumping, increase recycling, reduce public agency costs
- Mattress Recycling Council implements program
- Funded by mattress recycling charge
- Permanent collection network, collection events, retailer take-back



# CalRecycle

## Statutory Requirements

Establish and review baseline amounts and goals for:

- Mattress recycling
- Consumer convenience
- Consumer and retailer access

Review baseline and goals every 4 years, beginning July 1, 2020.

(See PRC Section 42987.5)





# Mattress Recycling Council®

## Statutory Requirements

Submit annual reports that demonstrate its good faith effort to comply with the goals.

**[See PRC Section 42987.5(b)]**





# 2020 State Mattress Baselines and Goals

Effective July 1, 2020:

## Statewide Goals:

- Recycling rate
- Efficiency rate
- Consumer convenience
- Renovation baseline



# 2020 State Mattress Baselines and Goals

Effective January 1, 2022:

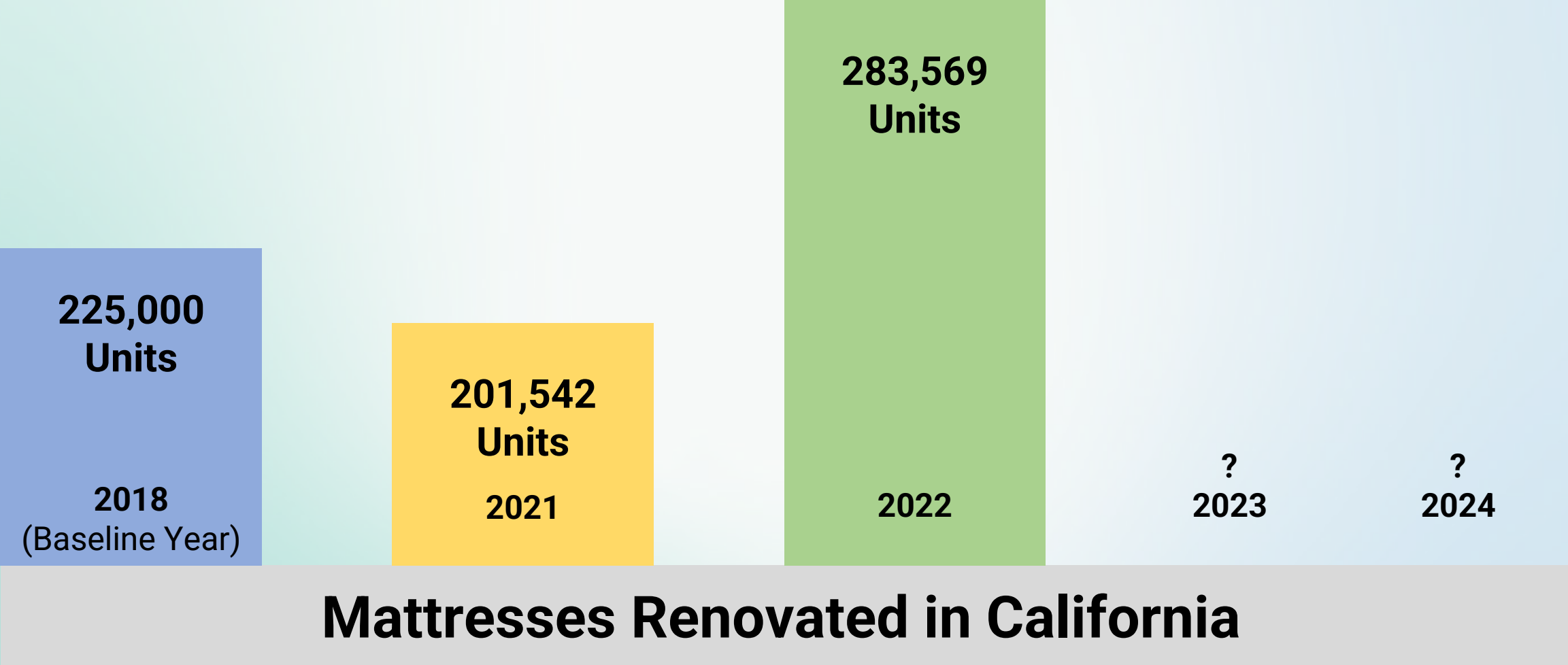
## Program Goals

- Consumer access to the program
- Retailer access to the program

## Statutory Requirements

- Establish at least one permanent drop-off location per county
- Provide no-cost freight service to entities with  $\geq 100$  units

# CalRecycle Monitors Mattresses Renovated in California



## **Collaborating with Renovators – 2022 Stats**

- 8 renovator sites in collection network
- 335,085 units received - 283,569 renovated
- 47,558 unwanted units recycled
- 2,435,249 lbs. of components sent to renovators by recyclers
- 19,520 whole units sold to renovators from recyclers

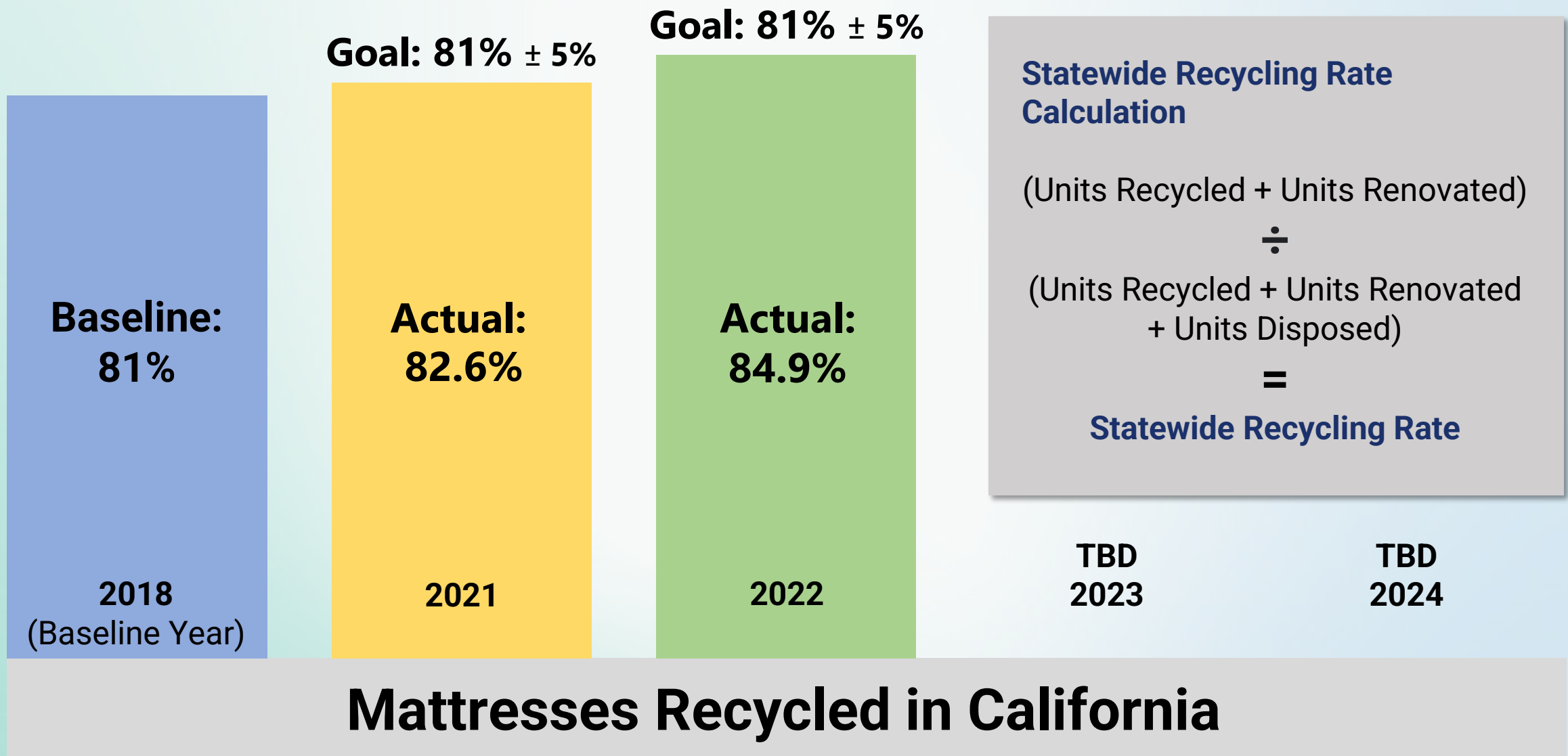
# Questions

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- Are there any questions or comments about the renovation baseline?
- Are there comments regarding any other reasonable and appropriate metrics to monitor renovation?
- Is it reasonable and appropriate to evaluate renovation as a component of the recycling rate and efficiency rate?



# CalRecycle Monitors Mattresses Recycled in California



# Recycling Rate Calculation

1. Units Recycled – Most data from MRC sources; high confidence level
2. Units Renovated – Aggregated from 39 renovators; YOY data follows industry sales trends
3. Units Disposed – Aggregated from 344 solid waste facilities across CA. 100% compliance in 2022. YOY reporting trends consistent since 2016.

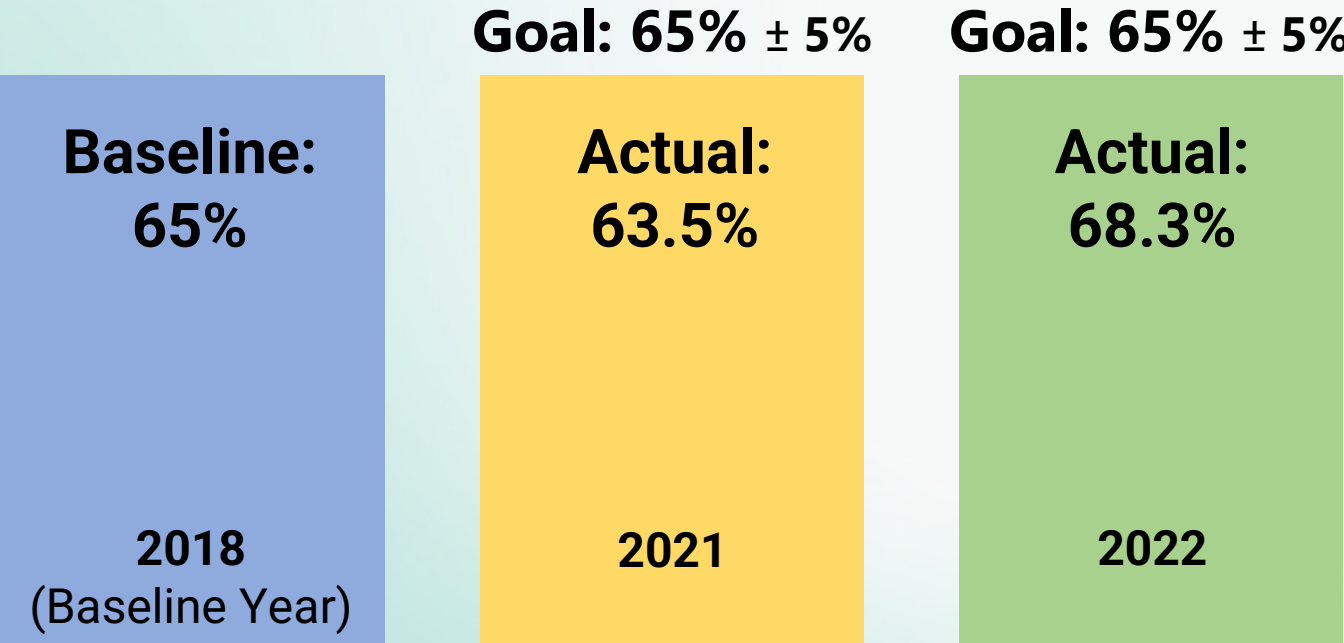
# Questions

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- Are there any questions or comments about the statewide recycling rate baseline?
- Are there any questions or comments about the statewide recycling rate equation?
- Are there any questions or comments about the statewide recycling rate goal?
- Is it reasonable and appropriate to continue to use the +/- 5% range?

# CalRecycle Monitors Recycling Efficiency in California

**Statewide Efficiency Rate Calculation**  
$$\frac{\text{(Pounds Recycled + Pounds Renovated)}}{\text{(Pounds Recycled + Pounds Renovated + Pounds Disposed)}} = \text{Statewide Recycling Efficiency Rate}$$



TBD  
2023

TBD  
2024

**Mattress Recycling Efficiency Rate in California**

# Efficiency Rate Calculation

1. Pounds recycled statewide – Mostly MRC data; high confidence level
2. Pounds renovated statewide – Based on statewide units renovated; reasonable confidence level
3. Pounds disposed – Calculated using material landfilled by SWFs, recyclers and renovators; reasonable confidence level
  - MRC works to meet this goal by recruiting collection sites, monitoring disposal at SWFs and working with recyclers to improve the recovery rate for units processed.
  - MRC research focused on low-value and difficult to recycle commodities



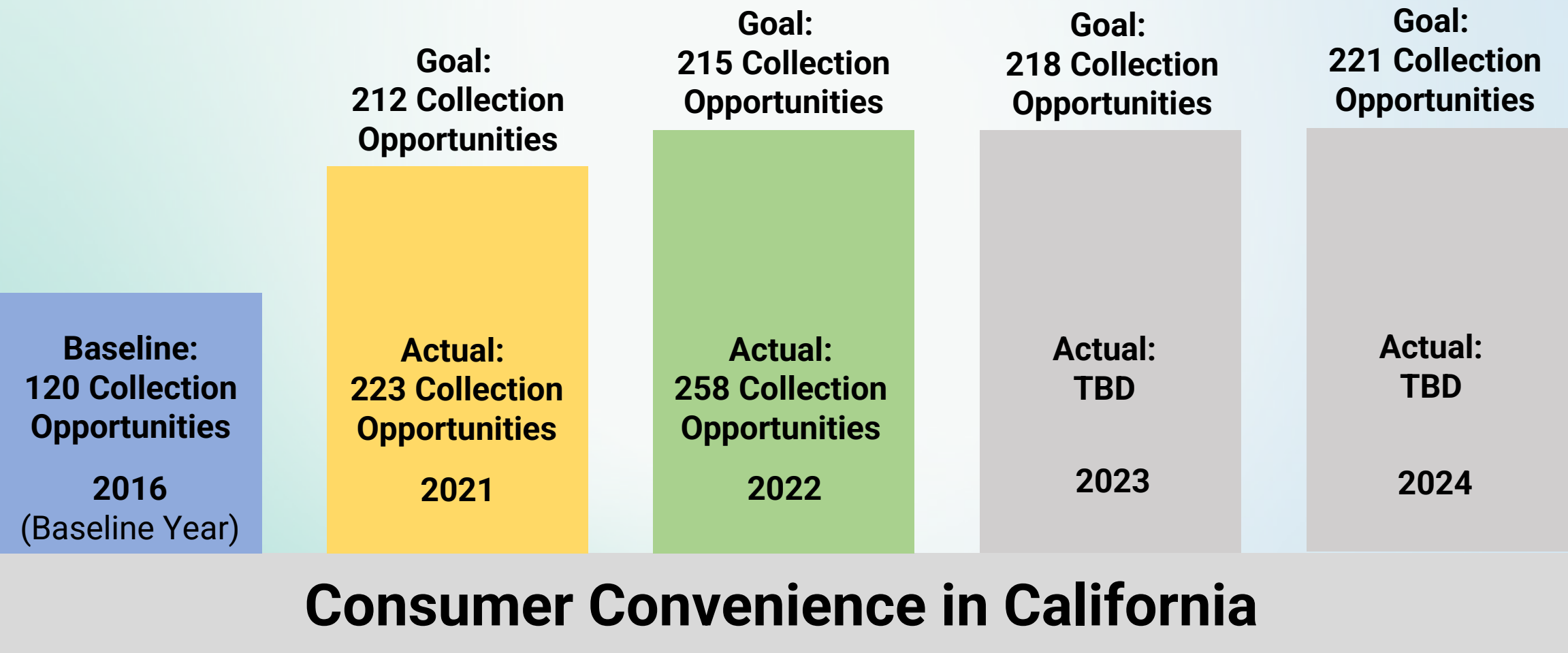
# Questions

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- Are there any questions or comments about the statewide efficiency rate baselines?
- Are there any questions or comments about the efficiency rate equation?
- What, if any, conversion factors are reasonable and appropriate to include in the efficiency rate equation?
- Is there any other information CalRecycle could consider regarding the efficiency rate equation calculations?
- Are there any questions or comments about the current efficiency rate goal?

# CalRecycle Monitors Consumer Convenience in California

Includes permanent collection sites and participating bulky item pick-up programs.



# Consumer Convenience



- 234 permanent sites; 56 of them also collect curbside
- 24 curbside collectors
- Current goal does not consider retailer take-back requirement or curbside service outside MRC's collection network

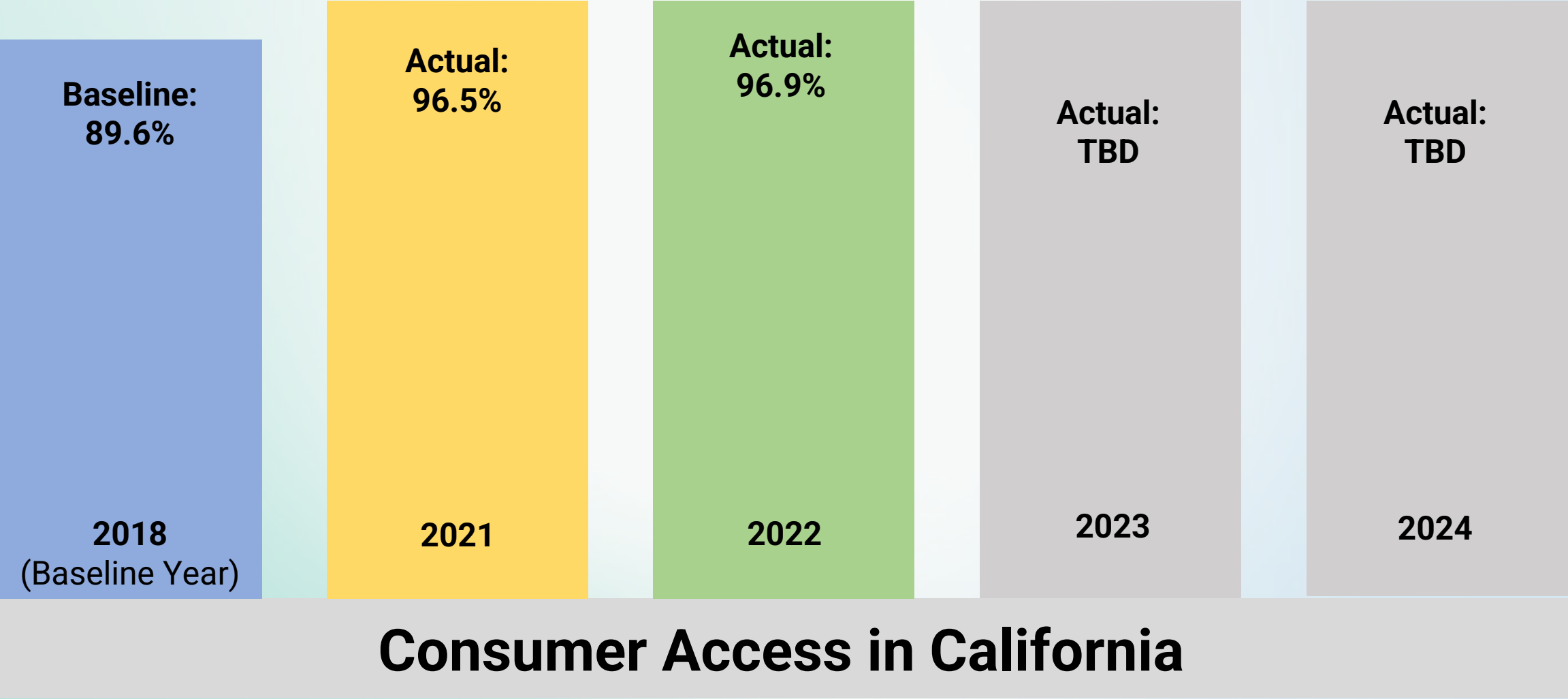
# Questions

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- Are there any questions or comments about the consumer convenience baseline?
- Are there any questions or comments about potential updates to the consumer convenience goal?
- Are there any comments regarding reasonable and appropriate modifications to the consumer convenience goal (e.g. monitoring the number of collection opportunities relative to population)?
- Is there any other information or metrics that CalRecycle could consider regarding consumer convenience?

# CalRecycle Monitors Consumer Access in California

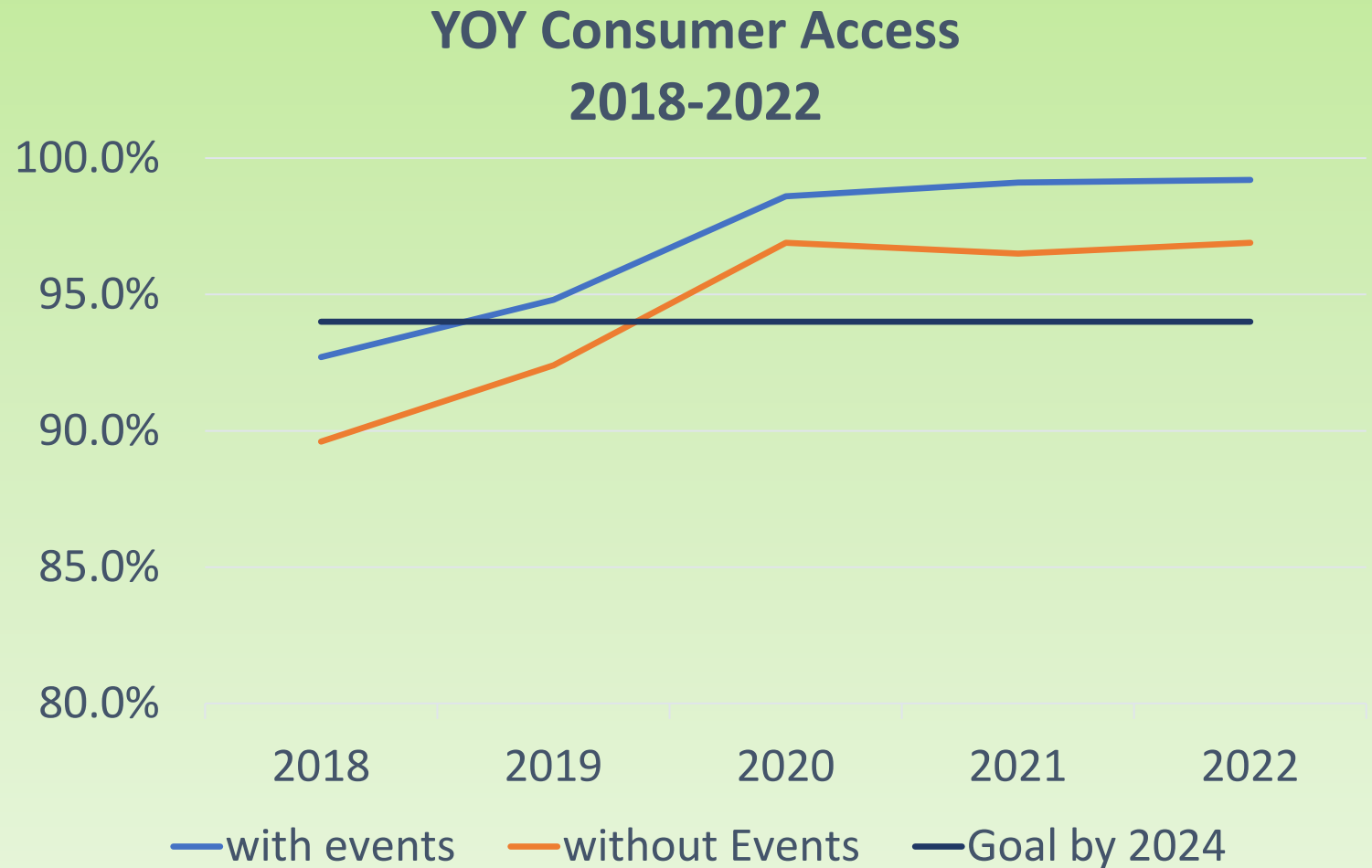
Goal: 95% of population lives within 15 miles of collection site or bulky item pickup by 2024





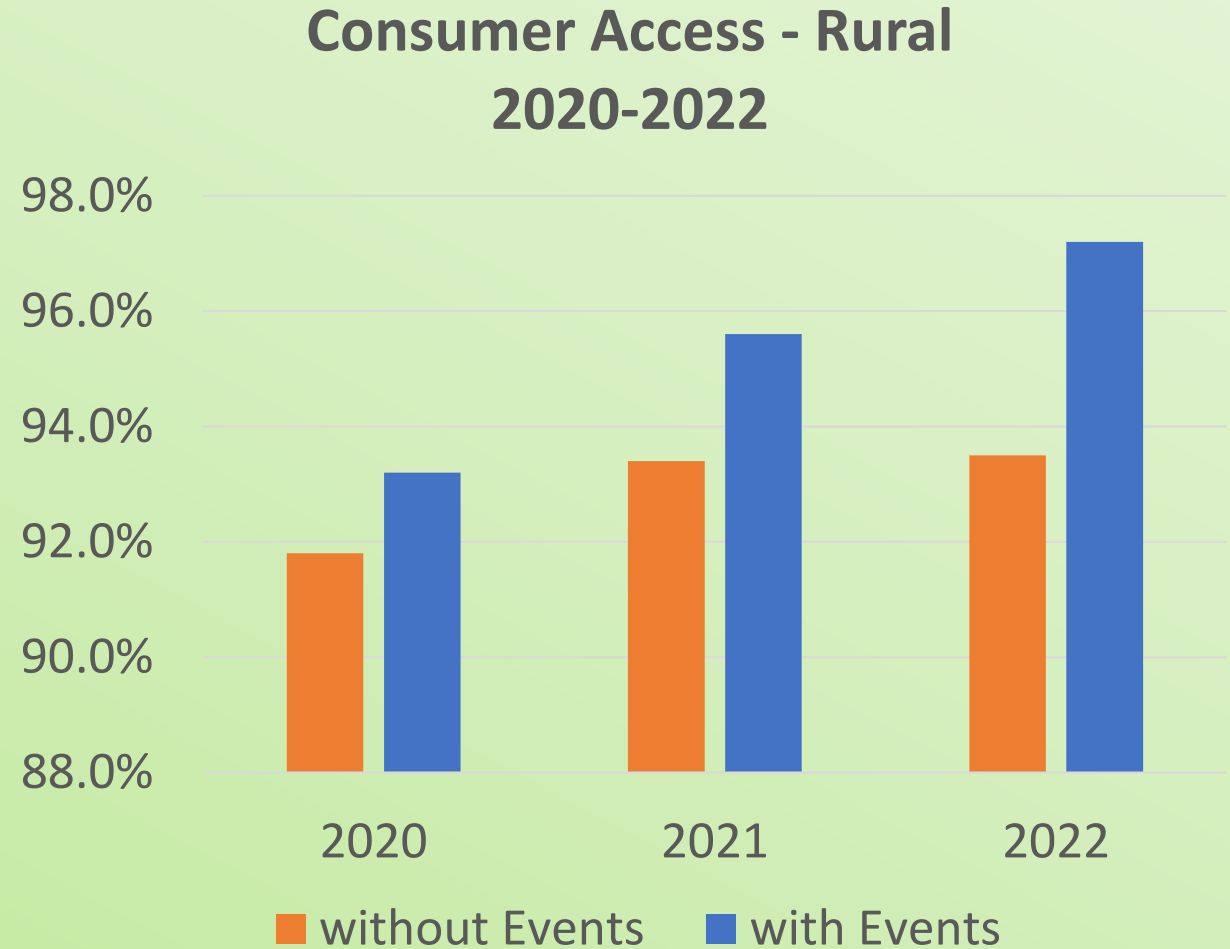
# All Consumers Access

- Current goal does not include retailer take back
- Most SWFs already in the program



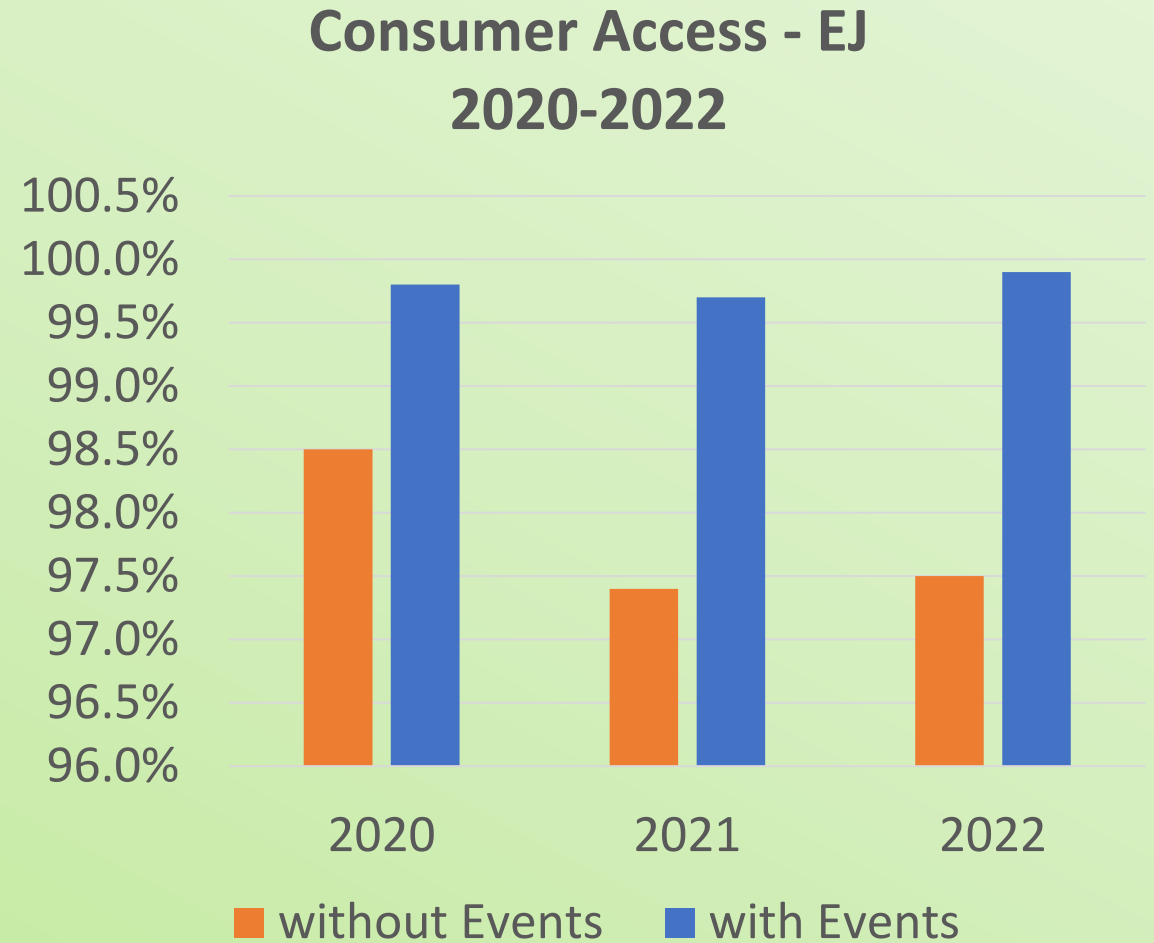
# Consumer Access - Rural

- Events .009% of volume in 2022
- Events are difficult, but valuable in rural communities



# Consumer Access – Environmental Justice

- Concerted effort targeting EJ communities
- Especially in CA central valley



# Questions

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- Are there any questions or comments about the consumer access baseline?
- Are there any questions or comments about the consumer access goal?
  - E.g., should the distance from a collection site or percentage of the population with access be updated?

# CalRecycle Monitors Retailer Access in California

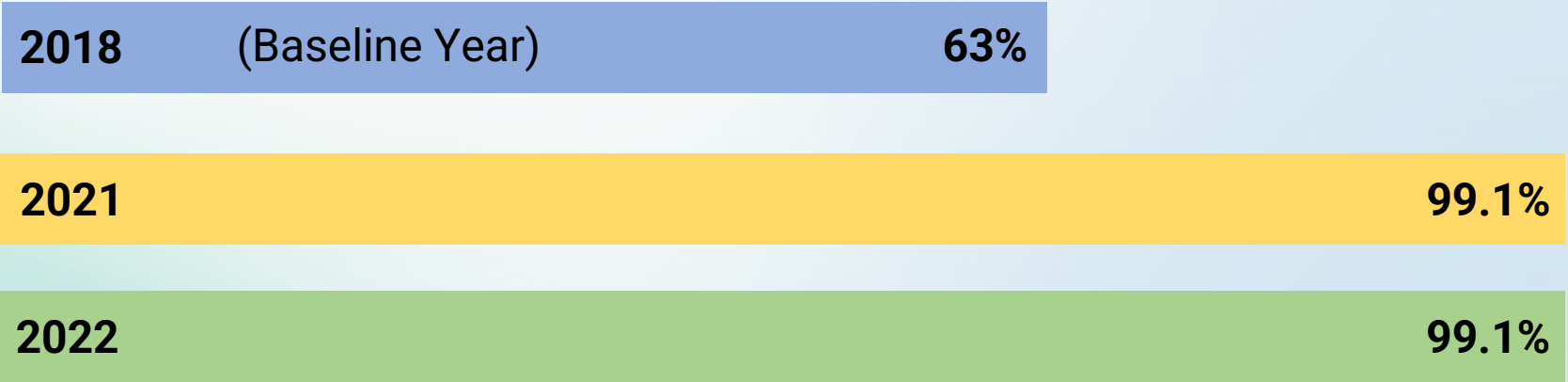
## Rural Retailer Access

Goal is 95% of California consumers in rural areas located within 40 miles of a no-cost collection site that accepts commercial volume by 2024.



## Urban Retailer Access

Goal is 80% of California consumers in urban areas located within 20 miles of a no-cost collection site that accepts commercial volume by 2024.





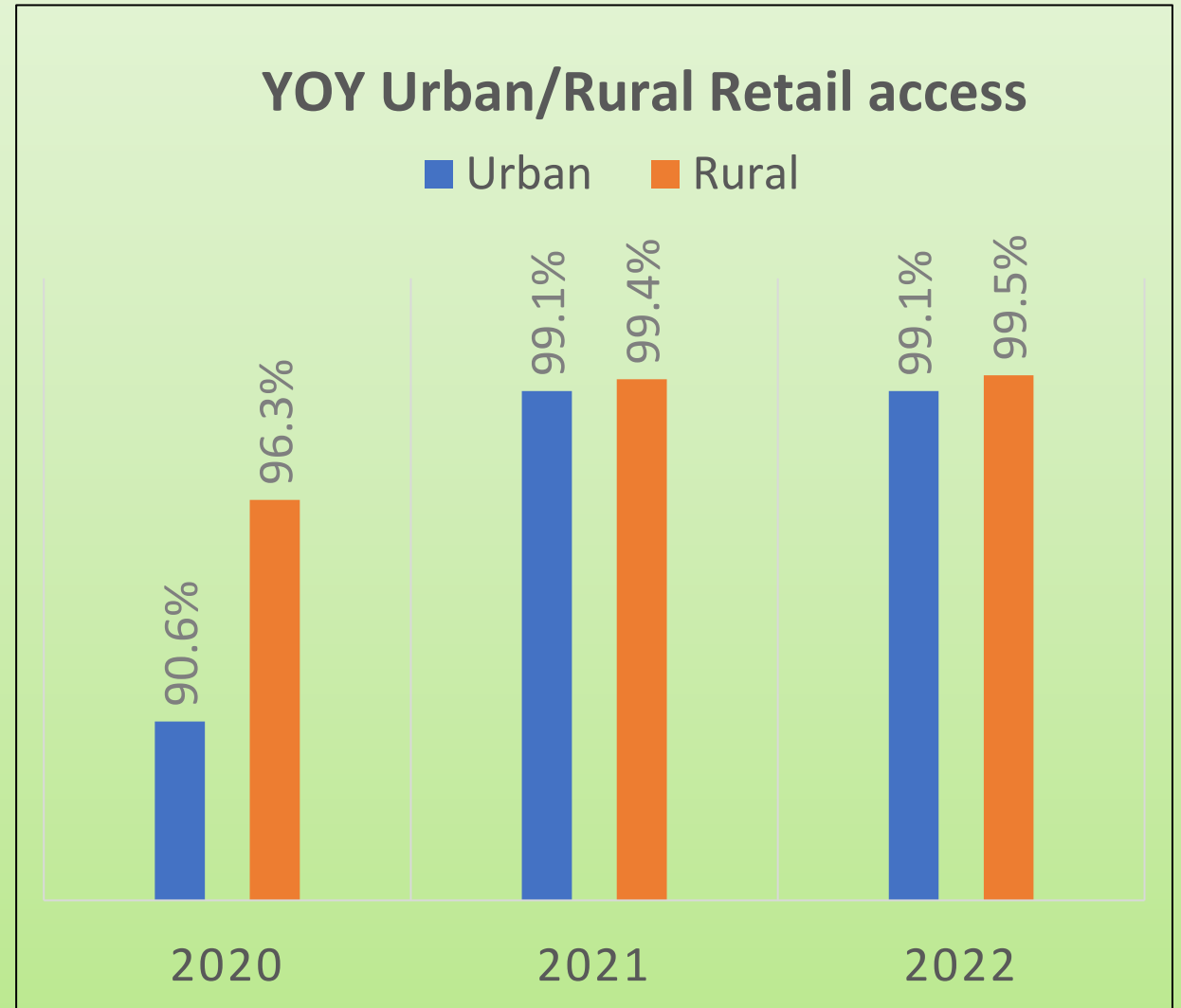
# Retailer Access to the Program

- Goal targets smaller retailer access
- Multi-year project changing contracts driving goal compliance
- Goal does not include Commercial Volume Program (CVP)



# Retailer Access to the Program

- Other retailers options:
  - Drop off at recycler
  - Direct CVP service
  - Drop off at a CVP consolidation site
- 301,757 retail units collected; 21% of statewide units



# Questions

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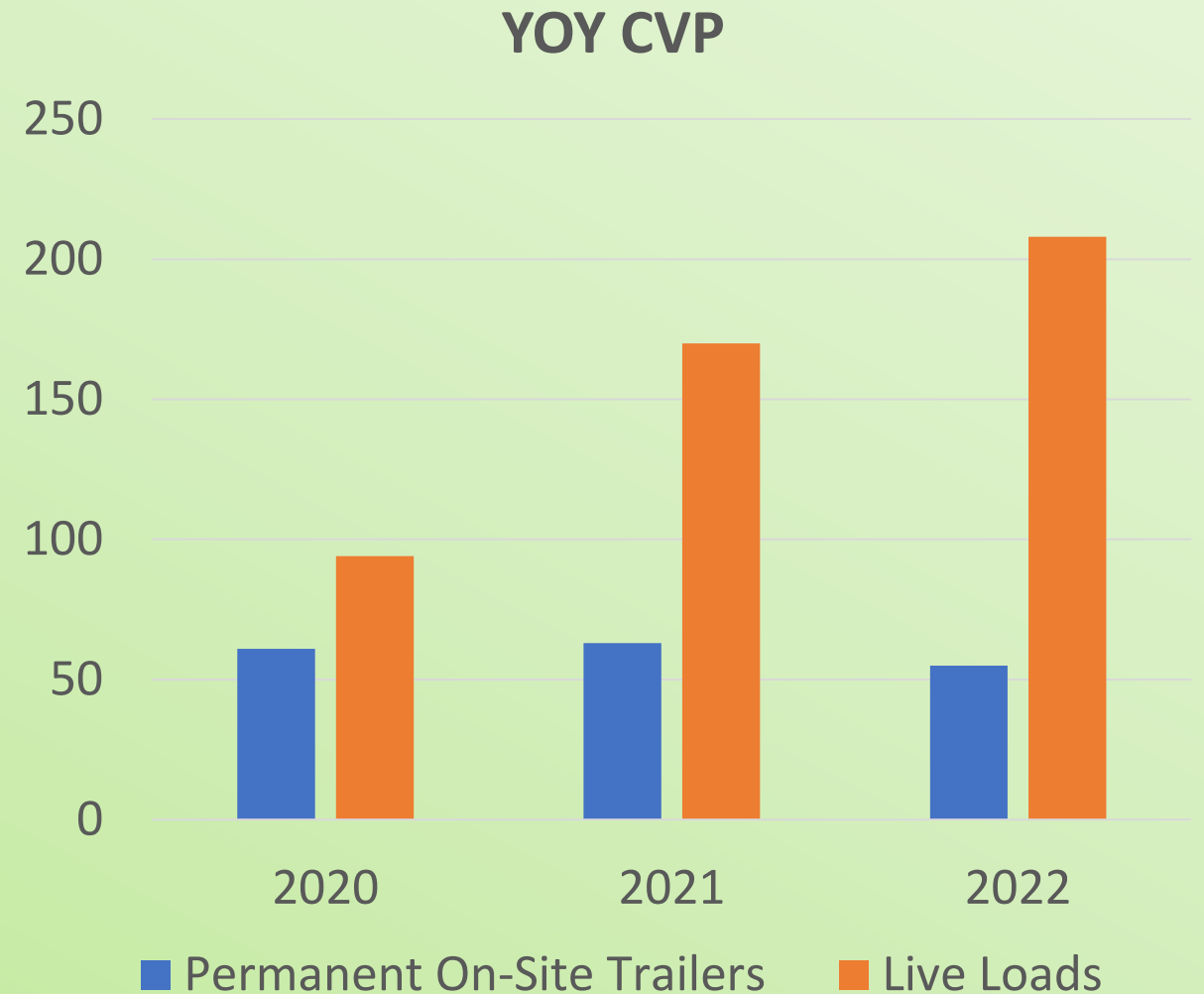
- Are there any questions or comments about the retailer access baselines?
- Are there any questions or comments about the retailer access goals?
- Are there any comments regarding reasonable and appropriate modifications to the retailer access goal (e.g., updates to the distance from a collection site or percentage of the population)?

# Program Requirements

	<u>Statutory Requirement</u>	<u>2021 Actual</u>	<u>2022 Actual</u>
Consumer Access	MRO shall provide convenient consumer access to program, including at least one permanent drop-off location in each county (shall not apply to county with <2,000 people if MRO provides 2+ events in county each year). CalRecycle may require additional locations.	Established at least one site in 56 out of 58 counties.	Established at least one site in all 58 counties.
No-Cost Freight Service	MRO shall provide no-cost freight services to any retailer, healthcare facility, educational facility, military base, or lodging establishment with 100+ units to pick up at one time.	MRC provided no-cost freight service	MRC provided no-cost freight service

# Commercial Volume Program (CVP)

- Logical extension of program service
- Requirement of AB187
- CVP launched on Earth Day 2019

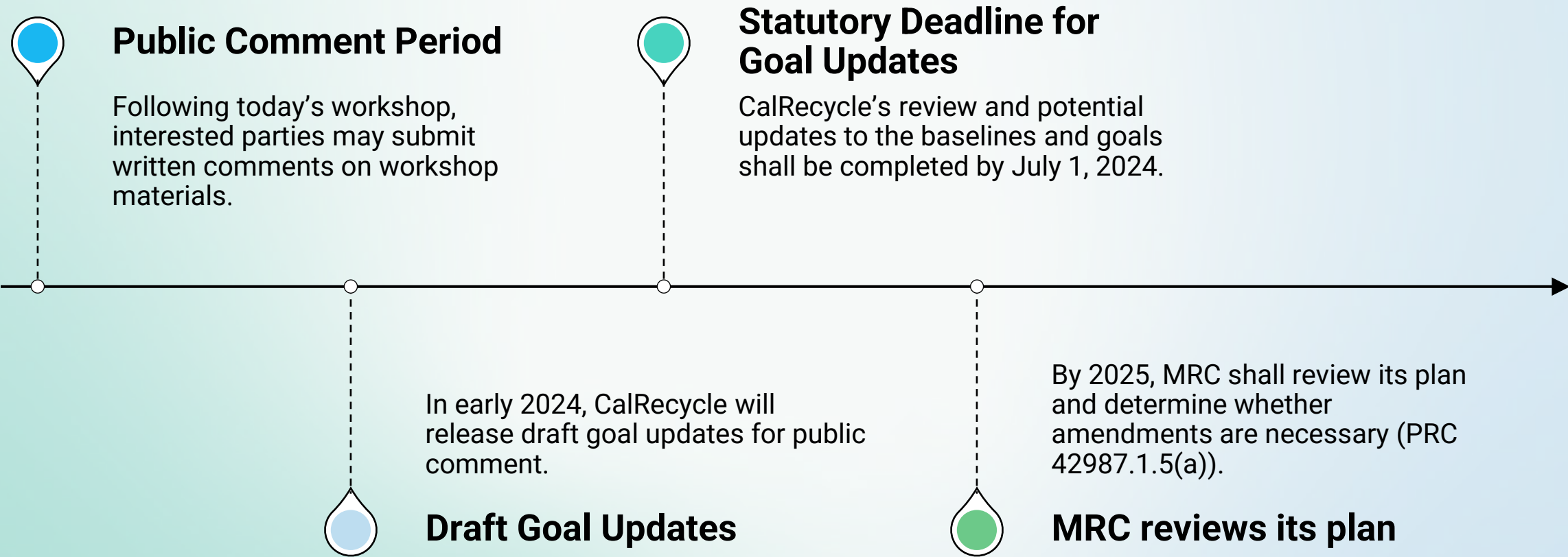


# Questions

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- Are there any questions or comments about the requirement to establish at least one permanent drop-off location in each county? Is there any other information or metrics that CalRecycle could consider regarding this requirement (e.g. the establishment of additional drop-off sites in each county)?
- Are there any questions or comments about the statutory requirement to provide no-cost freight service?
- Are there any final questions or comments on anything else we have discussed today?

# Next Steps



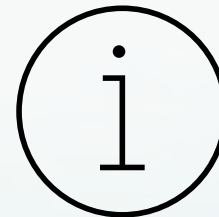




**Thank you for participating!**



Sign up for the Mattress  
Stewardship Program  
Listserv



Send questions to  
[mattresses@calrecycle.ca.gov](mailto:mattresses@calrecycle.ca.gov).