

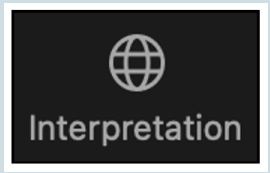
2027 Public Rate Hearing

October 30, 2026

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Interpretation Services | Servicios de Interpretación



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

Submit your questions via the Q&A feature; these will be addressed at the end of the workshop.

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Housekeeping Items

- For technical support (i.e.: no audio or visual) email helpcenter@calrecycle.ca.gov or call (916) 341-6140.

- E-mail presentation questions to RateDetermination@CalRecycle.ca.gov

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Questions and Comments

During the workshop, use the Q&A feature to submit questions or comments.

Questions and comments will be accepted until 5 pm November 7, 2026. Please email your questions and comments to RateDetermination@CalRecycle.ca.gov.

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Introductions

Beverage Container Recycling Program (Division of Recycling):

- **Amy Cameron**
- **Monica Torres**
- **Ramon Rossman**

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Introductions (Cont'd)

Rate Determination Section

Kevin Fobes
Francine Chua
Alex Prado
Abraham Alcaraz
Renzo Ortiz
Duane Vallesteros
Josie Dang

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Agenda

- Hearing Purpose
- Rate Determination Survey Overview
- Survey Sites / Sample Sizes
- 2027 Program Rates
- Questions / Comments / Input / Ideas

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2027 Survey Cycle

- **Methodology Workshop** — September 2025
- **Rounds**
  - **1st Round** — Oct. 2025 – Mar. 2026
  - **2nd Round** — Apr. 2026 – Sep. 2026
- **Public Hearing for Rates** — October 2026
- **Notice of New Rates** — December 2026
- **New Rates Effective** — January 1, 2027

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Hearing Purpose

Per 14549.5(b), the Department of Resources Recycling & Recovery (CalRecycle) will "hold a public hearing, after giving notice, to make available to the public and affected parties the department's review and any proposed recalculations of the commingled rate."

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Our Goal

To ensure the most accurate rates feasible to properly compensate consumers and industry, and to protect the solvency and integrity of the California Beverage Container Recycling Fund

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Minimum Rate Calculation Goals

CALIFORNIA CODE OF REGULATIONS

TITLE 14. NATURAL RESOURCES, DIVISION 2., CHAPTER 5., SUBCHAPTER 1., § 2000. - DEFINITIONS

"Statistical Sample" means an estimate with an 85% confidence level

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Survey Site Strata Selection – Recycling Centers (RC)

Strata	Scheduled	Surveyed
#1 South (high)	20	20
#2 South (medium)	10	9
#3 South (low)	10	10
#1 North (high)	18	17
#2 North (medium)	9	5
#3 North (low)	9	5
Total	**76**	**66**

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Recycling Centers Samples

Material Type	Scheduled	Surveyed
Aluminum	1,448	3,960
Glass	1,304	3,906
HDPE	2,508	4,945
PET	12,570	26,399
Bi-Metal	1,760	2,537
BBPs	600	1,778
#3 - #7 plastics	372	3,374

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Curbside Programs (CS)

Strata	Scheduled	Surveyed
#1 South (high)	14	12
#2 South (medium)	7	7
#3 South (low)	7	4
#1 North (high)	14	12
#2 North (medium)	7	7
#3 North (low)	7	5
Total	**56**	**47**

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Curbside Programs (CS) Samples

Material Type	Scheduled	Surveyed
Aluminum	1,376	1,880
Glass	3,508	4,638
HDPE	5,338	6,502
PET	10,954	14,010

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Drop Off/Collection Programs (CP)

Strata	Scheduled	Surveyed
#1 (high)	14	12
#2 (medium)	7	6
#3 (low)	7	6
Total	**28**	**24**

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Drop-Off/Collection Programs (CP) Samples

Material Type	Scheduled	Surveyed
Aluminum	402	957
Glass	964	1,244
HDPE	9,248	7,241
PET	3,648	4,473

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Community Service Programs (SP)

Strata	Scheduled	Surveyed
#1 (high)	6	6
#2 (medium)	3	3
#3 (low)	3	3
Total	**12**	**12**

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Community Service Programs Samples

Material Type	Scheduled	Surveyed
Aluminum	370	460
Glass	980	1,025
HDPE	5,758	3,860
PET	2,458	3,312

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Reverse Vending Machines (RVMs)

	Scheduled	Surveyed
	12	12
Total	**12**	**12**



Reverse Vending Machines (RVMs) Samples

Material Type	Scheduled	Surveyed
Aluminum	440	540
Glass	396	525
HDPE	50	33
PET	3,816	3,600

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Segregated

**“Segregated” means divided by material type and that such divided load consists of 100% California Refund Value material.
(CCR Section 2000)**

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Commingled

Commingled means "a mix of empty beverage containers, as defined in Section 14512, and all other containers of the same material type." (PRC §14506.5)



Program Rates

- **Segregated rate:**
  - **Recycling Centers**
  - **Reverse Vending Machines**
- **Commingled rate:**
  - **Curbside Programs**
  - **Dropoff /Collection Programs**
  - **Community Service Programs**
  - **Reverse Vending Machines**

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Program Rates - RCs

Material Type	Containers Per Segregated Pound	Refund Value Per Segregated Pound
Aluminum	30.2	$1.64
Glass	1.62	$0.097
#1 PET (Polyethylene Terephthalate)	25.6	$1.42
#2 HDPE (High Density Polyethylene)	8.7	$0.64
#3 PVC (Polyvinyl Chloride)	9.7	$0.48
#4 LDPE (Low Density Polyethylene)	39.5	$1.97
#5 PP (Polypropylene)	11	$0.55
#6 PS (Polystyrene)	108.9	$5.45
#7 Other Plastic	3.1	$0.31
Bi-metal	8.1	$0.41
Multi-Layer Pouch	11.6	$2.91
Bag-in-Box	1.5	$0.38
Paperboard Carton	16.8	$4.20

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Program Rates - RVMs

Material Type	Containers Per Segregated Pound	Refund Value Per Commingled Pound	Refund Value Per Segregated Pound	CRV %
Aluminum	32.7	$1.69	$1.69	100%
Glass	1.49	$0.091	$0.092	98.91%
PET Plastic	30.1	$1.60	$1.61	99.37%
HDPE	19.3	$0.96	$0.97	98.97%

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Program Rates - CSs

Material Type	Containers Per Segregated Pound	Refund Value Per Commingled Pound	Refund Value Per Segregated Pound	CRV %
Aluminum	32.2	$1.67	$1.68	99.40%
Glass	1.25	$0.073	$0.088	82.95%
PET Plastic	15.5	$0.67	$0.98	68.37%
HDPE Plastic	5.6	$0.029	$0.51	5.69%

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Program Rates - CPs

Material Type	Containers Per Segregated Pound	Refund Value Per Commingled Pound	Refund Value Per Segregated Pound	CRV %
Aluminum	30.6	$1.58	$1.61	98.14%
Glass	1.20	$0.072	$0.086	83.72%
PET Plastic	16.0	$0.66	$1.00	66%
HDPE Plastic	5.6	$0.020	$0.50	4.0%

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Program Rates - SPs

Material Type	Containers Per Segregated Pound	Refund Value Per Commingled Pound	Refund Value Per Segregated Pound	CRV %
Aluminum	31.6	$1.66	$1.68	98.81%
Glass	1.31	$0.070	$0.087	80.46%
PET Plastic	18.5	$0.68	$1.08	62.96%
HDPE Plastic	4.9	$0.045	$0.48	9.38%

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“Commingled & Segregated Rates Survey Study”

Regents of the University of California, Davis

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Principal Investigator

Dr. Alexander Aue, PhD. - UC Davis

Professor of Statistics
Program Director, Interdisciplinary Major in Data Science
University of California, Davis

- PhD in Applied Math, University of Cologne, 2004
- BS in Math, Philipps University Marburg, 2000
- Fellow of AAAS, ASA and IMS
- Research focuses primarily on time series analysis, often involving forecasting problems for complex data, with applications in finance, economics, climate, neuroscience, and others

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“Commingled & Segregated Rates Survey Study” Scope

- Evaluate the current survey sampling and rate calculation methods CalRecycle uses to gather survey data and calculate commingled and segregated rates
- Compare CalRecycle's current methods, procedures, and processes for determining commingled and segregated rates with industry and academic best practices for statistical and mathematical sampling and rate calculation
- Results will confirm, modify, or replace CalRecycle's current sampling and rate calculation methods and procedures for determining commingled and segregated rates



“Commingled & Segregated Rates Survey Study” Timeline

April 2026 to April 2027

- Review applicable statutes & regulations
- Review current Rate Determination processes, procedures, & methods
- Review best practices in industry and academics applicable to current Rate Determination workloads

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“Commingled & Segregated Rates Survey Study” Timeline (cont’d)

June 2026 to March 2027

- **Engage recycling industry stakeholders through workshops to receive input related to processes and procedures employed by CalRecycle for surveying**

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“Commingled & Segregated Rates Survey Study” Timeline (cont’d)

April 2027 to June 2027

- **Present findings and recommendations and seek input from recycling industry stakeholders**



“Commingled & Segregated Rates Survey Study” Timeline (cont’d)

June 2027 to September 2028

- **Implement recommended updates and improvements to the CalRecycle Rate Determination processes, procedures, and methods**



“Commingled & Segregated Rates Survey Study”

Please email questions, comments, and input related to the study to: RateDetermination@CalRecycle.ca.gov, “Attention Michael Vanderburg”

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Questions and Comments

Questions and comments will be accepted until 5 pm November 7, 2026. Please email your questions and comments to RateDetermination@CalRecycle.ca.gov

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Thank You!