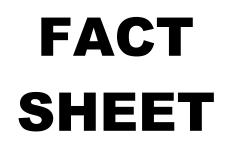
## California's Beverage Container Recycling and

**Litter Reduction Program** 





### Fact

In 2019, Californians recycled an average of 50,595,497 beverage containers each day, which equates to more than 18.5 billion CRV beverage containers for the year.

### California Environmental Protection Agency Department of Resources Recycling and Recovery Division of Recycling

Information accurate as of May 2020. Values shown may change over time. Due to rounding, figures may not add to 100%

## 2020 CONTAINERS PER POUND (Recycling Centers Only)\*

Material	# of Containers	Refund Value
Aluminum	29.5	\$1.61
Glass	1.92	\$0.104
#1 PET	23	\$1.28
#2 HDPE	6.9	\$0.58
#3 PVC	9.7	\$0.48
#4 LDPE	40.8	\$2.04
#5 PP	11	\$0.55
#6 PS	109.7	\$5.49
#7 Other	3.1	\$0.31
Bimetal	8.1	\$0.41

\* Rates effective 1/1/2020, as published in 2020 Recycling Program Rates published 12/1/2019.

## CONTAINERS CURRENTLY INCLUDED IN THE BEVERAGE CONTAINER RECYCLING PROGRAM

- Beer and other malt beverages
- Wine coolers and distilled spirit coolers
- Carbonated fruit drinks
- Carbonated water, including soda and carbonated mineral water
- Carbonated soft drinks
- Non-carbonated water
- Non-carbonated soft drinks and "sport" drinks
- Non-carbonated fruit drinks that contain any percentage of fruit juice (excluding 100% fruit juice in 46 oz. or larger containers)
- Coffee and tea drinks
- Vegetable juices in beverage containers of 16 oz. or smaller.

## SALES AND RETURNS

#### Calendar Year 2020 (Millions of Containers)

Material	Sales	Returns		
Aluminum	8,702.3	31 7,067.70		
Glass	3,085.4	46 2,064.30		
#1 PET	12,369.2	9,172.96		
#2 HDPE	176.9	96 119.65		
#3 PVC	0.2	21 0.00		
#4 LDPE	6.9	98 0.32		
#5 PP	3.5	50 0.68		
#6 PS	151. <sup>-</sup>	19 33.94		
#7 Other	32.5	54 2.63		
Bimetal	39.4	46 5.17		
All Materials	24,567.8	82 18,467.36		

#### RECYCLING RATES Calendar Years

Material	2017	2018	2019
Aluminum	84%	83%	81%
Glass	69%	66%	67%
#1 PET	73%	74%	74%
#2 HDPE	64%	65%	68%
#3 PVC	11%	14%	1%
#4 LDPE	3%	3%	5%
#5 PP	7%	11%	19%
#6 PS	26%	27%	22%
#7 Other	7%	7%	8%
Bimetal	12%	14%	13%
All Materials	75%	76%	75%

## **PROCESSING FEE MEASUREMENTS**

#### 2020 RECYCLING CENTER COST PER TON\*

Material	Cost per Ton
Aluminum	\$646.66
Glass	\$150.62
#1 PET	\$570.37
#2 HDPE	\$951.30
#3 PVC	\$1,496.40
#4 LDPE	\$2,134.75
#5 PP	\$1,915.16
#6 PS	\$1,186.27
#7 OTHER	\$1,299.75
Bimetal	\$1,199.17
* 2019 costs with	n reasonable financia

\* 2019 costs with reasonable financial return plus Cost of Living Adjustment as published in 2020 Processing Fees Notice dated 12/16/2020.

### 2019 ANNUALIZED SCRAP VALUES PER TON\*

Material	Scrap Value per Ton
Aluminum	\$1,142.22
Glass	-\$2.38
#1 PET	\$194.23
#2 HDPE	\$195.92
#3 PVC	\$0
#4 LDPE	\$5.99
#5 PP	\$28.84
#6 PS	\$12.67
#7 Other	\$1.52
Bimetal	\$3.07

\* For period 10/2018–09/2019 as published in 2020 Processing Fees Notice dated 12/16/2019.

# 2020 PROCESSING PAYMENTS TO RC, CS,CP/DP, SP PER TON\*

Material	Processing Payment
Glass	\$153.00
#1 PET	\$376.14
#2 HDPE	\$755.38
#3 PVC	\$1,496.40
#4 LDPE	\$2,128.76
#5 PP	\$1,886.32
#6 PS	\$1,173.60
#7 Other	1,298.23
Bimetal	1,196.10
* Datas affast	· · · · · · · · · · · · · · · · · · ·

\* Rates effective 1/1/2020, as published in 2020 Processing Payments Notice dated 12/16/2020. No Processing Payment for Aluminum.

#### 2020 PROCESSING FEE PAID BY MANUFACTURERS PER CONTAINER SOLD\*

Material	Processing Fee per Container Sold
Glass	\$0.00375
#1 PET	\$0.00066
#2 HDPE	\$0.00602
#3 PVC	\$0.05014
#4 LDPE	\$0.01696
#5 PP	\$0.05573
#6 PS	\$0.00348
#7 Other	\$0.13610
Bimetal	\$0.04799
* Potos offostivo	1/1/2020 as published in

\* Rates effective 1/1/2020, as published in 2020 Processing Fees Notice dated 12/16/2019. No Processing Fee for Aluminum.

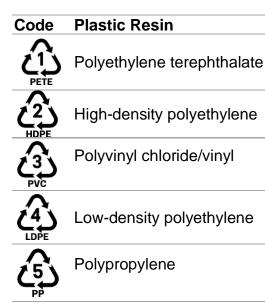
### TOTAL 2019 PROCESSING PAYMENTS PAID TO RC, CS, CP/DP, SP (MILLIONS)

Material	Processing Payments Paid
Glass	\$66.347
#1 PET	\$62.710
#2 HDPE	\$4.236
#3 PVC	\$0.000
#4 LDPE	\$0.006
#5 PP	\$0.038
#6 PS	\$0.123
#7 Other	\$0.374
Bimetal	\$0.264
Total Processing Payment	\$134.097

#### TOTAL 2019 PROCESSING FEES PAID BY MANUFACTURERS (MILLIONS)

Material	Processing Fees Paid
Glass	\$9.285
#1 PET	\$8.821
#2 HDPE	\$0.858
#3 PVC	\$0.001
#4 LDPE	\$0.194
#5 PP	\$0.148
#6 PS	\$0.482
#7 Other	\$2.227
Bimetal	\$1.760
Total Processing Fees	\$23.777

## PLASTIC RESIN CODE DESCRIPTION



Polystyrene



Other plastics, includes multilayer

#### PROGRAM HISTORY AB 2020 (Margolin) authorizing

# AB 2020 (Margolin), authorizing legislation, signed 9/28/86

- Distributor labeling requirements and redemption payments began 9/1/87
- Dealer signage requirements and consumer redemptions began 10/1/87

## Over 75 Bills enacted since 1987, including:

- SB 1221 (Hart), 1989: Two-for-a-nickel
- AB 87 (Sher), 1992: Processing fees, handling fees
- SB 1178 (O'Connell, Sher), 1995: Processing fees, handling fees
- SB 332 (Sher), 2000: New containers, program expenditures
- processing payments, expenditures
- AB 3056 (Nat'l Res Comm.), 2006: CRV, processing fees, processing payments, expenditures
- SB 63 (Strickland), 2009: Merged the Integrated Waste Management Board and the Division of Recycling into the new Department of Resources Recycling and Recovery (CalRecycle)
- AB 7 (8X) (Budget Comm.), 2010: Fiscal solvency
- AB 1933 (Gordon), 2012: Enforcement authority, handling fees
- SB 861 (Budget Comm.), 2014: Enforcement; Community Conservation Corps
- AB 1005 (Gordon), 2016: Extended the plastic market development program, until 1/1/2018
- AB 2530 (Gordon), 2016: Established plastic content reporting requirements

- SB 458 (Wiener), 2017; Established the Beverage Container Recycling Pilot Program
- SB 854 (Budget Comm.), 2018: Enforcement authority
- SB 875 (Budget Comm.), 2018: Added new definitions and extended the plastic market development program to 2022
- AB 2493 (Bloom), 2018: Electronic payments, RVM requirements
- AB 54 (Ting), 2019: Pilot project extension, funding, and revision of requirements; dealer temporary exemptions

## FUNDS PAID TO CITIES AND COUNTIES Fiscal Year 2019-20

Total Funds Awarded: \$9.5M Total Funds Available: \$10.5M Eligible Cities and Cities: 539 Number of Recipients: 411

## LOCAL COMMUNITY CONSERVATION CORPS GRANTS – Fiscal Year 2019-20

Total Funding Provided: \$16.5 M Number of Applicants for Grants: 14

## **BEVERAGE CONTAINER RECYCLING GRANTS – Fiscal Year 2018-19**

Total Funds Awarded: \$1.29M Number of Recipients: 6

## CALIFORNIA BEVERAGE CONTAINER RECYCLING FUND ACTIVITY

## Fiscal Year 2019-20 Estimated

Estimated Revenues	(Millions)	
CRV In (minus 1.5% admin fee from Distributors)	\$1,319.2	
Interest	\$3.8	

Estimated Expenditures	(Millions)
CRV Out (plus 2.5% admin fee to Processors)	\$1,075.0
Processing Fee Offset	\$124.9
DOR Administration	\$59.3
Handling Fees (to CZ RCs)	\$46.0
Curbside/Neighborhood Drop- Off Supplemental Payments	\$15.0
Cities and Counties Payments	\$10.5
Public Education	\$5.0
Quality Incentive Payment Program (for single-stream glass cleaning/color sorting)	\$10.0
Market Development Payments (for plastics)	\$10.0
Community Conservation Corps Grants	\$8.5
Nonprofit Competitive Grants	\$1.5

#### CONVENIENCE ZONE RECYCLERS -Calendar Year 2019

Number of Handling Fee Sites: 820 Average Handling Fee: \$5,420.34

## PARTICIPANT SHARES

Calendar Yea	r 2019				
Participant	CRV Out (%)	AL (%)	GL (%)	P1 (%)	<b>P2</b> (%)
Traditional RCs	55	57	45	54	37
Supermarket- Sited Handling Fee RCs	27	27	18	27	19
Supermarket- Sited Non- Handling Fee RCs	6	6	5	6	6
Curbside Programs	10	7	25	11	31
CP/DP/SP	3	2	7	3	6

# ENFORCEMENT ACTIONS AND INSPECTIONS

## Calendar Year 2019

Compliance Audits Completed: 57 Audit Findings: \$6.973 M Processor Load Inspections: 2,994 Claims Denied or Reduced: 14 **Recycler Inspections Conducted: 1,974** Notice of Noncompliance issued: 408 Notices of Violation Issued: 152 **Investigations Completed: 97** Recyclers placed on Prepayment Controls: 30 Probationary Reviews Completed:147 Handling Fee Review: 56 Handling Fee Denied: 33 **Dealer Inspections Conducted: 2584** Notices of Noncompliance Issued: 1,702 Notices of Violation Issued: 159

## **PROGRAM PARTICIPANTS**

Participants	Count
Processors (PR)	166
Buyback Centers (RC)	1,253
Curbside Programs	603
Collection/Drop-Off (CP/DP)	175
Community Service (SP)	179
Beverage Manufacturers	2,207
Distributors	2,293