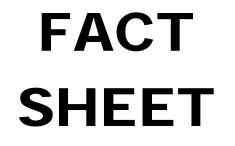
California's Beverage Container Recycling and Litter Reduction Program





### Fact

In 2018, Californians recycled an average of 50,926,861 beverage containers each day, which equates to more than 18.6 billion CRV beverage containers for the year.

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

Information accurate as of June 2018. Values shown may change over time. Due to rounding, figures may not add to 100%

### 2019 CONTAINERS PER POUND (Recycling Centers Only)\*

Glass1.95\$#1 PET23.1#2 HDPE7#3 PVC5.1#4 LDPE40.6#5 PP10.3	
#1 PET   23.1     #2 HDPE   7     #3 PVC   5.1     #4 LDPE   40.6     #5 PP   10.3	\$1.61
#2 HDPE 7   #3 PVC 5.1   #4 LDPE 40.6   #5 PP 10.3	0.104
#3 PVC   5.1     #4 LDPE   40.6     #5 PP   10.3	\$1.29
#4 LDPE 40.6 #5 PP 10.3	\$0.60
#5 PP 10.3	\$0.25
	\$2.03
#6 PS 112.2	\$0.56
	\$5.61
#7 Other 3.2	\$0.31
Bimetal 8.1	\$0.40

\* Rates effective 1/1/2019, as published in 2019 Recycling Program Rates published 12/1/2018.

### 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

Calenda	ar Year	2018	(Millions	of	Containers	3)
		_				

Material	Sales	Returns
Aluminum	8,496.28	7,029.96
Glass	3,209.65	2,113.55
#1 PET	12,480.70	9,276.24
#2 HDPE	196.17	127.77
#3 PVC	0.12	0.02
#4 LDPE	8.85	0.29
#5 PP	3.51	0.37
#6 PS	117.42	32.05
#7 Other	44.75	2.93
Bimetal	37.28	5.12
All Materials	24,594.72	18,588.30

#### RECYCLING RATES Calendar Years

Material	2016	2017	2018
Aluminum	91%	84%	83%
Glass	72%	69%	66%
#1 PET	76%	73%	74%
#2 HDPE	65%	64%	65%
#3 PVC	13%	11%	14%
#4 LDPE	2%	3%	3%
#5 PP	7%	7%	11%
#6 PS	24%	26%	27%
#7 Other	8%	7%	7%
Bimetal	11%	12%	14%
All Materials	80%	75%	76%

# **PROCESSING FEE MEASUREMENTS**

#### 2019 RECYCLING CENTER COST PER TON\*

Material	Cost per Ton
Aluminum	\$576.31
Glass	\$120.87
#1 PET	\$503.93
#2 HDPE	\$654.10
#3 PVC	\$1,031.36
#4 LDPE	\$1,468.28
#5 PP	\$1,321.02
#6 PS	\$815.19
#7 OTHER	\$894.02
Bimetal	\$823.32

\* 2018 costs with reasonable financial return plus Cost of Living Adjustment as published in 2019 Processing Fees Notice dated 12/14/2018.

### 2018 ANNUALIZED SCRAP VALUES PER TON\*

Material	Scrap Values per Ton
Aluminum	\$1,519.29
Glass	-\$2.97
#1 PET	\$206.44
#2 HDPE	\$207.18
#3 PVC	\$0
#4 LDPE	\$4.79
#5 PP	\$138.72
#6 PS	\$12.44
#7 Other	\$1.88
Bimetal	\$8.74

\* For period 10/2017–09/2018 as published in 2019 Processing Fees Notice dated 12/14/2018.

### 2019 PROCESSING PAYMENTS TO RC, CS,CP/DP, SP PER TON\*

Material	Urban	Rural
	Recycler	Recycler
Glass	\$123.40	\$128.91
#1 PET	\$295.72	\$318.69
#2 HDPE	\$444.94	\$474.77
#3 PVC	\$1,025.78	\$1,072.70
#4 LDPE	\$1,458.57	\$1,525.50
#5 PP	\$1,174.11	\$1,234.16
#6 PS	\$800.74	\$837.94
#7 Other	\$889.09	\$929.85
Bimetal	\$813.29	\$850.89

\* Rates effective 1/1/2019, as published in 2019 Processing Payments Notice dated 12/14/2018. No Processing Payment for Aluminum.

#### 2019 PROCESSING FEE PAID BY MANUFACTURERS PER CONTAINER SOLD\*

Processing Fee Container Sold	e per
	\$0.00288
	\$0.00055
	\$0.00383
	\$0.06572
	\$0.01172
	\$0.03731
	\$0.00233
	\$0.09061
	\$0.03268
	•

\* Rates effective 1/1/2019, as published in 2019 Processing Fees Notice dated 12/14/2018. No Processing Fee for Aluminum.

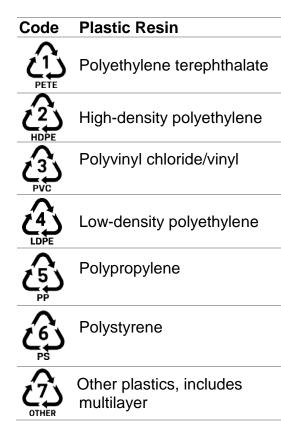
### TOTAL 2018 PROCESSING PAYMENTS PAID TO RC, CS, CP/DP, SP (MILLIONS)

Material	Processing Payments Paid
Glass	\$66.586
#1 PET	\$56.510
#2 HDPE	\$4.342
#3 PVC	\$0.001
#4 LDPE	\$0.005
#5 PP	\$0.025
#6 PS	\$0.102
#7 Other	\$0.395
Bimetal	\$0.262
Total Processing Payment	\$128.228

#### TOTAL 2018 PROCESSING FEES PAID BY MANUFACTURERS (MILLIONS)

Material	Processing Fees Paid
Glass	\$9.483
#1 PET	\$7.044
#2 HDPE	\$0.896
#3 PVC	\$0.002
#4 LDPE	\$0.250
#5 PP	\$0.124
#6 PS	\$0.380
#7 Other	\$2.321
Bimetal	\$2.013
Total Processing Fees	\$22.513

# PLASTIC RESIN CODE DESCRIPTION



# **PROGRAM HISTORY** 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

### FUNDS PAID TO CITIES AND COUNTIES Fiscal Year 2018-19

Total Funds Awarded: \$9.6M Total Funds Available: \$10.5M Eligible Cities and Cities: 539 Number of Recipients: 405

# LOCAL COMMUNITY CONSERVATION

CORPS GRANTS – Fiscal Year 2018-19

Total Funding Provided: \$7.8 M Number of Applicants for Grants: 14

# BEVERAGE CONTAINER RECYCLING GRANTS – Fiscal Year 2018-19

Total Funds Awarded: \$1.4M Number of Recipients: 4

# CALIFORNIA BEVERAGE CONTAINER RECYCLING FUND ACTIVITY

### Fiscal Year 2018-19 Estimated

Estimated Revenues	(Millions)
CRV In (minus 1.5% admin fee from Distributors)	\$1,350.5
Interest	\$1.9

Estimated Expenditures	(Millions)
CRV Out (plus 2.5% admin fee to Processors)	\$1,084.9
Processing Fee Offset	\$109.4
DOR Administration	\$53.8
Handling Fees (to CZ RCs)	\$43.9
Curbside/Neighborhood Drop- Off Supplemental Payments	\$15.0
Cities and Counties Payments	\$10.5
Public Education	\$2.5
Quality Incentive Payment Program (for single-stream glass cleaning/color sorting)	\$10.0
Market Development Payments (for plastics)	\$15.0
Community Conservation Corps Grants	\$7.8
Nonprofit Competitive Grants	\$1.5

# **CONVENIENCE ZONE RECYCLERS -**

### Calendar Year 2018

Number of Handling Fee Sites: 820 Average Handling Fee

# PARTICIPANT SHARES

Calendar Year 2018						
Participant	CRV Out (%)	AL (%)	GL (%)	P1 (%)	<b>P2</b> (%)	
Traditional RCs	54	57	45	52	38	
Supermarket- Sited Handling Fee RCs	27	27	19	28	22	
Supermarket- Sited Non- Handling Fee RCs	7	7	5	6	7	
Curbside Programs	9	6	25	10	27	
CP/DP/SP	3	2	6	3	5	

# ENFORCEMENT ACTIONS AND INSPECTIONS

### Calendar Year 2018

**Compliance Audits Completed: 51** Audit Findings: \$5.813M Processor Load Inspections: 2,235 Claims Denied or Reduced: 32 **Recycler Inspections Conducted: 2,836** Notice of Noncompliance issued: 615 Notices of Violation Issued: 526 **Investigations Completed: 41** Recyclers placed on **Prepayment Controls: 8** Probationary Reviews Completed:195 Handling Fee Review: 32 Handling Fee Denied: 18 Dealer Inspections Conducted: 231 Notices of Noncompliance Issued: 72 Notices of Violation Issued: 46

# PROGRAM PARTICIPANTS

Participants	Count	
Processors (PR)	174	
Buyback Centers (RC)	1,534	
Curbside Programs	600	
Collection/Drop-Off (CP/DP)	177	
Community Service (SP)	189	
Beverage Manufacturers	2,194	
Distributors	2,284	