



November 21, 2024

NOTICE

To: All Interested Parties

Subject: Biannual Report of Beverage Container Sales, Returns, Redemption, and Recycling Rates

Public Resources Code Section 14551 requires the Department of Resources Recycling and Recovery (CalRecycle) to report biannually on the redemption and recycling rates for each six-month period within 130 days of the end of that period. This notice and attachment convey the redemption and recycling rates for January 2024 through June 2024. The beverage container recycling rate for all materials during the January 2024 through June 2024 period is 77 percent. Material specific rates are provided on pages 2 through 5.

Material Type	Redemption Rate	Recycling Rate	Sales	Recycled
All Materials	77%	77%	12,733,860,200	9,742,852,787

For questions regarding this report, please contact Monica Torres at (916) 341-6696 or Monica.Torres@CalRecycle.ca.gov.

Sincerely,

Amy Cameron,
Assistant Director for the Beverage Container Recycling Program

January - June 2024 Biannual Rates History

Aluminum Containers	Redemption %	Recycling %	Sales	Recycled	Refillable	Postfilled
Jan - June 2024	76	76	4,860,910,982	3,704,144,630	0	57,441,260
July - Dec 2023	70	70	5,547,623,156	3,875,952,939	0	36,825,012
Jan - June 2023	80	80	4,660,270,775	3,728,465,349	0	23,550,730
July - Dec 2022	69	69	5,631,714,733	3,913,127,130	0	25,482,109
Jan - June 2022	79	79	4,805,041,960	3,802,393,567	0	24,224,513

Glass Containers	Redemption %	Recycling %	Sales	Recycled	Refillable	Postfilled
Jan - June 2024	70	69	1,386,459,386	950,162,118	62,618	68,806,342
July - Dec 2023	72	58	1,445,646,543	834,119,228	48,272	245,974,701
Jan - June 2023	85	69	1,220,224,577	839,805,017	49,598	237,935,672
July - Dec 2022	71	59	1,495,971,500	881,314,679	43,937	232,248,319
Jan - June 2022	83	70	1,337,329,169	929,466,343	39,466	231,882,731

#1 PET Containers	Redemption %	Recycling %	Sales	Recycled	Refillable	Postfilled
Jan - June 2024	80	80	6,235,409,222	5,004,284,593	0	143,037,436
July - Dec 2023	66	66	7,315,296,179	4,837,464,581	0	165,075,987
Jan - June 2023	76	76	5,954,791,517	4,551,060,517	0	193,866,861
July - Dec 2022	66	66	7,618,422,349	5,038,687,947	0	154,183,779
Jan - June 2022	75	75	6,425,978,138	4,827,413,251	0	158,750,890

#2 HDPE Containers	Redemption %	Recycling %	Sales	Recycled	Refillable	Postfilled
Jan - June 2024	321	64	82,642,027	52,894,581	0	215,173,461
July - Dec 2023	270	53	90,632,412	47,898,122	0	199,035,540
Jan - June 2023	309	59	76,298,466	44,936,376	0	193,046,117
July - Dec 2022	252	50	93,438,216	47,140,096	0	190,995,971
Jan - June 2022	289	60	85,803,302	51,213,452	0	199,195,793

#3 PVC Containers	Redemption %	Recycling %	Sales	Recycled	Refillable	Postfilled
Jan - June 2024	2	2	25,453	447	0	11
July - Dec 2023	2	2	112,494	1,959	0	8
Jan - June 2023	28	28	9,900	2,788	0	8
July - Dec 2022	3	3	40,246	1,107	0	14
Jan - June 2022	9	9	15,751	1,371	0	81

#4 LDPE Containers	Redemption %	Recycling %	Sales	Recycled	Refillable	Postfilled
Jan - June 2024	9	2	2,601,253	60,135	0	180,069
July - Dec 2023	5	3	3,674,190	128,418	0	49,299
Jan - June 2023	3	2	3,464,147	83,326	0	26,345
July - Dec 2022	3	3	3,925,457	109,782	0	10,160
Jan - June 2022	3	3	3,067,870	97,760	0	11,303

#5 PP Containers	Redemption %	Recycling %	Sales	Recycled	Refillable	Postfilled
Jan - June 2024	55	34	5,111,337	1,726,196	0	1,183,612
July - Dec 2023	50	37	4,779,949	1,761,223	0	730,973
Jan - June 2023	27	22	5,195,616	1,165,175	0	272,694
July - Dec 2022	27	23	5,902,010	1,333,917	0	341,664
Jan - June 2022	175	175	3,167,607	5,545,849	0	241,620

#6 PS Containers	Redemption %	Recycling %	Sales	Recycled	Refillable	Postfilled
Jan - June 2024	25	24	106,265,592	25,229,129	0	2,817,621
July - Dec 2023	18	18	109,002,233	20,010,651	0	974,505
Jan - June 2023	23	20	101,996,128	20,672,420	0	3,532,305
July - Dec 2022	21	21	112,991,034	23,348,653	0	1,817,245
Jan - June 2022	22	19	113,834,508	21,492,198	0	5,108,447

#7 Other Containers	Redemption %	Recycling %	Sales	Recycled	Refillable	Postfilled
Jan - June 2024	6	6	21,481,478	1,256,284	0	184,049
July - Dec 2023	7	6	21,487,128	1,197,259	0	339,815
Jan - June 2023	6	5	21,288,393	1,050,989	0	282,970
July - Dec 2022	5	4	28,422,903	1,181,607	0	226,541
Jan - June 2022	6	5	25,556,671	1,317,183	0	334,861

Bimetal Containers	Redemption %	Recycling %	Sales	Recycled	Refillable	Postfilled
Jan - June 2024	15	14	20,893,766	3,003,421	0	382,175
July - Dec 2023	15	11	24,500,271	2,814,076	0	1,066,528
Jan - June 2023	18	11	18,713,141	2,150,608	0	1,302,540
July - Dec 2022	13	10	24,270,446	2,415,416	0	933,736
Jan - June 2022	17	12	19,487,940	2,424,068	0	1,059,680

WDS-BBP Containers	Redemption %	Recycling %	Sales	Recycled	Refillable	Postfilled
Jan – June 2024	1	1	12,059,704	91,253	0	6,456

All Materials Containers	Redemption %	Recycling %	Sales	Recycled	Refillable	Postfilled
Jan - June 2024	77	77	12,733,860,200	9,742,852,787	62,618	489,212,492
July - Dec 2023	67	66	14,562,754,555	9,621,348,457	48,272	650,072,368
Jan - June 2023	78	76	12,062,252,660	9,189,392,565	49,598	653,816,242
July - Dec 2022	67	66	15,015,098,894	9,908,660,334	43,937	606,239,538
Jan - June 2022	76	75	12,819,282,916	9,641,365,041	39,466	620,809,919

Calculation of Redemption and Recycling Rates

A = containers returned from all program types (RC, CS, CP, SP)

B = refillables returned to and reported by beverage distributors

C = postfilled, or non-CRV, containers returned from all program types (RC, CS, CP, SP)

D = number of beverage containers sold

Redemption Rate = $(A + B + [C - (0.05 \times (A + B))]) / D \times 100$ (The value in brackets [] is included only when greater than zero.)

Recycling Rate = $(A+B)/D \times 100$

Container per Pound Rates (CRV / Postfilled)	Aluminum	Glass	#1 PET	#2 HDPE	#3 PVC
January - June 2024 (RCs Only)	29.7 / 33.3	1.87 / 1.55	27.0 / 6.9	7.6 / 4.7	9.7 / NA

Container per Pound Rates (CRV / Postfilled)	#4 LDPE	#5 PP	#6 PS	#7 Other	Bimetal	WDS-BBP
January - June 2024 (RCs Only)	39.5 / NA	10.9 / NA	109.5 / NA	3.1 / NA	8.2 / NA	3.1 / NA

Footnotes:

The recycling rate formula, specified in Public Resources Code §14551(a), equals the quotient of the number of empty beverage containers returned for recycling and the number of beverage containers sold in the state. The number of beverage containers sold is based on reports from beverage distributors, and the number of beverage containers returned for recycling is based on weights in shipping reports for all program types multiplied by the container per pound rate. The container per pound rates are derived from rate determination surveys conducted from October 2023 to September 2024.

Please note that the recycling and redemption rates in the Biannual Report are calculated based on a two-month lag on containers sold to account for the time between when a beverage container is sold and when it is returned. On the other hand, the Semi-Annual Report on the Status of the Beverage Container Recycling Fund does not include this two-month lag where beverage containers sold in one month are calculated against containers returned that same month. This difference is the primary factor in any difference between the sales and returns numbers in the Biannual Report compared to the numbers in the Semi-Annual Report.

The WDS-BBP table is truncated as it is a new material type introduced into the BCRP on January 1, 2024.