



May 2, 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 from the end of that period. This notice conveys the Biannual Report of Redemption and Recycling Rates for the second half of 2023 and the full calendar year 2023. The table below is for all material. Material specific rates are provided on pages 2 through 14.

Reporting Period	Recycling Rate	Sales Containers	Recycled Containers
Jan - June 2023	76%	12,062,252,660	9,189,392,565
July - Dec 2023	66%	14,562,754,555	9,621,348,456
Calendar Year 2023	71%	26,625,007,215	18,810,741,022

The recycling rate decline for the second half of the year is consistent with the seasonal downward trend observed over the life of the recycling program.

The recycling rate is the number of California Redemption Value (CRV) beverage containers redeemed divided by the number of CRV beverage containers sold which are derived from reports received by CalRecycle from distributors, whereas recycled container counts are derived from the redemption weight (from shipping reports) multiplied by the container per pound rate.

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 is sold and when it is returned.

If you have any questions about this report, please contact Monica Torres at Monica.Torres@CalRecycle.ca.gov or (916) 341-6696.

Sincerely,

Amy Cameron
Assistant Director, Beverage Container Recycling Program

July - December 2023 Biannual Rates History

Aluminum Containers	Redemption %	Recycling %	Sales*	Recycled	Refillable	Postfilled
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
July - Dec 2021	70	70	5,471,156,854	3,809,214,274	0	38,150,010

Glass Containers	Redemption %	Recycling %	Sales*	Recycled	Refillable	Postfilled
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
July - Dec 2021	73	61	1,615,032,169	983,169,245	31,682	243,830,360

#1 PET Containers	Redemption %	Recycling %	Sales*	Recycled	Refillable	Postfilled
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
July - Dec 2021	63	63	7,647,673,519	4,796,001,060	0	143,820,961

#2 HDPE Containers	Redemption %	Recycling %	Sales*	Recycled	Refillable	Postfilled
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
July - Dec 2021	252	51	98,157,272	49,805,544	0	200,266,990

#3 PVC Containers	Redemption %	Recycling %	Sales*	Recycled	Refillable	Postfilled
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	1107	0	14
Jan - June 2022	9	9	15,751	1371	0	81
July - Dec 2021	3	3	27,382	738	0	63

#4 LDPE Containers	Redemption %	Recycling %	Sales*	Recycled	Refillable	Postfilled
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
July - Dec 2021	4	3	3,554,937	121,197	0	12,451

#5 PP Containers	Redemption %	Recycling %	Sales*	Recycled	Refillable	Postfilled
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
July - Dec 2021	38	33	2,541,995	845,506	0	172,082

#6 PS Containers	Redemption %	Recycling %	Sales*	Recycled	Refillable	Postfilled
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
July - Dec 2021	29	20	105,175,333	21,128,373	0	10,180,565

#7 Other Containers	Redemption %	Recycling %	Sales*	Recycled	Refillable	Postfilled
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
July - Dec 2021	6	5	27,003,355	1,395,227	0	235,344

Bimetal Containers	Redemption %	Recycling %	Sales*	Recycled	Refillable	Postfilled
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
July - Dec 2021	11	9	29,934,132	2,635,186	0	700,706

All Materials Containers	Redemption %	Recycling %	Sales*	Recycled	Refillable	Postfilled
July - Dec 2023	67	66	14,562,754,555	9,621,348,456	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	9,641,365,042	39,466	620,809,919
July - Dec 2021	65	64	15,000,256,948	9,664,316,350	31,682	637,369,532

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
July - December 2023 (RCs Only)	30 / 24.1	1.96 / 0.92	24.3 / 6.8	7.6 / 4.6	9.7 / NA

Container per Pound Rates (CRV / Postfilled)	#4 LDPE	#5 PP	#6 PS	#7 Other	Bimetal
July - December 2023 (RCs Only)	40.8 / NA	10.9 / NA	100.2 / NA	3.1 / NA	8 / NA

Footnotes:

*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 is sold and when it is returned.

CALENDAR YEAR REDEMPTION AND RECYCLING RATES

ALUMINUM	REDEMPTION¹	RECYCLING¹	SALES²	RECYCLED	REFILLABLE	POSTFILLED
2023	75	75	10,207,893,931.00	7,604,418,288.00	0	60,375,742
2022	74	74	10,436,756,693	7,715,520,697	0	49,706,622
2021	73	73	10,218,578,997	7,421,179,954	0	70,209,195
2020	73	73	9,906,742,083	7,231,121,028	0	111,804,195
2019	81	81	8,702,312,218	7,067,701,694	0	214,329,691
2018	83	83	8,496,275,069	7,029,959,691	0	127,357,733
2017	84	84	8,409,606,223	7,039,391,287	0	154,337,149
2016	91	91	8,068,556,241	7,302,353,358	0	209,042,908
2015	92	92	8,297,754,037	7,623,513,937	0	213,740,627
2014	96	96	8,267,153,457	7,964,789,638	0	216,292,882
2013	100	100	8,346,419,513	8,342,134,093	0	276,884,070
2012	94	94	8,638,801,146	8,123,249,346	0	208,967,732
2011	97	97	8,528,534,391	8,297,656,638	0	131,255,848
2010	94	94	8,830,503,071	8,262,251,598	0	183,283,911
2009	91	91	9,200,376,864	8,354,269,499	0	145,503,506
2008	84	84	9,539,853,194	8,004,343,689	0	44,421,762
2007	79	79	9,613,050,224	7,616,879,727	0	88,490,455
2006	72	72	10,018,815,900	7,217,550,376	0	10,495,163
2005	73	73	9,649,079,960	7,073,940,741	0	16,864,583
2004	76	75	9,764,193,509	7,361,715,276	0	3,312,941
2003	67	70	9,595,275,797	6,682,353,680	0	58,635,725
2002	74	74	9,420,894,816	6,971,154,448	0	85,989,348
2001	75	75	9,426,681,445	7,036,772,391	0	75,404,003
2000	76	76	9,521,709,518	7,086,969,721	0	73,859,460
1999	80	80	9,189,990,393	7,348,438,576	0	155,372,430
1998	80	80	9,273,717,898	7,381,508,007	0	178,559,988
1997	80	80	9,192,062,677	7,391,944,684	0	206,552,057
1996	80	80	9,046,339,201	7,257,109,422	0	157,451,082
1995	84	84	8,996,915,732	7,565,437,626	0	293,381,456
1994	82	82	9,640,060,625	7,859,363,654	0	150,118,131
1993	84	84	9,473,124,532	7,926,540,025	0	214,496,528
1992	85	85	9,849,092,574	8,378,479,015	0	204,306,718
1991	85	85	9,735,460,863	8,235,715,915	0	170,214,314
1990	76	76	9,859,752,871	7,478,135,392	0	153,794,134
1989	64	64	9,231,958,871	5,940,283,700	0	49,407,050
1988	62	61	8,829,125,615	5,416,522,775	0	358,327,175

GLASS	REDEMPTION ¹	RECYCLING ¹	SALES ²	RECYCLED	REFILLABLE	POSTFILLED
2023	78	63	2,665,871,120	1,673,924,246	97,870	483,910,373
2022	77	64	2,833,300,669	1,810,781,022	83,403	464,131,050
2021	77	64	3,001,394,070	1,923,230,885	69,640	477,078,373
2020	72	59	3,136,493,639	1,864,473,242	23,350	483,806,743
2019	79	67	3,085,462,835	2,064,298,218	899	489,627,223
2018	78	66	3,209,646,933	2,113,551,175	2,477	504,875,146
2017	82	69	3,270,271,925	2,266,574,911	37,690	530,074,562
2016	84	72	3,222,285,210	2,305,739,337	950	501,429,413
2015	85	73	3,280,048,103	2,389,147,194	22,705	522,253,148
2014	90	76	3,148,106,432	2,400,935,074	36,520	557,545,103
2013	97	85	3,041,977,661	2,594,514,420	456	480,918,476
2012	96	84	2,995,935,708	2,519,706,355	558	468,025,919
2011	96	84	2,900,759,697	2,439,782,363	808	455,012,720
2010	95	85	2,925,441,274	2,482,262,726	618	420,232,943
2009	91	80	3,131,130,270	2,519,321,210	1,697	440,461,371
2008	84	76	3,339,106,477	2,523,961,411	7,525	391,349,224
2007	75	67	3,489,108,046	2,330,774,614	9,638	389,179,670
2006	66	59	3,608,513,760	2,112,947,786	2,821	370,369,583
2005	65	58	3,466,533,078	2,013,762,725	2,130	353,661,624
2004	63	56	3,479,268,354	1,955,998,098	128,867	342,089,880
2003	58	51	3,389,513,062	1,723,047,987	364,085	314,717,017
2002	59	52	3,426,758,463	1,788,856,334	380,457	314,008,206
2001	62	54	3,469,509,699	1,868,554,693	378,452	362,368,007
2000	60	54	3,342,291,557	1,828,493,003	4,193,806	315,211,767
1999	71	60	2,699,056,360	1,563,428,698	56,547,053	381,756,617
1998	75	63	2,547,082,395	1,533,478,471	78,152,008	379,486,791
1997	79	67	2,488,007,100	1,575,406,811	90,836,718	383,973,447
1996	82	69	2,432,063,268	1,574,020,543	102,421,509	400,541,247
1995	86	74	2,477,905,727	1,731,621,270	111,828,496	376,815,597
1994	84	73	2,554,889,789	1,735,423,078	125,310,440	384,421,672
1993	86	75	2,524,975,195	1,753,023,220	147,140,942	369,469,526
1992	95	72	2,638,669,944	1,718,900,206	168,996,240	718,914,546
1991	85	71	2,837,961,367	1,802,801,890	198,954,148	508,723,118
1990	60	57	3,252,914,365	1,644,555,614	215,792,631	183,272,912
1989	45	40	3,136,247,664	945,069,624	304,045,641	216,179,258
1988	44	35	3,165,716,125	664,948,766	441,803,396	324,349,294

#1 PET	REDEMPTION ¹	RECYCLING ¹	SALES ²	RECYCLED	REFILLABLE	POSTFILLED
2023	71	71	13,270,087,696	9,388,525,098	0	358,942,848
2022	70	70	14,044,400,487	9,866,101,198	0	312,934,669
2021	66	66	13,697,908,971	9,098,450,550	0	296,122,017
2020	68	68	12,802,225,149	8,761,768,073	0	312,656,131
2019	74	74	12,369,209,759	9,172,964,125	0	289,920,201
2018	74	74	12,480,696,915	9,276,239,810	0	296,726,803
2017	73	73	12,302,723,580	8,949,680,573	0	289,286,533
2016	76	76	11,321,199,632	8,613,500,849	0	306,575,421
2015	77	77	10,960,184,638	8,385,960,379	0	316,555,679
2014	70	70	10,227,236,602	7,195,120,848	0	284,255,852
2013	74	74	9,463,507,792	6,967,199,447	0	240,790,404
2012	70	70	8,987,380,757	6,261,353,441	0	226,008,864
2011	67	67	8,506,386,719	5,691,492,496	0	184,324,414
2010	68	68	8,047,937,685	5,479,307,708	0	176,256,081
2009	73	73	8,181,154,963	6,005,759,655	0	158,405,528
2008	62	62	8,603,054,451	5,322,655,475	0	146,233,004
2007	54	54	8,318,703,619	4,526,823,914	0	137,690,275
2006	47	47	7,798,923,048	3,644,524,984	0	141,107,582
2005	46	46	6,858,895,480	3,124,591,752	0	130,597,359
2004	39	39	6,415,159,040	2,512,392,756	0	121,121,275
2003	36	35	5,553,858,516	1,947,144,218	0	125,886,380
2002	36	36	4,732,756,528	1,687,585,835	0	106,089,707
2001	37	36	4,032,761,142	1,435,601,027	0	112,531,165
2000	34	34	3,239,139,000	1,181,701,068	0	73,332,339
1999	79	65	1,278,411,247	829,974,260	0	223,909,692
1998	69	57	1,284,678,834	731,421,805	0	193,778,325
1997	69	58	1,206,774,464	698,322,157	0	168,565,032
1996	69	59	1,028,068,545	607,521,858	0	127,904,829
1995	74	64	760,783,391	488,882,966	0	99,011,197
1994	80	71	605,667,834	429,468,272	0	77,573,604
1993	76	70	577,329,580	403,344,084	0	58,323,616
1992	75	68	549,907,144	371,540,845	0	58,814,794
1991	58	56	530,597,819	299,758,173	0	20,829,383
1990	31	31	558,856,452	171,828,692	0	8,298,647
1989	7	7	556,680,692	37,863,612	0	1,221,987
1988	5	4	560,093,605	24,327,749	0	2,971,618

#2 HDPE	REDEMPTION ¹	RECYCLING ¹	SALES ²	RECYCLED	REFILLABLE	POSTFILLED
2023	288	56	166,930,878	92,834,498	0	392,081,656
2022	270	55	179,241,518	98,353,548	0	390,191,764
2021	268	53	186,886,015	99,851,519	0	406,325,505
2020	273	54	187,886,759	101,804,440	0	415,713,806
2019	336	68	176,959,519	119,652,442	0	481,037,717
2018	335	65	196,169,790	127,773,380	0	535,897,033
2017	287	64	228,384,097	145,503,079	0	517,892,461
2016	290	65	243,041,893	157,076,648	0	555,856,203
2015	295	74	257,506,550	190,081,689	0	577,827,205
2014	273	70	272,138,526	190,263,155	0	563,053,273
2013	307	108	291,718,544	315,062,959	0	595,537,108
2012	223	91	361,328,577	330,556,020	0	491,647,800
2011	264	104	313,253,833	325,908,263	0	516,331,345
2010	235	92	328,475,429	302,278,255	0	483,678,996
2009	239	109	333,773,107	363,460,377	0	452,634,864
2008	210	91	340,429,976	311,121,660	0	420,195,579
2007	172	67	380,601,853	256,710,868	0	411,767,176
2006	168	59	368,095,875	217,278,376	0	412,468,760
2005	149	51	390,610,134	199,446,347	0	393,714,308
2004	131	47	425,894,436	198,752,419	0	370,342,710
2003	97	34	525,379,842	176,430,068	0	342,980,733
2002	118	42	427,072,126	181,466,591	0	331,509,039
2001	110	39	457,575,262	177,141,048	0	336,565,235
2000	98	22	385,191,241	93,243,804	0	345,788,475

#3 PVC	REDEMPTION ¹	RECYCLING ¹	SALES ²	RECYCLED	REFILLABLE	POSTFILLED
2023	4	4	122,394	4,747	0	16
2022	4	4	55,997	2,478	0	95
2021	1	1	267,560	1,562	0	114
2020	0	0	436,310	1,332	0	42
2019	1	1	210,042	1,925	0	34
2018	14	14	116,110	16,651	0	46
2017	11	11	126,250	13,874	0	81
2016	13	13	58,871	7,945	0	109
2015	49	49	22,282	10,924	0	73
2014	18	18	20,875	3,830	0	205
2013	14	14	54,770	7,575	0	467
2012	5	5	259,977	12,130	0	139
2011	15	15	288,373	44,672	0	467
2010	0	0	740,085	950	0	23
2009	0	0	986,777	1,846	0	0
2008	8	8	948,340	78,331	0	1,399
2007	14	14	752,626	107,992	0	6
2006	19	19	314,221	60,124	0	529
2005	6	6	570,261	36,597	0	1,693
2004	5	5	922,688	45,486	0	3,719
2003	5	4	1,151,133	48,650	0	7,218
2002	1	1	3,518,723	19,920	0	5,642
2001	2	1	3,519,764	51,490	0	4,172
2000	2	2	2,259,829	46,244	0	9,514

#4 LDPE	REDEMPTION ¹	RECYCLING ¹	SALES ²	RECYCLED	REFILLABLE	POSTFILLED
2023	4	3	7,138,337	211,744	0	75,644
2022	3	3	6,993,327	207,542	0	21,463
2021	4	4	6,021,418	213,998	0	40,200
2020	3	3	8,040,665	244,825	0	27,750
2019	5	5	6,980,796	316,566	0	36,380
2018	7	3	8,849,177	289,590	0	322,317
2017	9	3	10,929,120	280,556	0	735,664
2016	5	2	14,437,846	298,237	0	443,795
2015	16	2	19,625,339	306,647	0	2,924,288
2014	3	2	21,309,912	319,935	0	306,320
2013	2	1	27,124,410	384,458	0	167,660
2012	2	1	22,943,164	323,117	0	200,156
2011	1	1	21,433,162	305,845	0	25,058
2010	1	1	17,732,929	134,941	0	9,340
2009	1	1	10,393,343	85,146	0	5,705
2008	0	0	8,828,872	14,277	0	3,222
2007	0	0	6,888,846	10,778	0	5,543
2006	0	0	6,462,289	5,782	0	12,055
2005	0	0	6,900,494	8,140	0	1,265
2004	0	0	5,862,416	2,951	0	473
2003	0	0	7,301,050	2,575	0	13,214
2002	0	0	13,679,022	2,417	0	10,423
2001	1	0	14,066,167	9,638	0	106,864
2000	0	0	893,623	228	0	47

#5 PP	REDEMPTION ¹	RECYCLING ¹	SALES ²	RECYCLED	REFILLABLE	POSTFILLED
2023	38	29	9,975,565	2,926,398	0	1,003,666
2022	78	76	9,069,617	6,879,766	0	583,284
2021	29	25	5,326,461	1,354,390	0	268,142
2020	18	15	5,360,503	828,000	0	156,410
2019	21	19	3,496,216	677,941	0	97,751
2018	12	11	3,512,434	372,222	0	81,311
2017	9	7	3,685,434	272,468	0	75,953
2016	8	7	2,910,542	197,091	0	36,081
2015	7	6	3,251,575	187,461	0	47,341
2014	15	13	1,472,747	190,362	0	42,866
2013	11	10	831,473	79,852	0	14,400
2012	6	5	2,518,323	129,398	0	17,068
2011	6	3	1,065,288	34,744	0	29,587
2010	4	4	695,958	24,392	0	2,890
2009	1	1	1,353,506	12,435	0	3,300
2008	1	1	1,709,379	13,082	0	623
2007	3	3	2,210,175	77,063	0	572
2006	2	2	3,945,154	73,484	0	3,867
2005	1	1	3,074,850	22,976	0	942
2004	1	1	3,139,197	21,889	0	0
2003	1	1	1,790,682	12,098	0	6,925
2002	2	1	1,107,605	16,537	0	5,057
2001	8	7	514,294	34,721	0	6,094
2000	10	10	811,660	79,025	0	2,529

#6 PS	REDEMPTION ¹	RECYCLING ¹	SALES ²	RECYCLED	REFILLABLE	POSTFILLED
2023	20	19	210,998,361	40,683,071	0	4,506,810
2022	22	20	226,825,542	44,840,851	0	6,925,692
2021	25	20	202,782,027	39,881,547	0	12,081,409
2020	19	19	178,028,914	34,453,946	0	1,344,254
2019	23	22	151,187,103	33,942,047	0	2,424,368
2018	28	27	117,416,820	32,047,313	0	1,972,758
2017	26	26	115,690,328	29,658,318	0	1,499,456
2016	24	24	120,070,037	28,497,050	0	1,860,653
2015	24	23	120,276,873	27,793,553	0	1,973,833
2014	17	17	108,792,272	18,432,197	0	1,167,758
2013	19	19	94,851,400	18,123,173	0	963,780
2012	18	18	80,123,381	14,661,171	0	756,930
2011	10	10	71,353,426	7,247,675	0	270,644
2010	8	8	61,330,815	4,664,795	0	309,558
2009	3	2	62,646,529	1,309,518	0	429,732
2008	1	1	51,728,106	607,647	0	21,768
2007	1	1	33,996,598	387,283	0	40,131
2006	1	1	32,432,195	247,029	0	12,488
2005	1	1	32,641,452	205,317	0	19,544
2004	0	0	52,667,652	82,155	0	22,238
2003	0	0	74,408,481	32,680	0	50,193
2002	0	0	73,390,428	26,699	0	9,144
2001	0	0	49,856,952	39,758	0	13,855
2000	0	0	26,362,287	66,534	0	3,281

#7 OTHER	REDEMPTION ¹	RECYCLING ¹	SALES ²	RECYCLED	REFILLABLE	POSTFILLED
2023	6	5	42,775,521	2,248,248	0	622,784
2022	5	5	53,979,574	2,498,790	0	561,402
2021	7	6	42,899,443	2,710,946	0	457,978
2020	11	10	25,487,314	2,644,102	0	359,874
2019	9	8	32,541,056	2,629,150	0	398,889
2018	7	7	44,754,072	2,930,194	0	379,093
2017	8	7	47,035,718	3,338,039	0	437,919
2016	8	8	44,114,503	3,371,983	0	432,668
2015	7	7	47,510,488	3,214,588	0	363,765
2014	4	4	74,048,712	2,635,211	0	290,531
2013	6	5	57,391,420	3,059,219	0	373,112
2012	6	5	52,566,232	2,754,717	0	446,632
2011	8	7	49,979,611	3,374,367	0	628,976
2010	11	10	27,481,289	2,864,262	0	378,301
2009	9	8	37,945,726	2,998,099	0	383,619
2008	7	7	35,934,816	2,427,064	0	271,432
2007	7	6	40,366,526	2,579,342	0	266,837
2006	5	4	41,525,903	1,788,663	0	229,111
2005	6	6	29,787,510	1,801,073	0	76,924
2004	10	10	25,369,712	2,541,878	0	126,225
2003	1	1	25,520,391	290,781	0	33,095
2002	0	0	20,544,424	41,234	0	10,531
2001	0	0	10,842,578	19,820	0	10,112
2000	1	1	14,656,909	80,409	0	23,362

BIMETAL	REDEMPTION ¹	RECYCLING ¹	SALES ²	RECYCLED	REFILLABLE	POSTFILLED
2023	16	11	43,213,412	4,964,684	0	2,369,068
2022	15	11	43,758,386	4,839,484	0	1,993,416
2021	11	9	54,760,128	4,955,564	0	1,360,426
2020	16	11	42,256,459	4,444,587	0	2,684,469
2019	13	13	39,460,597	5,172,433	0	370,362
2018	14	14	37,279,599	5,124,210	0	342,551
2017	13	12	38,802,290	4,586,121	0	555,446
2016	11	11	46,678,481	4,927,750	0	640,706
2015	22	20	33,805,212	6,668,056	0	951,550
2014	27	26	33,363,634	8,576,119	0	957,200
2013	19	18	32,882,023	5,961,712	0	745,045
2012	16	16	28,031,840	4,365,312	0	459,554
2011	17	16	26,417,008	4,286,242	0	288,894
2010	13	12	23,385,562	2,893,998	0	326,352
2009	10	10	38,733,488	3,694,325	0	301,084
2008	14	14	31,632,517	4,306,701	0	347,164
2007	10	9	38,942,741	3,699,321	0	401,092
2006	8	8	41,529,914	3,235,096	0	356,523
2005	8	7	47,178,540	3,508,551	0	432,928
2004	6	5	65,019,282	3,020,186	0	1,057,274
2003	6	6	68,296,985	4,098,082	0	520,747
2002	2	1	56,396,942	785,045	0	156,002
2001	1	1	47,846,889	523,120	0	164,993
2000	1	1	25,093,499	297,767	0	63,323
1999	11	11	2,270,648	260,797	0	15,370
1998	13	13	2,088,892	264,603	0	10,246
1997	19	19	2,252,193	432,794	0	27,375
1996	17	17	2,230,519	388,095	0	29,890
1995	21	21	2,268,190	484,539	0	21,375
1994	17	17	2,506,373	430,610	0	10,470
1993	19	19	3,655,432	683,945	0	16,945
1992	12	12	6,453,684	796,519	0	42,330
1991	14	14	6,353,803	878,207	0	59,958
1990	3	3	10,529,837	314,760	0	34,415
1989	2	2	10,643,975	199,890	0	354,570
1988	0	0	7,683,421	13,237	0	300

ALL MATERIALS	REDEMPTION ¹	RECYCLING ¹	SALES ²	RECYCLED	REFILLABLE	POSTFILLED
2023	72	71	26,625,007,215	18,810,741,022	97,870	1,303,888,607
2022	71	70	27,834,381,810	19,550,025,376	83,403	1,227,049,457
2021	69	68	27,416,825,090	18,591,830,915	69,640	1,263,943,359
2020	70	68	26,292,957,795	18,001,783,575	23,350	1,328,553,674
2019	77	75	24,567,820,141	18,467,356,541	899	1,478,242,617
2018	78	76	24,594,716,919	18,588,304,236	2,477	1,467,954,791
2017	78	75	24,427,254,965	18,439,299,226	37,690	1,494,895,224
2016	83	80	23,083,353,256	18,415,970,248	950	1,576,317,957
2015	84	81	23,019,985,097	18,626,884,428	22,705	1,636,637,509
2014	84	80	22,153,643,169	17,781,266,369	36,520	1,623,911,990
2013	89	85	21,356,759,006	18,246,526,908	456	1,596,394,522
2012	84	82	21,169,889,105	17,257,111,007	558	1,396,530,794
2011	84	82	20,419,471,508	16,770,133,305	808	1,288,167,953
2010	84	82	20,263,724,097	16,536,683,625	618	1,264,478,395
2009	84	82	20,998,494,573	17,250,912,110	1,697	1,198,128,709
2008	75	74	21,953,226,128	16,169,529,337	7,525	1,002,845,178
2007	69	67	21,924,621,254	14,738,050,903	9,638	1,027,841,756
2006	61	60	21,920,558,259	13,197,711,698	2,821	935,026,546
2005	62	61	20,485,271,759	12,417,324,219	2,130	895,371,171
2004	61	59	20,237,496,286	12,034,573,093	128,867	838,076,736
2003	56	55	19,242,495,939	10,533,460,820	364,085	842,851,246
2002	60	58	18,176,119,077	10,629,955,059	380,457	837,793,099
2001	62	60	17,513,174,192	10,518,747,707	378,452	887,174,501
2000	62	61	16,558,409,123	10,190,977,803	4,193,806	808,294,098
1999	76	74	13,169,728,648	9,742,102,332	56,547,053	761,054,109
1998	76	74	13,107,568,019	9,646,672,886	78,152,008	751,835,350
1997	78	76	12,889,096,434	9,666,106,446	90,836,718	759,117,911
1996	78	76	12,508,701,533	9,439,039,918	102,421,509	685,927,048
1995	83	81	12,237,873,040	9,786,426,401	111,828,496	769,229,625
1994	80	79	12,803,124,621	10,024,685,614	125,310,440	612,123,877
1993	82	81	12,579,084,739	10,083,591,274	147,140,942	642,306,615
1992	85	82	13,044,123,346	10,469,716,585	168,996,240	982,078,388
1991	82	80	13,110,373,852	10,339,154,185	198,954,148	699,826,773
1990	70	70	13,682,053,525	9,294,834,458	215,792,631	345,400,108
1989	56	56	12,935,531,202	6,923,416,826	304,045,641	267,162,865
1988	55	52	12,562,618,766	6,105,812,527	441,803,396	685,648,387

¹ Due to the addition of new beverages on January 1, 2000 from the passage of SB332, the calculation of the redemption and recycling rates for 2000 was based on the sales and return data reported from March - December 2000. This is to account for the two month sales lag. However, the totals for the sales, recycled, refillable and postfilled columns are for January - December 2000. Beginning 2003, all recycling and redemption rates are presented as whole numbers.

² 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 is sold and when it is returned.