



DEPARTMENT OF RESOURCES RECYCLING AND RECOVERY

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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. Enclosed, please find the Biannual Report of Redemption and Recycling Rates for the six-month period of January through June 2017.

The beverage container recycling rate for all materials during the January through June 2017 period is 81 percent. Material specific recycling rates are as follows: Aluminum 90 percent, glass 75 percent, #1 PET 78 percent, #2 HDPE 70 percent, #3 PVC 4 percent, #4 LDPE 2 percent, #5 PP 11 percent, #6 PS 26 percent, #7 Other 9 percent, and Bimetal 11 percent.

The recycling rate is the number of CRV beverage containers redeemed divided by the number of CRV beverage containers sold. Sold container counts are derived from reports received by CalRecycle directly 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. On the other hand, the Quarterly Report on the Status of the Beverage Container Recycling Fund does not include this two-month lag. The Quarterly report presents the recycling rate based on a month-to-month calculation, meaning that beverage containers sold in one month are compared to 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 Quarterly Report.

If you have any questions about this report, please contact me at (916) 323-4248.

James Nachbaur
Assistant Director
for Recycling



Biannual Report of Beverage Container Sales, Returns, Redemption & Recycling Rates

ALUMINUM	REDEMPTION	RECYCLING	SALES *	RECYCLED	REFILLABLE	POSTFILLED
Jan - June 2017	90	90	3,796,200,418	3,407,720,491	0	72,881,667
July - Dec 2016	85	85	4,359,362,685	3,726,632,959	0	99,157,894
Jan - June 2016	96	96	3,709,193,556	3,575,720,399	0	109,885,014
July - Dec 2015	88	88	4,464,622,288	3,907,415,144	0	119,601,958
Jan - June 2015	97	97	3,833,131,749	3,716,098,793	0	94,138,669
GLASS						
Jan - June 2017	89	75	1,481,112,310	1,113,792,323	1,232	262,483,488
July - Dec 2016	77	66	1,743,524,602	1,154,901,811	690	249,361,342
Jan - June 2016	91	78	1,478,760,608	1,150,837,526	260	252,068,071
July - Dec 2015	81	70	1,738,831,764	1,221,627,127	21,985	254,426,058
Jan - June 2015	89	76	1,541,216,339	1,167,520,067	720	267,827,090
#1 PET						
Jan - June 2017	78	78	5,327,715,828	4,143,038,864	0	154,347,471
July - Dec 2016	70	70	6,325,621,599	4,444,189,753	0	156,266,052
Jan - June 2016	83	83	4,995,578,033	4,169,311,096	0	150,309,369
July - Dec 2015	73	73	6,148,552,627	4,478,426,732	0	148,244,720
Jan - June 2015	81	81	4,811,632,011	3,907,533,647	0	168,310,959
#2 HDPE						
Jan - June 2017	318	70	106,910,634	74,419,603	0	269,138,033
July - Dec 2016	273	60	124,291,409	74,724,088	0	268,282,517
Jan - June 2016	308	69	118,750,484	82,352,560	0	287,573,686
July - Dec 2015	265	70	136,359,904	95,064,655	0	271,445,962
Jan - June 2015	327	78	121,146,646	95,017,034	0	306,381,243
#3 PVC						
Jan - June 2017	4	4	80,693	2,876	0	57
July - Dec 2016	10	10	47,348	4,957	0	97
Jan - June 2016	26	26	11,523	2,988	0	12
July - Dec 2015	42	42	12,876	5,419	0	72
Jan - June 2015	59	59	9,406	5,505	0	1
#4 LDPE						
Jan - June 2017	6	2	5,898,235	136,600	0	234,610
July - Dec 2016	8	3	6,711,041	173,164	0	343,245
Jan - June 2016	3	2	7,726,805	125,073	0	100,550
July - Dec 2015	12	1	10,906,688	157,146	0	1,112,550
Jan - June 2015	22	2	8,718,651	149,501	0	1,811,738
#5 PP						
Jan - June 2017	14	11	1,479,549	159,430	0	53,665
July - Dec 2016	7	6	1,640,368	102,298	0	18,075
Jan - June 2016	9	7	1,270,174	94,793	0	18,006
July - Dec 2015	7	5	1,560,063	82,110	0	25,108
Jan - June 2015	7	6	1,691,512	105,351	0	22,233
#6 PS						
Jan - June 2017	26	26	53,041,617	13,987,541	0	606,139
July - Dec 2016	25	25	62,987,320	15,905,261	0	835,633
Jan - June 2016	23	22	57,082,717	12,591,789	0	1,025,020
July - Dec 2015	22	22	65,326,028	14,214,565	0	908,255
Jan - June 2015	25	25	54,950,845	13,578,988	0	1,065,578
#7 OTHER						
Jan - June 2017	10	9	17,740,827	1,645,601	0	194,066
July - Dec 2016	8	8	23,367,008	1,786,862	0	225,067
Jan - June 2016	8	8	20,747,495	1,585,121	0	207,601
July - Dec 2015	7	7	26,022,869	1,714,586	0	171,492
Jan - June 2015	8	7	21,487,619	1,500,002	0	192,273
BIMETAL						
Jan - June 2017	12	11	19,773,026	2,095,466	0	384,447
July - Dec 2016	11	11	24,218,999	2,713,119	0	158,785
Jan - June 2016	12	10	22,459,482	2,214,631	0	481,921
July - Dec 2015	18	16	18,563,313	3,033,195	0	426,726
Jan - June 2015	26	24	15,241,899	3,634,861	0	524,824
ALL MATERIALS						
Jan - June 2017	84	81	10,809,953,137	8,756,998,795	1,232	760,323,643
July - Dec 2016	77	74	12,671,772,379	9,421,134,272	690	774,648,707
Jan - June 2016	90	86	10,411,580,877	8,994,835,976	260	801,669,250
July - Dec 2015	80	77	12,610,758,420	9,721,740,679	21,985	796,362,901
Jan - June 2015	89	86	10,409,226,677	8,905,143,749	720	840,274,608

CALCULATION OF REDEMPTION AND RECYCLING RATES
A = number of empty beverage containers returned
B = refillables returned
C = postfilled food or drink packaging containers returned
D = number of beverage containers sold

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

Recycling Rate = $\frac{(A+B)}{D} \times 100$

CONTAINER PER POUND RATES (CRV / POSTFILLED)	ALUMINUM	GLASS	#1 PET	#2 HDPE	#3 PVC	#4 LDPE
Jan - June 2017 (RCs Only)	28.4 / 35.5	1.95 / 0.96	21.3 / 7.3	6.5 / 5.4	11.2 / NA	41.0 / NA
CONTAINER PER POUND RATES (CRV / POSTFILLED)	#5 PP	#6 PS	#7 OTHER	BIMETAL		
Jan - June 2017 (RCs Only)	7.1 / NA	114.2 / NA	3.2 / NA	6.7 / NA		

FOOTNOTE:

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.

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