

**DEPARTMENT OF RESOURCES RECYCLING AND RECOVERY**801 K STREET, MS 19-01, SACRAMENTO, CALIFORNIA 95814 • (916) 322-4027 • WWW.CALRECYCLE.CA.GOV**November 7, 2018****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 conveys the Biannual Report of Redemption and Recycling Rates for the six-month period of January through June 2018.

The beverage container recycling rate for all materials during the January through June 2018 period is 80 percent. Material specific recycling rates are as follows: Aluminum, 88 percent; glass, 72 percent; #1 PET, 79 percent; #2 HDPE, 65 percent; #3 PVC, 19 percent; #4 LDPE, 3 percent; #5 PP, 8 percent; #6 PS, 29 percent; #7 Other, 7 percent; and Bimetal, 15 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.

Adam Tauber
Assistant Director for Recycling

Enclosure



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

ALUMINUM	REDEMPTION	RECYCLING	SALES *	RECYCLED	REFILLABLE	POSTFILLED
Jan - June 2018	88	88	3,840,431,935	3,389,952,452	0	60,403,428
July - Dec 2017	79	79	4,613,405,805	3,631,670,796	0	81,455,482
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
GLASS						
Jan - June 2018	85	72	1,467,928,643	1,051,366,324	1,708	252,746,985
July - Dec 2017	76	64	1,789,159,615	1,152,782,588	36,458	267,591,074
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
#1 PET						
Jan - June 2018	79	79	5,570,435,192	4,376,614,454	0	130,766,241
July - Dec 2017	69	69	6,975,007,752	4,806,641,709	0	134,939,062
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
#2 HDPE						
Jan - June 2018	337	65	97,573,631	63,757,104	0	268,012,602
July - Dec 2017	260	59	121,473,463	71,083,476	0	248,754,428
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
#3 PVC						
Jan - June 2018	19	19	79,827	15,054	0	32
July - Dec 2017	24	24	45,557	10,998	0	24
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
#4 LDPE						
Jan - June 2018	8	3	4,359,071	139,516	0	204,828
July - Dec 2017	13	3	5,030,885	143,956	0	501,054
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
#5 PP						
Jan - June 2018	9	8	1,736,813	134,309	0	30,014
July - Dec 2017	6	5	2,205,885	113,038	0	22,288
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
#6 PS						
Jan - June 2018	30	29	52,386,482	15,340,554	0	983,674
July - Dec 2017	25	25	62,648,711	15,670,777	0	893,317
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
#7 OTHER						
Jan - June 2018	7	7	22,039,207	1,481,903	0	178,349
July - Dec 2017	6	6	29,294,891	1,692,438	0	243,853
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
BIMETAL						
Jan - June 2018	15	15	17,135,069	2,515,812	0	165,355
July - Dec 2017	13	13	19,029,264	2,490,655	0	170,999
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
ALL MATERIALS						
Jan - June 2018	83	80	11,074,105,870	8,901,317,482	1,708	713,491,508
July - Dec 2017	73	71	13,617,301,828	9,682,300,431	36,458	734,571,581
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

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 2018 (RCs Only)	28.8 / 35.5	1.92 / 0.98	22.3 / 7.1	6.6 / 5.7	11.2 / NA	40.8 / NA
CONTAINER PER POUND RATES (CRV / POSTFILLED)	#5 PP	#6 PS	#7 OTHER	BIMETAL		
Jan - June 2018 (RCs Only)	8.2 / NA	112.6 / NA	3.2 / NA	7.3 / 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.

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 a month-to-month calculation, meaning that sold beverage containers 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 Quarterly Report