CalRecycle

**Department of
Resources Recycling and Recovery**

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*Secretary for
Environmental Protection*

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CalRecycle Director

December 19, 2019

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 2019.

The beverage container recycling rate for all materials during the January through June 2019 period is 81 percent. Material specific recycling rates are as follows: Aluminum, 86 percent; glass, 71 percent; #1 PET, 81 percent; #2 HDPE, 73 percent; #3 PVC, 1 percent; #4 LDPE, 4 percent; #5 PP, 16 percent; #6 PS, 24 percent; #7 Other, 6 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

January - June 2019 Biannual Rates History

Aluminum Containers	Redemption %	Recycling %	Sales*	Recycled	Refillable	Postfilled
Jan - June 2019	86	86	3,917,610,618	3,370,758,496	0	121,186,228
July - Dec 2018	78	78	4,655,843,134	3,640,007,239	0	66,954,305
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
Glass Containers	**Redemption %**	**Recycling %**	**Sales***	**Recycled**	**Refillable**	**Postfilled**
Jan - June 2019	85	71	1,426,247,821	1,017,564,421	714	247,626,146
July - Dec 2018	72	61	1,741,718,290	1,062,184,851	769	252,128,161
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
#1 PET Containers	**Redemption %**	**Recycling %**	**Sales***	**Recycled**	**Refillable**	**Postfilled**
Jan - June 2019	81	81	5,441,919,663	4,405,117,765	0	138,508,116
July - Dec 2018	71	71	6,910,261,723	4,899,625,356	0	165,960,562
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
#2 HDPE Containers	**Redemption %**	**Recycling %**	**Sales***	**Recycled**	**Refillable**	**Postfilled**
Jan - June 2019	372	73	83,136,685	61,015,178	0	251,247,245
July - Dec 2018	333	65	98,596,159	64,016,276	0	267,884,431
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

#3 PVC Containers	Redemption %	Recycling %	Sales*	Recycled	Refillable	Postfilled
Jan - June 2019	1	1	100,968	1,033	0	7
July - Dec 2018	4	4	36,283	1,597	0	14
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
#4 LDPE Containers	Redemption %	Recycling %	Sales*	Recycled	Refillable	Postfilled
Jan - June 2019	5	4	3,438,861	153,805	0	17,726
July - Dec 2018	6	3	4,490,106	150,074	0	117,489
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
#5 PP Containers	Redemption %	Recycling %	Sales*	Recycled	Refillable	Postfilled
Jan - June 2019	17	16	1,977,167	317,899	0	42,816
July - Dec 2018	16	13	1,775,621	237,913	0	51,297
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
#6 PS Containers	Redemption %	Recycling %	Sales*	Recycled	Refillable	Postfilled
Jan - June 2019	24	24	65,832,412	16,029,834	0	878,044
July - Dec 2018	26	26	65,030,338	16,706,759	0	989,084
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
#7 Other Containers	Redemption %	Recycling %	Sales*	Recycled	Refillable	Postfilled
Jan - June 2019	7	6	19,783,887	1,243,665	0	199,774
July - Dec 2018	7	6	22,714,865	1,448,291	0	200,744
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

Bimetal Containers	Redemption %	Recycling %	Sales*	Recycled	Refillable	Postfilled
Jan - June 2019	15	15	17,194,331	2,588,717	0	177,371
July - Dec 2018	13	13	20,144,530	2,608,398	0	177,196
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
All Materials Containers	Redemption %	Recycling %	Sales*	Recycled	Refillable	Postfilled
Jan - June 2019	84	81	10,977,242,413	8,874,790,813	714	759,883,473
July - Dec 2018	74	72	13,520,611,049	9,686,986,754	769	754,463,283
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

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

Recycling Rate = (A+B)/D x 100

Container per Pound Rates (CRV / Postfilled)	Aluminum	Glass	#1 PET	#2 HDPE	#3 PVC
Jan - June 2019 (RCs Only)	28.9 / 35.3	1.95 / 0.92	23.1 / 7.1	7.0 / 5.0	5.1 / NA
Container per Pound Rates (CRV / Postfilled)	#4 LDPE	#5 PP	#6 PS	#7 Other	Bimetal
Jan - June 2019 (RCs Only)	40.6 / NA	10.3 / NA	112.2 / NA	3.2 / NA	8.1/ 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.
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