



November 6, 2020

## 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 2020.

The beverage container recycling rate for all materials during the January through June 2020 period is 71 percent. Material specific recycling rates are as follows: Aluminum, 77 percent; glass, 66 percent; #1 PET, 69 percent; #2 HDPE, 59 percent; #3 PVC, 1 percent; #4 LDPE, 3 percent; #5 PP, 13 percent; #6 PS, 18 percent; #7 Other, 10 percent; and Bimetal, 12 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.

The Beverage Container Recycling Program Monthly Report that we recently released, starting in September 2020, are adjusted monthly volumes based on incoming claims.

To All Interested Parties  
November 6, 2020

Page 2

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

Ben Kinne  
Assistant Director  
for Recycling

Enclosure

**January - June 2020 Biannual Rates History**

Page 1 of 4

| <b>Aluminum Containers</b> | <b>Redemption %</b> | <b>Recycling %</b> | <b>Sales*</b> | <b>Recycled</b> | <b>Refillable</b> | <b>Postfilled</b> |
|----------------------------|---------------------|--------------------|---------------|-----------------|-------------------|-------------------|
| Jan - June 2020            | 77                  | 77                 | 4,296,891,754 | 3,304,687,585   | 0                 | 73,304,608        |
| July - Dec 2019            | 77                  | 77                 | 4,784,701,600 | 3,696,943,197   | 0                 | 93,143,463        |
| 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        |
| <b>Glass Containers</b>    | <b>Redemption %</b> | <b>Recycling %</b> | <b>Sales*</b> | <b>Recycled</b> | <b>Refillable</b> | <b>Postfilled</b> |
| Jan - June 2020            | 80                  | 66                 | 1,363,172,585 | 894,994,026     | 227               | 235,976,462       |
| July - Dec 2019            | 75                  | 63                 | 1,659,215,014 | 1,046,733,797   | 185               | 242,001,078       |
| 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       |
| <b>#1 PET Containers</b>   | <b>Redemption %</b> | <b>Recycling %</b> | <b>Sales*</b> | <b>Recycled</b> | <b>Refillable</b> | <b>Postfilled</b> |
| Jan - June 2020            | 69                  | 69                 | 5,829,181,708 | 4,000,156,720   | 0                 | 158,022,800       |
| July - Dec 2019            | 69                  | 69                 | 6,927,290,096 | 4,767,846,360   | 0                 | 151,412,086       |
| 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       |
| <b>#2 HDPE Containers</b>  | <b>Redemption %</b> | <b>Recycling %</b> | <b>Sales*</b> | <b>Recycled</b> | <b>Refillable</b> | <b>Postfilled</b> |
| Jan - June 2020            | 300                 | 59                 | 87,567,468    | 51,451,171      | 0                 | 213,688,296       |
| July - Dec 2019            | 304                 | 62                 | 93,822,834    | 58,637,263      | 0                 | 229,790,472       |
| 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       |

## January - June 2020 Biannual Rates History

Page 2 of 4

| <b>#3 PVC Containers</b>   | <b>Redemption %</b> | <b>Recycling %</b> | <b>Sales*</b> | <b>Recycled</b> | <b>Refillable</b> | <b>Postfilled</b> |
|----------------------------|---------------------|--------------------|---------------|-----------------|-------------------|-------------------|
| Jan - June 2020            | 1                   | 1                  | 96,331        | 934             | 0                 | 29                |
| July - Dec 2019            | 1                   | 1                  | 109,074       | 892             | 0                 | 28                |
| 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                |
| <b>#4 LDPE Containers</b>  | <b>Redemption %</b> | <b>Recycling %</b> | <b>Sales*</b> | <b>Recycled</b> | <b>Refillable</b> | <b>Postfilled</b> |
| Jan - June 2020            | 3                   | 3                  | 4,129,861     | 123,383         | 0                 | 15,610            |
| July - Dec 2019            | 5                   | 5                  | 3,541,935     | 162,761         | 0                 | 18,654            |
| 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           |
| <b>#5 PP Containers</b>    | <b>Redemption %</b> | <b>Recycling %</b> | <b>Sales*</b> | <b>Recycled</b> | <b>Refillable</b> | <b>Postfilled</b> |
| Jan - June 2020            | 15                  | 13                 | 2,406,645     | 317,787         | 0                 | 68,105            |
| July - Dec 2019            | 26                  | 24                 | 1,519,049     | 360,042         | 0                 | 54,935            |
| 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            |
| <b>#6 PS Containers</b>    | <b>Redemption %</b> | <b>Recycling %</b> | <b>Sales*</b> | <b>Recycled</b> | <b>Refillable</b> | <b>Postfilled</b> |
| Jan - June 2020            | 18                  | 18                 | 84,923,427    | 15,643,395      | 0                 | 545,428           |
| July - Dec 2019            | 22                  | 21                 | 85,354,691    | 17,912,213      | 0                 | 1,546,324         |
| 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           |
| <b>#7 Other Containers</b> | <b>Redemption %</b> | <b>Recycling %</b> | <b>Sales*</b> | <b>Recycled</b> | <b>Refillable</b> | <b>Postfilled</b> |
| Jan - June 2020            | 11                  | 10                 | 11,809,551    | 1,195,595       | 0                 | 156,608           |
| July - Dec 2019            | 12                  | 11                 | 12,757,169    | 1,385,485       | 0                 | 199,115           |
| 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           |

## January - June 2020 Biannual Rates History

Page 3 of 4

| <b>Bimetal Containers</b>       | <b>Redemption %</b> | <b>Recycling %</b> | <b>Sales*</b>  | <b>Recycled</b> | <b>Refillable</b> | <b>Postfilled</b> |
|---------------------------------|---------------------|--------------------|----------------|-----------------|-------------------|-------------------|
| Jan - June 2020                 | 19                  | 12                 | 17,938,364     | 2,120,101       | 0                 | 1,479,144         |
| July - Dec 2019                 | 12                  | 12                 | 22,266,266     | 2,583,716       | 0                 | 192,991           |
| 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           |
| <b>All Materials Containers</b> | <b>Redemption %</b> | <b>Recycling %</b> | <b>Sales*</b>  | <b>Recycled</b> | <b>Refillable</b> | <b>Postfilled</b> |
| Jan - June 2020                 | 73                  | 71                 | 11,698,117,694 | 8,270,690,697   | 227               | 683,257,090       |
| July - Dec 2019                 | 72                  | 71                 | 13,590,577,728 | 9,592,565,726   | 185               | 718,359,146       |
| 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       |

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

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

| <b>Container per Pound Rates (CRV / Postfilled)</b> | <b>Aluminum</b> | <b>Glass</b> | <b>#1 PET</b> | <b>#2 HDPE</b>  | <b>#3 PVC</b>  |
|---|-----------------|--------------|---------------|-----------------|----------------|
| <b>Jan - June 2020 (RCs Only)</b>                   | 29.5 / 38.4     | 1.92 / 0.89  | 23.0 / 6.9    | 6.9 / 5.0       | 9.7 / NA       |
| <b>Container per Pound Rates (CRV / Postfilled)</b> | <b>#4 LDPE</b>  | <b>#5 PP</b> | <b>#6 PS</b>  | <b>#7 Other</b> | <b>Bimetal</b> |
| <b>Jan - June 2020 (RCs Only)</b>                   | 40.8 / NA       | 11.0 / NA    | 109.7 / NA    | 3.1 / NA        | 8.1 / NA       |

## January - June 2020 Biannual Rates History

Page 4 of 4

### 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