

## Estimate of 2018 Paint Collection Volumes by Wasteshed

May 2019

In 2009, Oregon became the first state to enact a law requiring paint manufacturers to operate a paint product stewardship program to reduce waste, increase reuse and recycling, and safely dispose of architectural paint remaining after purchase and use. The program is paid for by Oregonians who buy paint. The stewardship organization, PaintCare, manages the program for paint manufacturers, and DEQ oversees it.

The paint stewardship pilot program began collections in 2010. Oregon's 2013 Legislature made the paint stewardship program permanent. The 2013 law also bolstered customer convenience, the stewardship organization's accountability for meeting program goals, and DEQ's ability to oversee program operations and compliance.

The 2013 legislation, ORS 459A.820-.855, requires DEQ to estimate annually the quantities of paint collected under this program. Specifically ORS 459A.845 requires DEQ to publish an estimate of the following for the previous calendar year:

- (1) The total volume, in gallons, of post-consumer architectural paint collected in each wasteshed<sup>1</sup> or metropolitan service district as part of an architectural paint stewardship program
- (2) For each wasteshed or metropolitan service district, the percentage of that total volume of paint collected under the program at each of the following:
  - (a) Permanent collection sites located at a retailer
  - (b) Permanent collection sites and collection events for the program located within the local solid waste collection infrastructure, including collection events funded by DEQ
  - (c) Collection events promoted and paid for by a stewardship organization.

This report also includes estimates for PaintCare's large volume collections from commercial and institutional painters.

The estimates in this report represent most, but not all, of the post-consumer architectural paint collected in Oregon in 2018. The report includes estimates of the volume of paint collected as part of the state's architectural paint stewardship program. It does not include paint volumes collected outside of the architectural paint stewardship program, such as paint collected by local governments or hazardous waste contractors that is not managed by the paint stewardship program.

### 2018 Paint Collection Volumes by Wasteshed

Table 1 shows the estimates for the total volume, in gallons, of post-consumer architectural paint collected in each wasteshed as part of Oregon's paint stewardship program in 2018. Table 1 also shows, for each wasteshed, the percentage of paint collected under four separate modes of collection: (1) permanent collection sites located at a retailer, (2) permanent collection sites and collection events located within the solid waste collection infrastructure, including household hazardous waste collection events, (3) collection events promoted and paid for by PaintCare, and (4) the collection of paint under PaintCare's large volume direct pickup services.

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<sup>1</sup>A wasteshed is defined in Oregon law as being an area of the state that shares a common solid waste disposal system. For most of Oregon, a wasteshed is an individual county except the Milton-Freewater and Metro wastesheds.



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**Table 1: Total Gallons and Percent Estimates of 2018 Paint Collection Volumes**

| <b>Washed</b>    | <b>Total (gallons)</b> | <b>% Retail</b> | <b>% Solid Waste Infrastructure</b> | <b>% PaintCare Collection Events</b> | <b>% Large Volume User/Pick-up</b> |
|------------------|------------------------|-----------------|-------------------------------------|--------------------------------------|------------------------------------|
| Baker            | 1,800                  | 89.8            | -                                   | 10.2                                 | -                                  |
| Benton           | 14,650                 | 59.6            | 36.0                                | -                                    | 4.5                                |
| Clatsop          | 7,469                  | 95.3            | -                                   | 4.7                                  | -                                  |
| Columbia         | 10,832                 | 11.4            | 88.6                                | -                                    | -                                  |
| Coos             | 6,505                  | 45.7            | 51.0                                | 3.2                                  | -                                  |
| Crook            | 3,964                  | 31.9            | 68.1                                | -                                    | -                                  |
| Curry            | 2,510                  | 84.0            | 16.0                                | -                                    | -                                  |
| Deschutes        | 65,024                 | 61.4            | 37.3                                | -                                    | 1.4                                |
| Douglas          | 9,010                  | 96.6            | -                                   | -                                    | 3.4                                |
| Gilliam          | -                      | -               | -                                   | -                                    | -                                  |
| Grant            | 553                    | 90.1            | 9.9                                 | -                                    | -                                  |
| Harney           | 405                    | 100.0           | -                                   | -                                    | -                                  |
| Hood River       | 4,464                  | 18.3            | 81.7                                | -                                    | -                                  |
| Jackson          | 31,094                 | 91.9            | -                                   | 5.3                                  | 2.9                                |
| Jefferson        | 1,050                  | 100.0           | -                                   | -                                    | -                                  |
| Josephine        | 9,825                  | 89.1            | -                                   | 5.9                                  | 5.0                                |
| Klamath          | 5,940                  | 94.4            | -                                   | -                                    | 5.6                                |
| Lake             | 951                    | -               | -                                   | 100.0                                | -                                  |
| Lane             | 62,778                 | 58.9            | 39.4                                | -                                    | 1.7                                |
| Lincoln          | 7,992                  | 21.1            | 78.9                                | -                                    | -                                  |
| Linn             | 20,663                 | 73.2            | 15.3                                | -                                    | 11.5                               |
| Malheur          | 2,446                  | 100.0           | -                                   | -                                    | -                                  |
| Marion           | 67,889                 | 14.6            | 80.7                                | -                                    | 4.7                                |
| Metro            | 417,364                | 45.8            | 51.6                                | -                                    | 2.5                                |
| Milton-Freewater | 611                    | -               | -                                   | 100.0                                | -                                  |
| Morrow           | 315                    | -               | 100.0                               | -                                    | -                                  |
| Polk             | 1,306                  | -               | 100.0                               | -                                    | -                                  |
| Sherman          | 312                    | -               | 100.0                               | -                                    | -                                  |
| Tillamook        | 6,472                  | 12.9            | 87.1                                | -                                    | -                                  |
| Umatilla         | 5,316                  | 65.7            | 34.3                                | -                                    | -                                  |
| Union            | 3,123                  | 94.8            | 5.2                                 | -                                    | -                                  |
| Wallowa          | 329                    | 100.0           | -                                   | -                                    | -                                  |
| Wasco            | 6,750                  | 46.5            | 49.0                                | -                                    | 4.5                                |
| Wheeler          | 147                    | -               | 100.0                               | -                                    | -                                  |
| Yamhill          | 15,927                 | 85.2            | 14.4                                | -                                    | 0.4                                |
| <b>Total</b>     | <b>795,786</b>         | <b>50.4</b>     | <b>46.4</b>                         | <b>0.6</b>                           | <b>2.7</b>                         |

Significant Findings:

- 1) The total estimated volume of post-consumer architectural paint collected in the program decreased by 1.8 percent from 2018.
- 2) Paint collection at retail locations increased by 1.5 percent compared to 2017, while collection from solid waste infrastructure decreased by 2.1 percent.

### **Estimating Paint Collection Volumes and Percentages**

In composing this report, DEQ used the estimates provided by PaintCare in the *Oregon Paint Stewardship Program 2018 Annual Report* (submitted April 1, 2019), as required under ORS 459A.842.

In the 2018 Annual Report, PaintCare describes the methods used for estimating paint volume collection by either program collectors or transporters in Section 2(A). As the volumes are approximate, they are subject to errors when utilizing correction factors to convert the weight of the collection bins to volumes in gallons. Section 2(A) of the report also mentions the collection values for 2016 and 2017 were adjusted from prior year reports using the collection estimate method described in the 2018 Annual Report to aid in comparison between years. DEQ used the adjusted values to determine the percent change in total gallons collected from 2017 to 2018.

The 2018 Annual Report also includes a more detailed accounting of collection quantities by retail and reuse drop-off sites, household hazardous waste facilities (HHW), transfer stations, collection events, and other activities for each watershed. The percent collected by retail in a watershed was determined by dividing the total gallons collected by retail and reuse stores in a watershed by the total gallons collected in the respective watershed. Similarly, the percent collected by solid waste infrastructure combined the total gallons for HHW events, HHW facilities, and transfer stations in a watershed divided by the total gallons collected in the respective watershed. The percentages for PaintCare events and large volume pick-ups in a watershed were determined by dividing each category respectively by the total gallons collected in the respective watershed.

### **Alternative formats**

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