

## Estimate of 2020 Paint Collection Volumes by Wasteshed

May 2021

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 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 2020. 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.

### 2020 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 2020. 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, Gallons per Capita, and Percent Estimates of 2020 Paint Collection Volumes**

<b>Wasteshed</b>	<b>Total (gallons)</b>	<b>Gallons per Capita*</b>	<b>% Retail</b>	<b>% Solid Waste Infrastructure</b>	<b>% PaintCare Collection Events</b>	<b>% Large Volume User/Pick-up</b>
Baker	1,321	0.08	100.0	-	-	-
Benton	9,901	0.10	62.7	37.3	-	-
Clatsop	5,966	0.15	100.0	-	-	-
Columbia	9,092	0.17	15.8	84.2	-	-
Coos	4,008	0.06	33.5	66.5	-	-
Crook	4,550	0.19	18.6	81.4	-	-
Curry	3,024	0.13	82.7	17.3	-	-
Deschutes	63,344	0.32	50.2	48.2	-	1.6
Douglas	7,691	0.07	92.6	-	-	7.4
Gilliam	-	-	-	-	-	-
Grant	570	0.08	100.0	-	-	-
Harney	510	0.07	79.2	20.8	-	-
Hood River	3,135	0.12	20.6	79.4	-	-
Jackson	28,555	0.13	89.6	-	4.5	5.9
Jefferson	1,075	0.04	100.0	-	-	-
Josephine	8,708	0.10	90.6	-	9.4	-
Klamath	3,722	0.05	100.0	-	-	-
Lake	958	0.12	-	100.0	-	-
Lane	58,092	0.15	51.8	43.2	0.6	4.4
Lincoln	8,327	0.17	10.8	89.2	-	-
Linn	16,105	0.13	58.1	17.6	-	24.3
Malheur	2,117	0.07	100.0	-	-	-
Marion	53,282	0.15	40.3	59.5	-	0.2
Metro	381,297	0.20	39.0	56.2	-	4.8
Milton-Freewater	390	0.05	-	-	100.0	-
Morrow	197	0.02	-	100.0	-	-
Polk	-	-	-	-	-	-
Sherman	113	0.06	-	100.0	-	-
Tillamook	5,371	0.20	9.1	90.9	-	-
Umatilla	3,245	0.04	94.3	2.9	-	2.8
Union	2,240	0.08	100.0	-	-	-
Wallowa	616	0.09	100.0	-	-	-
Wasco	3,827	0.14	38.4	61.6	-	-
Wheeler	375	0.26	-	100.0	-	-
Yamhill	14,548	0.13	75.6	16.7	4.4	3.4
<b>Total</b>	<b>706,270</b>	<b>0.17</b>	<b>46.7</b>	<b>48.7</b>	<b>0.4</b>	<b>4.2</b>

\*2020 Oregon Certified Population Estimates reported by Portland State University Population Research Center

#### Significant Findings:

- 1) **The total estimated volume of post-consumer architectural paint collected in the program declined for the third year in a row.** It decreased by 8 percent from 2019. Even though the total volume decreased, thirteen of the thirty-five wastesheds in Oregon did have increased collection volumes. The overall decline is strongly influenced by the 10% decrease in the Metro region. The Metro region accounts for 54% of the total volume of paint collected in 2020 in Oregon. When excluding the Metro region from the analysis, the estimated volume collected decreased by 5 percent from 2019.
- 2) **Statewide, gallons collected per capita for 2020 had a slight decrease compared to 2019.** Only five wastesheds (Crook, Deschutes, Metro, Tillamook, and Wheeler) had per capita collections higher than the statewide average of 0.17 gallons per capita for 2020. The highest per capita collections occurred in Deschutes County at 0.32. The Metro region per capita collections was 0.20; this indicates that while overall volume collections in the Metro region are declining, per capita collections in the Metro region are higher than most of the rest of the state.
- 3) **Retail and solid waste infrastructure account for the majority of paint collections; they were 46.7% and 48.7%, respectively.** This represents a slight change from 2019, in which retail accounted for 51.6% of total collections.

To provide service to areas of the state that are over 15 miles from the nearest collection site, PaintCare annually contacts local representatives in every county to inquire if a PaintCare collection event should be held. Four areas around the state had PaintCare events in 2020. An additional nineteen locations around the state had events conducted by local representatives, five of which appeared to service areas that were predominately over 15 miles from a collection site. The figure on page 10 in the *Oregon Paint Stewardship Program 2020 Annual Report* displays all areas of the state covered by collection sites and events. Based on PaintCare's analysis for 2020, 98.1% of the population in Oregon resides within 15 miles of an area serviced by a collection site or event. Only one county, Gilliam, did not have a collection site or event; further analysis of past reports indicates Gilliam has not reported any collection volumes since 2015. The 2015 collection volume in Gilliam County was 8 gallons.

The impacts of COVID-19 on collections are not possible to estimate; however, given that at its peak 53% of sites were closed and several PaintCare and HHW collection events were not held, it is reasonable to assume that overall collections would have been higher if COVID-19 had not occurred. In total, 71 of 177 sites were closed. Within the network, 57% of retail sites and 92% of ReStores were closed, while all solid waste facilities (with agreements to operate as collection sites for PaintCare) remained open. Based on composition of the network in regions of the state, some regions were more impacted by closures than other regions. Several larger chain retail stores, following corporate decisions, closed while many independent retail stores remained open. As a result, parts of Southern Oregon, which has a network comprised of more large chain retail stores, saw a greater percentage of closures than areas like Eastern Oregon, which is comprised of more independent retail stores.

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

In composing this report, DEQ used the estimates provided by PaintCare in the *Oregon Paint Stewardship Program 2020 Annual Report* (submitted April 1, 2021), as required under ORS 459A.842. PaintCare describes the methods used for estimating paint volume collection in their 2020 Annual Report.

The 2020 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 wasteshed. To obtain the estimates in this report, the percent collected by retail in a wasteshed was determined by dividing the total gallons

collected at 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**

DEQ can provide documents in an alternate format or in a language other than English upon request. Call DEQ at 800-452-4011 or email [deqinfo@deq.state.or.us](mailto:deqinfo@deq.state.or.us).