



Oregon

Kate Brown, Governor

Department of Environmental Quality
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June 1, 2021

Mr. Brian May
Marion County Environmental Services
5155 Silverton Road NE
Salem, OR 97305

Dear Mr. May:

On the back of this letter is the 2019 DEQ Material Recovery and Waste Generation Summary for your watershed. This report is derived from the 2019 Material Recovery Survey, which is required under Oregon Revised Statute 459A.010. This statute also incorporates your watershed's recovery rate goals set for 2025. Your watershed should be proud of the efforts your recovery rate represents.

The Material Recovery and Waste Generation Summary includes your watershed's 2019 recovery rate, the amounts of materials disposed and recovered, per capita disposal, recovery and generation rates, and a chart comparing this year's results with previous survey years. The full 2019 Oregon Material Recovery and Waste Generation Rates Report will be available on the DEQ Web site at www.oregon.gov/deq/recycling/Pages/Survey.aspx by June 7, 2021.

DEQ Materials Management staff will be happy to work with your watershed to assist in improving data collection and waste reduction efforts. For assistance with your waste recovery and prevention efforts, please call Cathie Rhoades at 503-378-5089. If you would like more information about data collection or the material recovery survey, please call Michelle Shepperd at 503-229-6724, or toll free in Oregon at 1-800-452-4011 x6724.

Sincerely,

Brian Fuller (Jun 2, 2021 08:49 PDT)

Brian Fuller, Manager
Materials Management
Western Region

Attachment: 2019 Recycling Collector Data Summary – Marion

CC: City Managers of Keizer, Salem, Silverton, Stayton, Woodburn
Garbage Collection Companies, Marion



2019 DEQ Material Recovery and Waste Generation Summary MARION COUNTY

CALCULATED RECOVERY RATE: 47.8%

GOAL (2025): 64%

In 2019, Marion disposed of 266,209 tons of waste and recovered 243,658 tons of waste.

| Year | 1996 | 2006 | 2009 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|
| Calculated | 28.1% | 51.9% | 52.2% | 53.8% | 52.2% | 49.4% | 48.5% | 48.5% | 47.8% |
| Credits* | - | 6.0% | 6.0% | 6.0% | 6.0% | - | - | - | - |
| Total | 28.1% | 57.9% | 58.2% | 59.8% | 58.2% | 49.4% | 48.5% | 48.5% | 47.8% |

*Credits were only available between the years of 1997 and 2015

Per capita waste disposal for wasteshed (pounds per person):

The average per-capita waste disposed in Oregon during 2019 was 1,569 pounds. Marion’s per-capita waste disposal was 1,532 pounds. As shown in the following table, per-capita waste disposal in Marion has *increased* 22% since 2014 (five year change) and *increased* 22% since 2009 (ten year change).

Per capita waste recovery for wasteshed (pounds per person):

The average per-capita waste recovered in Oregon during 2019 was 1,135 pounds. Marion’s per-capita waste recovery was 1,402 pounds. As shown in the following table, per-capita waste recovery in Marion has *decreased* 4% since 2014 (five year change) and *increased* 2% since 2009 (ten year change).

Per capita waste generation for wasteshed (pounds per person):

Waste generation is the sum of disposal and recovery. It is a rough measure of the total discards in a wasteshed. In 2001, the Oregon Legislature established waste generation goals for the State; revised by the Legislature in 2015. The waste generation goals require that the generation of solid waste in the years 2025 to 2049 shall be 15 percent below the amount of solid waste generated in 2012, and for 2050 and beyond, the generation goal is 40 percent less than the waste generated in 2012.

The average per-capita waste generation in Oregon during 2019 was 2,703 pounds. Marion’s per-capita waste generation was 2,934 pounds. As shown in the following table, per-capita waste generation in Marion has *increased* 8% since 2014 (five year change) and *increased* 11% since 2009 (ten year change).

| Year | 1996 | 2006 | 2009 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 |
|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|
| PER-CAPITA DISPOSED* | 1,648 | 1,600 | 1,261 | 1,258 | 1,336 | 1,457 | 1,556 | 1,541 | 1,532 |
| PER-CAPITA RECOVERED* | 645 | 1,724 | 1,376 | 1,463 | 1,460 | 1,421 | 1,463 | 1,527 | 1,402 |
| PER-CAPITA GENERATED* | 2,293 | 3,324 | 2,637 | 2,721 | 2,796 | 2,878 | 3,020 | 3,068 | 2,934 |

*Pounds per person per year.

Regional Technical Assistant Contact:

Contact Cathie Rhoades at 503-378-5089 for assistance in identifying ways to help reduce waste generation and disposal through waste prevention, reuse, recycling, and composting.

Survey Coordinator:

Contact Michelle Shepperd by email, michelle.shepperd@deq.state.or.us, or in Portland at 503-229-6724, or toll free in Oregon at 1-800-452-4011 x6724, for more information on the survey.

NOTE: DEQ routinely updates recovery rates for prior years as we receive new information. These are the current corrected figures for all years.

| FINAL Recovered Materials, Last Three Years | | | | |
|--|--------------------|--------------------|--------------------|-----------------|
| Wasteshed: | Marion | | | |
| Material | Tons2017 | Tons2018 | Tons2019 | Comments |
| Aluminum | 3,479.312 | 3,283.831 | 3,829.139 | |
| Animal Waste/grease | 739.228 | 1,267.128 | 1,131.516 | |
| Antifreeze | 202.413 | 200.542 | 200.381 | |
| Cardboard/Kraft | 33,181.113 | 33,281.692 | 33,065.437 | |
| Composite Plastic | 37.700 | 9.000 | - | |
| Electronics | 2,231.406 | 2,110.949 | 2,146.667 | |
| Fluorescent Lamps | 36.848 | 19.436 | 27.468 | |
| Food Waste | 3,844.051 | 1,811.593 | 2,918.783 | |
| Glass Containers | 10,418.088 | 10,188.878 | 7,830.068 | |
| Gypsum Wallboard | 20.800 | 292.670 | 55.960 | |
| Lead Acid Batteries | 668.578 | 568.546 | 441.289 | |
| Mercury | - | 0.010 | 1.634 | |
| Mixed Batteries | 57.405 | 73.091 | 150.881 | |
| Paint | 317.115 | 343.839 | 227.439 | |
| Paper Fiber | 16,794.676 | 14,932.703 | 13,689.312 | |
| Plastic Film | 1,708.387 | 1,235.387 | 1,348.651 | |
| Plastic Other | 855.262 | 798.046 | 593.666 | |
| Rigid Plastic Cont. | 2,915.973 | 3,114.191 | 3,018.862 | |
| Roofing - Asphalt | 32.500 | 31.500 | 11.550 | |
| Scrap Metal - Other | 61,979.231 | 69,657.628 | 63,513.326 | |
| Solvents | 2.760 | 2.450 | 4.240 | |
| Textiles | 42.624 | 89.600 | 14.649 | |
| Tinned Cans | 660.002 | 547.411 | 508.164 | |
| Tires | 3,342.589 | 1,908.567 | 3,584.795 | |
| Used Motor Oil | 2,548.145 | 2,893.261 | 2,959.802 | |
| Wood Waste | 55,161.845 | 61,205.119 | 54,634.595 | |
| Yard Debris | 46,759.972 | 52,682.368 | 47,750.116 | |
| Total Recovery | 248,038.023 | 262,549.436 | 243,658.390 | |
| 2019 Disposal | | | 289,291.256 | |
| Less HB3744 | | | 15,169.060 | |
| Less SCM recovery | | | 7,913.070 | |
| Adjusted 2019 disposal | | | 266,209.126 | |
| 2019 Calculated Rate | | | 45.7% | |