

## Oregon E-Cycles Collections Determination for 2018

This report describes DEQ's determination of the total weight of covered electronic devices to be collected under the Oregon E-Cycles program in 2018, the tenth year of program operations. DEQ will use this total weight to determine the minimum recycling obligation (return share by weight) for each participating electronics manufacturer for 2018.

### Collections for prior years

Table 1 provides the collections determination, total weight, and per capita collections for each year since Oregon E-Cycles operations began in 2009. Beginning in 2012, collections are shown with and without credits.<sup>1</sup>



State of Oregon  
Department of  
Environmental  
Quality

**Oregon E-Cycles Program**  
700 NE Multnomah St.,  
Ste 600  
Portland, OR 97232  
Phone: 503-229-5830  
1-800-452-4011  
Fax: 503-229-6954  
Contact: Michelle  
Shepperd  
[www.oregon.gov/DEQ](http://www.oregon.gov/DEQ)

Table 1: Oregon collections for 2009-2017

Year	Collections Determination		Actual Collections (without credits)		Total Collections (with credits)		Per Capita Change over Actual Collections Prior Year
	Total Pounds	Pounds per Capita	Total Pounds	Pounds per Capita	Total Pounds	Pounds per Capita	
2009	12,210,000	3.3	18,971,795	5.0	NA	NA	NA
2010	21,460,000	5.8	24,150,893	6.3	NA	NA	26.00%
2011	22,962,200	6.0	25,885,949	6.7	NA	NA	6.35%
2012	27,051,000	6.97	26,670,440	6.87	27,051,000	6.97	2.50%
2013	28,641,550	7.29	27,731,429	7.06	28,641,550	7.29	2.75%
2014	29,261,460	7.37	27,429,939	6.91	29,197,113	7.36	-2.04%
2015*	30,483,254	7.57	29,420,147	7.31	30,050,555	7.47	5.76%
2016	30,126,571	7.36	26,225,761	6.41	NA	NA	-12.36%
2017	28,000,000	6.77	5,707,877 (first quarter)				

\*First year for collections of printers and computer peripherals (keyboards and mice).

### 2018 Collections Determination

For the 2018 collections determination, DEQ asked stakeholders to comment on an initial proposal to use the total weight of devices collected in 2016 – 26,225,761 pounds – as its 2018 collections determination. This represented a decrease in per capita collections from 6.41 pounds per capita in 2016 to 6.25 pounds per capita in 2018. DEQ made this proposal with the expectation that the Oregon E-Cycles recycling programs will continue efforts to increase public awareness of collection opportunities.

<sup>1</sup> Beginning in 2012, ORS 459A.322 allows Oregon E-Cycles recycling programs to use credits earned in previous years to satisfy up to 15 percent of their return shares by weight obligation for any calendar year.



**oregon  
E-CYCLES**  
[oregoncycles.org](http://oregoncycles.org)

Five stakeholders submitted comments on DEQ's proposal. One commenter supported DEQ's proposed collections determination, acknowledging that total weight of collections is starting to decrease in several states with established collection programs. The remaining commenters supported a lower determination. Reasons offered for a lower determination included a decline in the availability of covered electronic devices for collections over time and both changes in the makeup of devices and lighter weights of devices returned for recycling. One commenter acknowledged that first quarter 2017 collections may have been impacted by particularly poor weather.

Three commenters used the same method to propose a collections determination of approximately 20,550,000 pounds, with two of these commenters supporting rounding up to 21,000,000 pounds. These commenters assumed the weight of devices collected in the first quarter of 2017 represented a quarter of the total weight for the year, then reduced that total weight by 10 percent for their 2018 recommendation.

In making the 2018 Collection Determination, DEQ considered these comments from stakeholders, analyses of previous years' collection data and Oregon's growing population. DEQ also anticipates collections in 2018 will benefit from efforts during 2017 and 2018 to improve program awareness and ensure convenient service for the public.

DEQ is using a projected decline in pounds per capita of covered electronic devices collected through Oregon E-Cycles programs for its 2018 Collection Determination. For purposes of this collections determination, DEQ is projecting that pounds per capita collections will (1) decrease by 10 percent from 6.41 pounds per capita in 2016 to 5.77 pounds per capita in 2017, and (2) decrease again in 2018 by 10 percent from 2017 to 5.19 pounds per capita. Multiplying 5.19 pounds per capita by Oregon's projected population for 2018, 4,195,200<sup>2</sup>, results in total collections in 2018 of 21,770,815 pounds.

This collections determination states that in 2018, Oregon E-Cycles recycling programs will collect 5.19 pounds per capita for total collection of 21,770,815 pounds of covered electronic devices.

During 2017, DEQ plans to review methods for determining the collections for 2019 and beyond with interested persons, and more broadly, to work with them in evaluating and updating Oregon E-Cycles as the world of electronics changes.

### **Alternative Formats**

Alternative formats (Braille, large type) of this document can be made available. Call DEQ, Portland, at 503-229-5696, or call toll-free in Oregon at 1-800-452-4011, ext. 5696. Persons with hearing impairments may call 711.

---

<sup>2</sup> Oregon's projected population for 2018 based on short-term population forecast from the Oregon Office of Economic Analysis.

