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# eSCRAP *insider*

ERCC'S QUARTERLY NEWSLETTER FOCUSING ON DEVELOPMENTS UNDER THE STATE E-SCRAP LAWS

## Which Products Are Being Returned?

### *The General E-cycling Trends Amongst Product Types*

For the inaugural edition of the E-Scrap Insider we will take a look at data on which products are coming back by type to see if there are general trends or outliers. The data on collection by product type is limited since in several states reports only require a total pound value to be reported. But, data by product type is useful to see if any products are coming back in higher quantities or if we are starting to see the high volumes of CRTs decline. In Maine, 82% of the the 7.4 million pounds recycled came from televisions. This was followed by 14% monitors, 5% printers and a nominal percentage of game consoles.

Keep in mind that Maine does not cover desktop computers, and includes the totals for laptops under monitors. Not surprisingly, Maine's results are heavily weighted towards TVs when other products are excluded from the calculation. The next two states are more similar in covered products and entities than Maine.

Oregon combines desktop and laptop lbs under the "computer" category. The same is true for Washington, which has a similar but not identical set of covered entities as Oregon.

TVs were roughly equal for Oregon and Washington in 2012 at 75% of the total weight. Computers comprised 7-8% of the returns in both states and monitors comprised 17-18%.

Vermont and Wisconsin don't require a full year report of lbs by product type, but do sampling or other periodic testing to determine the breakdown.

In Wisconsin, one fourth of the collectors reported the breakdown of what they received to DNR. Televisions represented 64% of the returns, while monitors and computers were 10% and 7% respectively.

Vermont conducts two random waste sorts to identify the amount of each type collected. The results are not intended to be statistically valid, but the information helps track trends.

Finally, in Illinois, we still see TVs as the dominant weight, but because of the large number of categories reported, it is the lowest overall percentage amongst all of the states (54%).

In summary, TVs are not unexpectedly the dominant weight in all states, and can vary from 54-82%. But, the differences in the denominator (that is, the number of product types tracked and reported) makes any comparison across states impossible. In the next issue, we will look at the few examples of year-to-year changes of product types returned within these states.

*(cont. on page 2)*

Connecticut 2012	% total wt collected
% TVs	78%
% Computers	4.64%
% Monitors	13.54%
% Printers	4.32%

Vermont Product Category	% by Product Sorts 2013
Peripherals	2.07%
Desktop/Laptop Computers	6.85%
Printers	8.69%
Computer Monitors	16.58%
Televisions	65.81%

Illinois Product Category	Collected 2012	%
Cable Receivers	103,833.99	0.30%
Computers	4,201,669.16	10.60%
Digital Converter Boxes	22,908.01	0.10%
Digital Video Disc Players	279,287.39	0.70%
Digital Video Disc Recorders	50,662.98	0.10%
EEDs	1,578,584.88	4.00%
Electronic Keyboards	412,284.67	1.00%
Electronic Mice	192,656.71	0.50%
Facsimile Machines	227,146.93	0.60%
Monitors	5,776,271.60	14.60%
Portable Digital Music Player	183,672.01	0.50%
Printers	3,450,419.28	8.70%
Satellite Receivers	256,970.99	0.70%
Scanners	365,243.54	0.90%
Small Scale Servers	10,216.98	0.00%
Televisions	21,556,828.88	54.60%
Video Game Consoles	472,686.54	1.20%
Videocassette Recorders	355,633.60	0.90%

Washington 2012	TOTALS	% by type
COMPUTERS (LBS)	3472089	8%
MONITORS (LBS)	7890759	18%
TVs (LBS)	32110890	74%
Total LBS of all Devices	43478738	

Wisconsin 2012-13	% by type
COMPUTERS (LBS)	7%
MONITORS	10%
TVs	64%
Other EEDs (i.e. printers, other peripherals)	20%

### Summary Chart

States	TVs as % of Total Covered	# Product Types Covered
CT	78%	5
IL	55%	17
ME	82%	5
OR	76%	4
VT	66%	6
WA	74%	4
WI	65%	6

### Per Capita Rates

To put these overall percentages in context, here is the breakdown of each of these states' respective per capita collection rates. Due to covered product differences, per capita rates cannot be directly compared.

State	Lbs Per Capita 2012/13
CT	2.8
IL	3
ME	5.6
OR	6.8
VT	7.7
WA	6.3
WI	6.8

\*In Illinois EEDs are: cell phones, computer cables, zip drives, and personal digital assistants (PDA'S).

Maine 2012 LBS	LBS	% of total
MONITORS (includes laptops)	1,032,371	14%
TVS	6,069,017	82%
PRINTERS	336,892	5%
GAME CONSOLES	581	0%

Oregon 2012	TOTALS	% by type
COMPUTERS (LBS)	1,898,857	7%
MONITORS (LBS)	4,532,168	17%
TVs (LBS)	20,014,890	76%
Total LBS of all Devices	26,445,915	



# SPOT-LIGHT ON... OREGON

## Key Facts

- Law passed in 2007, implementation started 1/1/2009
- Products covered: desktops, laptops, monitors, and TVs (also includes tablets); printers and computer peripherals will be added in 2015
- Covered entities: anyone bringing in 7 or fewer covered items at a time, and households, small business and small non-profits with 10 or fewer employees

- Manufacturers must join a program to comply and are assigned a minimum lbs goal known as “return share by weight”. By default, all manufacturers are in the State Contractor Program, but they can opt out to join an approved manufacturer program (currently there are 2).
- Programs must provide statewide coverage by meeting convenience requirements of having one collection site in every city with a population over 10,000 and a collection service in every county (even in ones without a city over 10,000)

## Data

- More than 300 collection sites and additional events in 2013, increase of 37% from 2009
- 155 manufacturers participating in 3 programs (State and 2 manufacturer group programs)
- 6 recyclers receive volume from the 3 programs
- Over 150,000 units diverted for reuse since 2009
- Per Capita Collection: •2009: 5.0 •2010: 6.3 •2011: 6.7 •2012: 6.9 •2013: 7.1

## ERCC ANNOUNCES: 2014 Members



### 2014 ERCC Members:

CalRecycle  
 Connecticut DEEP  
 Hawaii DOH  
 Illinois EPA  
 Indiana DEM  
 Maine DEP  
 Maryland DOE  
 Michigan DEQ  
 Minnesota PCA  
 New Jersey DEP  
 New York DEC  
 North Carolina DENR  
 Oregon DEQ  
 Pennsylvania DEP  
 Rhode Island DEM  
 Vermont DEC  
 Wisconsin DNR

### 2014 Affiliate Members:

Barnes & Noble  
 Best Buy  
 Brother International  
 Consumer Electronics Assoc.  
 dataserv USA, Inc.  
 Dell  
 ecoATM  
 ECS Refining  
 Electronic Recyclers International, Inc.  
 Funai  
 HP  
 Hugo Neu Recycling  
 IMS Electronics Association  
 LG Electronics USA, Inc.  
 Metech  
 Microsoft  
 MRM  
 Orion America, Inc.  
 Pennsylvania Recycling Markets Center  
 Product Stewardship Institute  
 R2 Solutions  
 Rhode Island Resource Recovery Corporation (RIRRC)  
 Samsung  
 Sims Recycling Solutions  
 Vintage Tech Recyclers



## eCycleRegistration Summary

*The ERCC's eCycleRegistration system is a central location for manufacturers to register their brands and file other annual registration form information under state electronics recycling laws.*

Currently eCycle Registration is accepting registrations for seven states, with more expected to come on board next year.

Four states – Hawaii, North Carolina, Oregon, and Rhode Island – prefer that manufacturers use eCycleRegistration as their method of registration. 2013 saw substantially more manufacturers create accounts and submit registrations. To date, more than 150 manufacturers have

created accounts through the system. See below for a summary of activity as of early February

2014. To learn more about eCycleRegistration.org, visit the website.

State	Form Year/Version	Number of Registrations
CT	2013	16
HI	2013	41
HI	2014	64
IN	2014	25
ME	2013	11
ME	2014 (due 7/1/14)	2
NC	2014 Registration Form	5
OR	2013 Registration Form - 07-LQ-049	31
OR	2014 Registration Form - 07-LQ-049	109
RI	2014	58

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# Deadline!

## Recent & Upcoming Due Dates & Deadlines

### FEB 7

Connecticut: Covered Electronic Recycler (CER) application due February 7  
[<http://tinyurl.com/oh2hdob>]

### FEB 12

Vermont: Comments on draft Vermont E-Cycles Report to the Legislature due February 12  
[<http://tinyurl.com/qgthjo9>]

### MAR 1

Maine: Consolidators report second half of 2013 results by March 1

Maryland: Annual manufacturer registration and reporting due March 1  
[<http://tinyurl.com/ownetyh>]

### MAR 10

Vermont: Comments on State Standard Plan and Procedure for the Environmentally Sound Management of Electronic Devices for Collectors, Transporters, and Recyclers modifications due March 10  
[<http://www.anr.state.vt.us/dec/e-waste>]

## Latest Data



• Oregon: final volume for 2013 under Oregon e-Cycles: 27.7 million lbs or 7.1 lbs per capita, up 4% from 2012

• Washington: final volume for 2013 under E-Cycle Washington: 45.2 million lbs or 6.6 lbs per capita, up 4% from 2012

• Wisconsin: final volume for under E-Cycle Wisconsin for Program Year 5 (July 2012 – June 2013): 38.8 million lbs or 6.8 lbs per capita, down 1% from PY4

## ABOUT US

### WHAT IS ERCC?

- Addresses growing number of state electronics recycling laws
- Forum for coordination and info exchange, joint decision-making
- Members
  - Voting: State/local government
  - Affiliate: industry, non-profits, state/local without legislation, trade associations

### WHY ERCC?

- Reduce administrative overlap
- Offer covered stakeholders a one-stop shop for information on state laws
- Coordinate data gathering and information sharing
- Formalize joint, but non-binding, responses on key implementation issues

### KEY PROJECTS

- eCycleRegistration
- Market Share Data Program
- Outreach to Non-Compliant Companies
- Collection Site and Performance Measures Best Practices
- Data Gathering and Workshops

### CONTACTS:

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