



Electronic Recycling 2015 Report to Governor Rauner and the General Assembly



Illinois Environmental Protection Agency
Bureau of Land
Waste Reduction and Compliance Section

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Electronic waste, e-waste and e-scrap describe unwanted electronic products. The useful lifespan of these electronics is short due to rapid technological advances and lower costs to purchase each year. Electronic products contain dangerous metals like lead, cadmium and mercury that can contaminate air and water.

Executive Summary

The Illinois Electronic Products Recycling and Reuse Act (Public Act 97-0287) establishes a statewide program requiring manufacturers of covered electronic devices (CEDs) to recycle electronics produced from Illinois households. Manufacturers who sell any of the 17 CEDs in Illinois are required to register, pay a registration fee and meet recycling goals. Manufacturers are assigned a recycling goal each year based on a certain percentage of their sales from two years prior to the program year. All CEDs and eligible electronic devices (EEDs) are banned from landfills.

The total statewide manufacturer goal for 2014 was 42,204,162 pounds and manufacturers received credit for recycling 49,287,827 pounds.

<u>Covered Electronic Devices</u>		<u>Eligible Electronic Devices</u>	
Cable Receivers	Electronic Keyboards	Satellite Receivers	Cell Phones
Computers	Electronic Mice	Scanners	Computer Cables
Digital Converter Boxes	Facsimile Machines	Small Scale Servers	Portable Digital Assistant
Digital Video Disc Players	Monitors	Televisions	Zip Drives
Digital Video Disc Recorders	Portable Digital Music Players	Video Game Consoles	
	Printers	Videocassette Recorders	

This report is required by P.A. 97-0287 to update the Governor and the General Assembly on the progress and implementation of the law.

Program Implementation

Deadline	Agency responsibilities each year
February 1	Issue grants for current program year
March 1	Post list of manufacturers who did not meet previous year's goal
April 1	Recognizing manufacturers who met or exceeded goals with an Electronic Industry Recycling Award, as noted on the rankings data posted online
May 15	Report due to Governor and General Assembly
June 15/December 15	Meet with retail merchants to discuss compliance with the Act
October 1	Post for the next program year: Underserved counties; Registration fees; Individual Manufacturer goals and Statewide total
December 15	Post address of each collection site and amounts collected at each site for existing program year

Grants

Illinois EPA uses a portion of the manufacturer, recycler, and refurbisher registration fees to provide a \$2,000 grant to the recycling coordinator in each county of the State.

Thirty counties received grants in 2014. Grant monies spent in 2014 will go towards a variety of media campaigns to help educate consumers about the Act and their recycling options.

Counties receiving grants for 2014

Adams	McHenry
Champaign	McLean
Clinton	Montgomery
Cook	Ogle
DeKalb	Peoria
DuPage	Perry
Fayette	Randolph
Jackson	Rock Island
Kane	Sangamon
Knox	St. Clair
Lake	Tazewell
Livingston	Vermilion
Logan	Washington
Macon	Will
Madison	Winnebago

Outreach/Education

Illinois EPA posts information about the landfill ban on its website as well as educates consumers via public outreach. A list of all the available collection location sites throughout Illinois is also online so consumers know where they can take their electronics for recycling. Waste haulers and local governments have also been key components in educating consumers about the landfill ban.

Illinois EPA realizes the importance of maintaining consistency with other states that have e-waste laws. As a result, the Agency participates as an active member of the Electronics Recycling Coordination Clearinghouse to coordinate with other states on issues of concern.

Illinois EPA also performs retailer outreach to maintain manufacturer compliance; our semi-annual meetings with the Illinois Retailers Association are a vital part of this effort.

Compliance/Enforcement

Illinois EPA has the authority to monitor compliance with this Act, enforce violations of the Act by administrative citation, and refer violations of this Act to the Attorney General.

Per the Illinois Electronic Products Recycling and Reuse Act, Section 80(b), a manufacturer that is not registered with the Agency or that has not paid the registration fee as required under this Act, is liable for a civil penalty not to exceed \$10,000 for the violation and an additional civil penalty not to exceed \$10,000 for each day the violation continues. Section 30(b) requires manufacturers to submit their registration fee to Illinois EPA every year by November 1.

Per Section 80(c) (1) beginning with program year 2012, if the total weight of CEDs and EEDs recycled or processed for reuse by the manufacturer is less than 50% of the manufacturer's individual recycling or reuse goal set forth in subsection (c) of Section 15, the manufacturer shall pay a penalty equal to the product of 0.70 per pound, multiplied by the difference between the manufacturer's individual recycling goal and the total weight of CEDs and EEDs recycled or processed.

Per Section 80(d) a manufacturer in violation of subsection (e), (h), (i), (j), (k), (l), or (m) of Section 30 is liable for a civil penalty not to exceed \$5,000 for the violation. Section 30(l) requires manufacturers to submit their total weights collected report by January 31 of the following year.

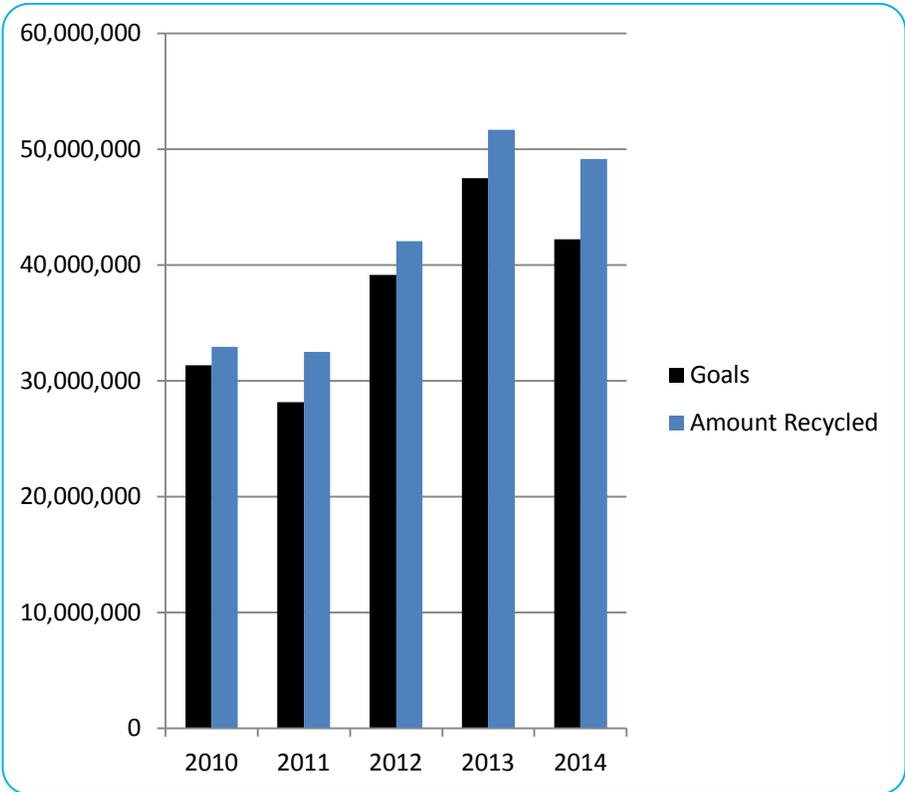
As a result, the Illinois EPA will refer Spectra Merchandising International and Westinghouse Digital manufacturers to the Attorney General's office for failure to meet their recycling goals and failure to submit their total weights collected report in program year 2014.

Program Participation

Manufacturers

Eighty-nine manufacturers registered for program year 2014 and received recycling goals from Illinois EPA. Registrations vary from year to year as some manufacturers no longer manufacture and sell the CED or new manufacturers enter the market. The total statewide manufacturer goal for 2014 was 42,204,162 pounds.





The decrease in goals from 2013 to 2014 is a result of the covered electronic devices becoming smaller and smaller. Goals are based on weight of the devices sold.

Manufacturers received credit for recycling 49,287,827 pounds of electronic products. That exceeded the statewide recycling goal set by the Illinois Products Recycling and Reuse Act by 7,083,665 pounds.

Of the reported manufacturer results, 39 exercised the portions of the legislation that allowed adjustments for collecting in underserved counties, refurbishing products for their original intention, and donating to an educational institution.

Since the first program year in 2010 and each year thereafter, manufacturers not only have met their assigned recycling goals, but have exceeded them.

Total Pounds Recycled in 2014

Actual Amount Collected: 43,544,058

Credits Received: 5,743,769

Total Amount Manufacturer Recycled including Credits: 49,287,827

A manufacturer can receive double credit for collecting in an underserved county or processing for reuse, and can receive triple credit if donated to a primary or secondary public education institution, to low income children and families or to assist the developmentally disabled.

2014 Registered Manufacturers assigned recycling goals

Manufacturer	Goals	Amount Recycled
3M Company	140.50	141.00
Acer America Corp.	1,288,512.00	1,288,512.00
Amazon	148,790.50	166,067.00
American Future Tech Corp dba ibuypower	10,737.50	10,738.00
Apple Inc.	906,992.00	908,926.00
Archos	4,423.25	
ASUS Computer International	578,991.50	579,000.00
Bang & Olufsen America Inc	5,290.80	5,290.80
Barnes and Noble	38,960.50	38,961.00
BenQ America Corp.	1,187.79	1,188.00
Best Buy	2,088,535.50	7,374,305.00
BlackBerry Limited (formerly Research in Motion)	3,352.00	3,360.43
Bose Corporation	3,827.50	3,827.50
Brother International Corporation	1,153,679.00	1,153,679.00
Canon U.S.A. Inc.	1,287,289.30	1,287,290.00
Cellco Partnership (Verizon)	0.00	
Craig Electronics - Newtech Electronic Industries	12,908.50	12,909.00
Creative Labs	100.67	101.00
Curtis International	51,415.20	51,415.00
Cyberpower Inc.	17,263.50	17,263.50
D&M Holdings, NA	3,479.50	3,480.00
Dell Inc.	393,874.50	393,874.50
Digital Products, Inc. (DPI)	14,555.50	14,555.50
Directv	16,775.00	3,061,362.00
Double Power Technology, Inc.	0.00	
ELO Touch (formerly TE Connectivity)	0.00	
Envision Peripherals Inc. (EPI)	73,353.00	73,353.00
Epson America Inc.	499,864.50	499,865.00
Equus Computer Systems Inc. and Mirus Innovations, LLC	3,156.50	3,157.00
Fuhu, Inc.	6,625.00	6,625.00
Fujitsu America, Inc.	16,002.82	16,002.82
Funai Corporation Inc. (P and F USA)	2,887,851.50	2,887,852.29
Google	0.00	
Haier America	117,213.50	117,214.00
Hannstar Display Corporation (formerly Hannspree)	43,900.50	43,901.00
Hewlett Packard/Apollo/Color Span/Compaq	4,766,560.00	4,809,350.90
Hisense USA Corporation	416,833.00	416,833.00
Hitachi America, Ltd. (Digital Media Division)	74,708.00	74,707.90
HKC Digital USA	0.00	
HTC	142.00	142.00
Innovative DTV Solutions	1,547.00	1,547.00
International Business Machines Corporation	60.00	60.00
JVCKENWOOD USA Corp	262,697.50	262,698.10

Kobo Inc.	26.51	27.00
Konica Minolta Business Solutions	45,726.50	45,727.00
Kontech USA	0.00	0.00
LeapFrog Enterprises Inc.	0.00	0.00
Lenovo	254,692.50	254,692.60
Lexmark	346,476.50	346,866.00
LG Electronics USA Inc.	3,376,654.50	3,376,656.00
Logitech	98,438.00	98,438.00
Lorex Technology Inc.	307.20	308.00
Mach Speed Technology LLC dba Apollo Brands LLC	5,749.50	5,749.50
Micro Center/Micro Elec./IPSG	24,723.00	35,042.50
Microsoft Corporation	628,435.50	690,480.85
Midwest Trading Group, Inc.	1,550.00	1,550.00
Motion Computing Inc.	63.23	63.23
Motorola Mobility	3,801.00	3,801.00
MSI Computer	12,360.00	12,360.00
NEC Display Solutions of America Inc.	6,080.00	6,080.00
Nintendo of America	158,271.50	158,271.50
Nvidia Corporation	0.00	
Oki Data	248,410.87	248,411.10
ON Corp US Inc.	492,239.00	498,839.00
Onkyo USA Corporation	5,165.00	5,165.00
Oregon Scientific, Inc.	1,868.00	1,868.00
Panasonic Corporation of North America	2,637,035.50	2,637,036.25
Philips Gobar Brand Licensing	26,061.40	26,060.90
Pioneer Electronics (USA) Inc.	2,122.00	2,122.00
Planar Systems Inc./Runco	10,417.50	10,417.50
PLR IP Holdings, LLC (Polaroid)	41,535.00	41,535.00
Premio Inc.	11,535.00	11,535.00
RadioShack Corp.	2,673.50	2,674.00
Ricoh	12,031.50	12,032.00
Russell Distribution Company	0.00	
Samsung Electronics Co.	5,899,631.00	6,047,457.00
Sceptre	31,429.06	31,430.00
Shaghal Ltd	76.00	76.00
Sharp Electronics Corporation	1,893,498.50	1,893,498.30
Sirius XM Radio, Inc.	4,482.00	4,488.00
Sony Electronics Inc	1,858,384.00	1,858,384.00
Spectra Merchandising International, Inc.	1,778.00	
SSNA (formerly Orion America)	275,048.00	275,048.00
Star Light Electronics Co., Ltd.	0.00	
Sunbrite Television	12,809.00	33,207.00
TMAX Digital	195,000.00	195,000.00
Tongfang Global, Inc.	560,218.50	560,219.00
Toshiba America Information Systems Inc.	1,376,376.00	1,376,377.14
TTE Technology Inc.	61,381.50	61,381.90
Venturer Electronics Inc	0.00	

ViewSonic	11,400.00	11,400.00
Visual Land, Inc.	3,751.50	3,751.50
Vizio Inc.	3,061,828.70	2,189,763.00
VOXX (formerly Audiovox)	29,248.50	29,249.00
Vtech Electronics North America LLC	2,071.00	2,071.00
Wacom Technology	9,273.50	9,273.50
Westinghouse Digital, LLC	677,411.85	
Wyse Technology	560,923.50	560,293.00
Xerox Corporation	21,288.65	21,289.00
Yamaha	807.37	807.00
		49,287,827

****Those manufacturers with no amount in the “amount recycled” column did not submit their required report.***

Total amount collected in each category as reported by the registered manufacturers.

Device	Amount Collected
Computers	2,492,425.07
EEDs	2,455,861.43
Monitors	3,568,888.11
Printers/Fax/Scanners	3,874,023.30
Remaining CEDs	5,266,525.60
Televisions	25,886,334.52

Televisions are consistently the top item being recycled by residents.



The Act was amended on July 16, 2014 to reduce the number of categories of electronic devices manufacturers and collectors must segregate, weigh and report to the Illinois EPA.

Collectors/Recyclers/Refurbishers

133 Collectors, 78 Recyclers and 42 Refurbishers registered in 2014.

A Collector receives CEDs or EEDs directly from a residence.

A Recycler separates or dismantles a CED or EED and returns it to the economic mainstream in the form of raw materials or products.

A Refurbisher processes a CED or EED for reuse.

A total of 637 residential ewaste collection locations are available throughout Illinois, covering 66 counties.

Adams	Fayette	Lee	Morgan	Warren
Boone	Fulton	Livingston	Ogle	Washington
Calhoun	Grundy	Logan	Peoria	Whiteside
Champaign	Hancock	Macon	Piatt	Will
Christian	Henderson	Macoupin	Pike	Williamson
Clinton	Henry	Madison	Putnam	Winnebago
Coles	Iroquois	Marion	Randolph	
Cook	Jackson	Marshall	Richland	
Crawford	Jefferson	Mason	Rock Island	
DeWitt	Kane	McLean	Sangamon	
DeKalb	Kankakee	McDonough	Schuyler	
Douglas	Kendall	McHenry	St. Clair	
DuPage	Knox	McLean	Stevenson	
Edgar	Lake	Mercer	Tazewell	
Effingham	LaSalle	Montgomery	Vermillion	



recycling

refurbishing

collecting

Recycle

The possibilities are endless.

electronic waste

Collector Recycling Totals

The Illinois Electronic Products Recycling and Reuse Act requires all collectors to report only the amounts collected from residential sources. It appears that often collectors fail to separate business or commercial e-waste items from residential items and report all weights; this significantly raises the total pounds collected. In addition, many collectors have reported weights of items collected from other e-waste collectors or recyclers and not just the pounds that they have collected directly from residential sources; this results in a potential “double counting” of the weights.

The table below provides the total amount collected in each category as reported by our registered collectors. Collectors reported collecting a total of 69,935,641.73 pounds of residential electronic waste for 2014. This number includes pounds that were collected on behalf of manufacturers as well as pounds that were not allotted for any manufacturer.

Device	Amount Collected
Computers	4,689,524.24
EEDs	9,506,235.67
Monitors	5,311,762.00
Printers/Fax/Scanners	5,383,382.00
Remaining CEDs	6,014,070.00
Televisions	39,030,667.82

For more information about the electronic recycling program, visit:

<http://www.epa.illinois.gov/topics/waste-management/electronics-recycling/index>

