



Illinois Environmental Protection Agency



State of Illinois

2013 Legislative Report

Electronic Recycling



Waste Reduction and Compliance Section

May, 2013

Introduction

The Illinois Electronic Products Recycling and Reuse Act took effect January 1, 2010 and required manufacturers of a set list of covered electronic devices to begin recycling electronics that are produced from Illinois households. Beginning January 1, 2012, all covered electronic devices (CEDs) and eligible electronic devices (EEDs) were banned from landfills. This report is required by the Illinois legislation to update the Governor and Legislature on the progress and implementation of the law.

Electronic waste, e-waste and e-scrap are all terms used to describe unwanted electronic products. Home electronics use has expanded significantly over the years and with a constant supply of faster electronic products on the market, older models are continually replaced. As a result, electronics have become one of the fastest growing waste streams.

Illinois Electronic Products Recycling and Reuse Act (Public Act 97-0287) establishes a statewide program where manufacturers who sell any of the 17 CEDs in the State of Illinois are required to register, pay a registration fee and meet their recycling goals. Manufacturers are assigned a recycling goal each year based on a certain percentage of their sales from a previous year.



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Program Participation

Manufacturers

There were 78 manufacturers in program year 2012 that were assigned recycling goals. Registrations vary from year to year as some manufacturers no longer manufacturer and sell the CED or new manufacturers emerge into the market. Total manufacturer goals for 2012 were 39,116,413 pounds.

2012 Registered Manufacturers w/goals

3M Company	Hewlett Packard/Apollo/Color	Philips Consumer Lifestyle
Acer America Corp.	Span/Compaq	Pioneer Electronics (USA) Inc.
Apple Inc.	Hisense USA Corporation	Planar Systems Inc./Runco
ASUS Computer International	Hitachi Home Electronics (America) Inc.	PLR IP Holdings, LLC (Polaroid)
Atico International USA Inc	Imation Electronic Products - Memorex	Premio Inc.
Barnes and Noble	Innovative DTV Solutions	RadioShack Corp.
BenQ America Corp.	International Business Machines	Ricoh
Best Buy	Corporation	Samsung Electronics Co.
Bose Corporation	JVC Americas Corp.	Sceptre
Brother International Corporation	Konica Minolta Business Solutions	Sharp Electronics Corporation
Canon U.S.A. Inc.	Lenovo	Sirius XM Radio, Inc.
Coby Electronics Corporation	Lexmark	Sony Electronics Inc
Craig Electronics - Newtech Electronic Industries	LG Electronics USA Inc.	Starlite Consumer Electronics USA Inc.
Creative Labs	Logitech	Sunbrite Television
Curtis International	Lorex Technology Inc.	Systemax Manufacturing Inc (includes CompUSA, Circuit City)
Cyberpower Inc.	Medion AG	Tongfang Global, Inc.
D&M Holdings, NA	Micro Center/Micro Elec./IPSG	Toshiba America Information Systems Inc.
Dell Inc.	Microsoft Corporation	Venturer Electronics Inc
Digital Products, Inc. (DPI)	Mitsubishi Electric Visual Solutions	ViewSonic
Eastman Kodak Company	Motion Computing Inc.	Vizio Inc.
Envision Peripherals Inc. (EPI)	MSI Computer	VOXX (formerly Audiovox)
Epson America Inc.	NEC Display Solutions of America Inc.	Wacom Technology
Equus Computer Systems Inc. and Mirus Innovations, LLC	Nintendo of America	Westinghouse Digital , LLC
Fujitsu America, Inc.	Office Depot	Wyse Technology
Funai Corporation Inc. (P and F USA)	Oki Data	Xerox Corporation
Haier America	ON Corp US Inc.	
Hannspree North America Inc.	Orion America Inc.	
	Panasonic Corporation of North America	

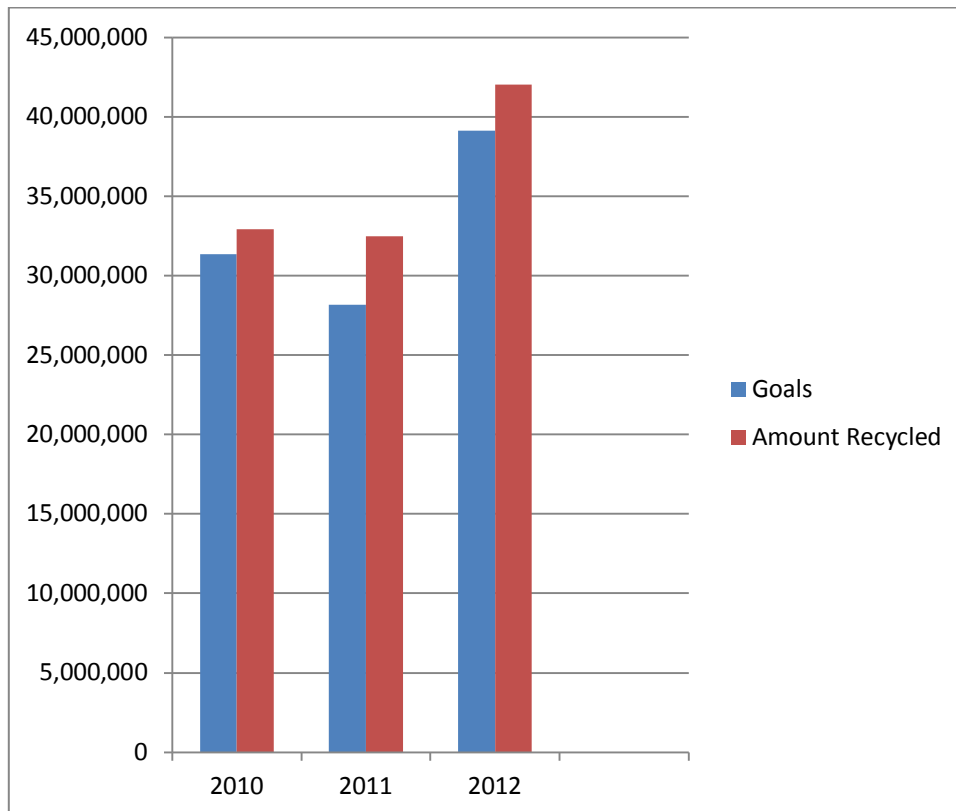
Manufacturer Requirements

Timeline:

- October 1 – Manufacturer Registration
- November 1 – Manufacturer Registration fee due. 2012 registration fee was \$5,000 unless the manufacturer sold 250 units or less in the previous year, then the registration fee was \$1,250.
- November 1 - Recycler information – manufacturers are to provide the name and address of the registered recyclers they will be using to assist in meeting their goals
- September 1 - Manufacturer sales data used to determine their current program year's goals are due (sales from two years prior to current program year)
- January 31 – Total weights collected from previous year used to determine goal achievement

Manufacturer Recycling Totals

Manufacturers that were assigned an Illinois recycling goal were required to submit their amounts collected by January 31, 2013. Manufacturers reported recycling 42,682,122 pounds of residential e-waste for 2012. This exceeded the statewide goal by 3,565,709 pounds. Of the reported collection results, 34 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 2012

Actual Amount Collected: 39,496,978

Credits Received: 3,185,144

Total Amount Manufacturer Recycled including Credits: 42,682,122

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.

The table below provides the total amount collected in each category as reported by the registered manufacturers.

Covered Electronic Device	Amount Collected
Cable Receivers	103,833.99
Computers	4,201,669.16
Digital Converter Boxes	22,908.01
Digital Video Disc Players	279,287.39
Digital Video Disc Recorders	50,662.98
EEDs*	1,578,584.88
Electronic Keyboards	412,284.67
Electronic Mice	192,656.71
Facsimile Machines	227,146.93
Monitors	5,776,271.60
Portable Digital Music Players	183,672.01
Printers	3,450,419.28
Satellite Receivers	256,970.99
Scanners	365,243.54
Small Scale Servers	10,216.98
Televisions	21,556,828.88
Video Game Consoles	472,686.54
Videocassette Recorders	355,633.61



Televisions represent the largest quantity of recycled CED's.

*EEDs -Eligible Electronic Devices are: cell phones, computer cables, zip drive, and personal digital assistant (PDA's).

Manufacturer and Retailer Compliance

Manufacturer and retailer compliance are important foundations of the Illinois Electronic Products Recycling and Reuse Act. Manufacturers are required to register all covered electronic devices that are sold for residential use in Illinois. Retailers play a significant role in that they have a responsibility to only sell brands that are registered within the State.

The Illinois EPA (EPA) takes steps to assist manufacturers in compliance with the Act by reaching out to them when upcoming forms and reports are due. In addition, the EPA's retailer outreach effort is equally as important and is augmented through our semi-annual meetings with the Illinois Retailers Association.

Collector, Recycler and Refurbisher

The program year runs from January 1 to December 31. In 2012, 177 collectors, 72 recyclers and 44 refurbishers were registered.

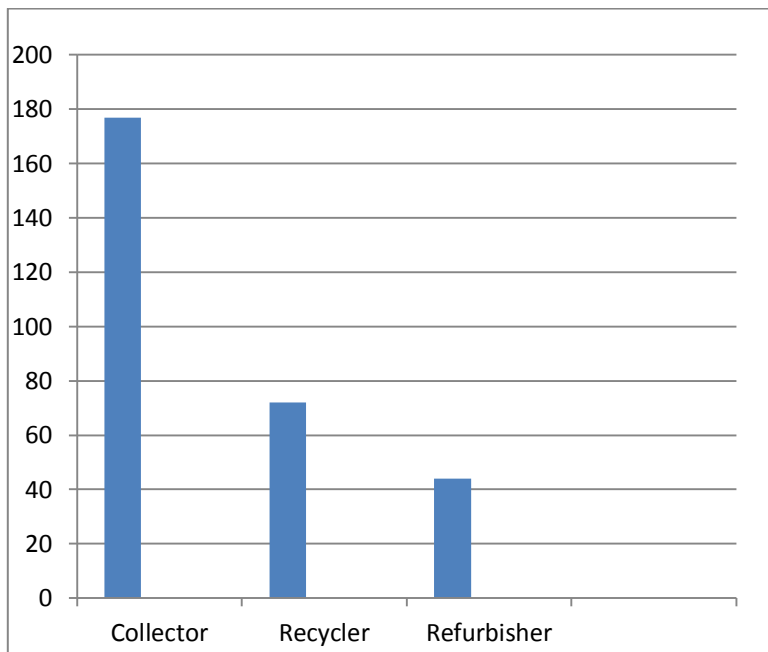


Figure 1 2012 Registrations

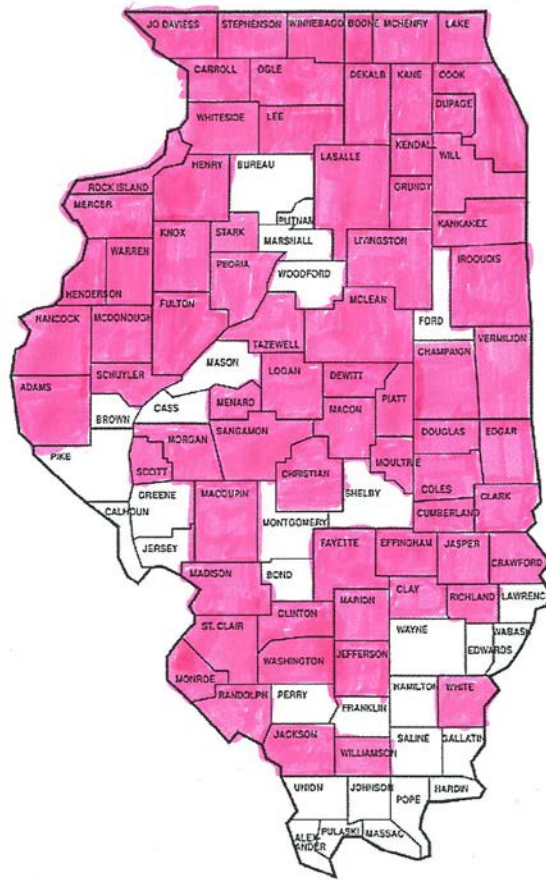
Collector – receives CEDs or EEDs directly from a residence.

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

Refurbisher - processes a CED or EED for reuse.

Over 400 recycling collection location sites were available to consumers throughout the State during 2012.

Of the 102 counties in the State of Illinois, consumers had recycling options available to them in 71 counties.



Collector, Recycler and Refurbisher Requirements

Collectors/Recyclers/Refurbishers are required to register on an annual basis. Collectors have annual reporting requirements. If a company is a recycler and/or refurbisher only, they do not have reporting requirements.

Timeline:

- January 1 – Collector/Recycler/Refurbisher Registration
- January 1 – Collector/Recycler/Refurbisher Registration fee (collectors only have no fees). 2012 registration fee was \$2,041 unless the annual throughput was less than 1,000 tons, then the fee was \$505.
- January 31 - Total weights collected from previous year (recyclers and/or refurbishers only are not required to report)

For more information about the electronic recycling program, visit:

<http://www.epa.state.il.us/land/electronic-waste-recycling/index.html>

Collector Recycling Totals

The table below provides the total amount collected in each category as reported by our registered collectors. Collectors reported collecting a total of 73,814,288 pounds of residential electronic waste for 2012. This number includes pounds that were collected on behalf of manufacturers as well as pounds that were not allotted for any manufacturer.

Covered Electronic Device	Amount Collected
Cable Receivers	470,469.00
Computers	8,345,999.30
Digital Converter Boxes	112,069.80
Digital Video Disc Players	1,282,754.11
Digital Video Disc Recorders	130,525.25
EEDs	2,615,452.72
Electronic Keyboards	1,405,336.54
Electronic Mice	751,969.24
Facsimile Machines	749,481.29
Monitors	9,863,554.23
Portable Digital Music Players	84,844.90
Printers	9,794,360.87
Satellite Receivers	1,014,506.25
Scanners	700,503.90
Small Scale Servers	357,486.30
Televisions	34,303,357.25
Video Game Consoles	445,622.15
Videocassette Recorders	1,384,930.25

*EEDs -Eligible Electronic Devices are: cell phones, computer cables, zip drive and personal digital assistant (PDA's).

Collector, Recycler, and Refurbisher Compliance

The Illinois Electronic Products Recycling and Reuse Act require all collectors to report only the amounts collected from residential sources. It appears that often times 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 “double counting” of the weights.

To assist processors in complying with the Act, the EPA works with these businesses providing guidance to resolve non-compliant issues as well as frequent communications providing technical assistance.

Landfill Ban and Enforcement

Beginning January 1, 2012, all CEDs were banned from landfills. The EPA placed information about the landfill ban on their website as well as educating consumers via public outreach. In addition, a list of all the available collection location sites throughout Illinois is available 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.



Public Education/Outreach

In an effort to continue public education, the Agency began utilizing a portion of the manufacturer registration fees for issuing grants to county recycling coordinators. 47 applications were received from the recycling coordinators to help educate consumers about the program and their recycling options.

The EPA is required to host an Electronics Products Recycling Conference in Program Years 2012, 2013 and 2014 and at its discretion thereafter.

The second conference was held in Joliet on April 30, 2013. The Illinois County Solid Waste Management Association co-hosted the conference and accepted registrations, provided lunch, and acted as the moderators. Speakers included Agency personnel, recyclers and county recycling coordinators. Approximately 100 attendees were present. There were numerous positive comments from all sectors on the Agency's implementation and management of the program.

EPA realizes the importance of maintaining consistency with other states which have e-waste laws. As a result, participation as an active member with the Electronics Recycling Coordination Clearinghouse is a vital part in coordinating with other states to address issues of concern.

In addition, EPA's [Electronic Waste Recycling page](#) is a source of information regarding program requirements and updates. This page is intended to assist all parties involved in e-waste recycling understand their responsibilities under the Illinois Electronic Products Recycling and Reuse Act.