

Illinois Electronics Recycling Program



Illinois Environmental
Protection Agency

Introduction

The Illinois Statewide Electronics Recycling Program began on January 1, 2012 under the Electronics Products Recycling & Reuse Act (EPRRA). On January 1, 2019, the Consumer Electronics Recycling Act (CERA) replaced EPRRA as the statutory framework for the statewide electronics recycling program. CERA incorporated many of the lessons learned from the historic program administration, including replacing numerical annual collection goals with minimum collection site requirements for participating Illinois counties.

The statewide program offers an environmentally sound outlet for residential electronics and reduces the occurrence of open dumping which can be an environmental and economic burden for Illinois taxpayers. CERA requires manufacturers of covered electronic devices (CEDs), listed in Table 1, to register with the Illinois Environmental Protection Agency (Agency) the brands they offer for sale at retail to Illinois residents. These manufacturers are required to fund packaging, transportation, and the subsequent recycling of CEDs collected at participating collection locations. The list of registered manufacturers can be found on the Agency's [website](#).

Table 1. List of Covered Electronic Devices

- Computers
- Computer Monitors
- Keyboards & Mice
- Printers
- Scanners
- Fax Machines
- Small-Scale Servers
- Televisions
- DVD Players|
- DVD Recorders
- VCRs
- Cable Receivers
- Satellite Receivers
- Digital Converter Boxes
- Video Game Consoles
- Portable Music Players (with memory capabilities)

Program Participation

Illinois county participation plays an important role in program success. In total, 55 counties opted into the 2022 statewide program. Of those counties, 44 were able to run collection sites or hold collection events despite many of the limitations imposed by the COVID-19 pandemic. Figure 1 displays a visual depiction of county participation. Approximately 88% of the Illinois population had the opportunity to use a CERA collection site or event during calendar year 2022.

Collectors and recyclers are also vital components of the statewide program. Collectors involved in the program must register each program year with the Agency. In many cases, the participating county acts as their own designated collector. A county may also designate a third party to act as their collector. Collectors must register the collection sites and events with the Agency. These sites and events are published on the Agency's website and added to our [Beyond the Bin Map](#) for public access.

Recyclers involved in the statewide program are selected and assigned to participating counties by the manufacturers. In 2022, nine recyclers were selected to participate. Registered collectors and recyclers are responsible for handling CEDs in an environmentally safe manner in accordance with state law. CERA contemplates allowing additional collectors and recyclers

maintaining independent collection and recycling networks, which may not be funded by manufacturers.

Collection Totals and Analysis

CERA requires manufacturers to annually report to the Agency the amount of CEDs collected and recycled from participating collection sites and events by device category. The eight device categories are:

1. Computers and small-scale servers
2. Computer monitors
3. Televisions
4. Printers, scanners, fax machines
5. DVD players/recorders, video players/recorders
6. Video game consoles
7. Digital converter boxes, cable and satellite receivers
8. Keyboards, mice, portable digital music players

Manufacturers reported that approximately ~10.2 million pounds of CEDs were collected from collection sites and events established under CERA in 2022.

Figure 2 illustrates the total weight amount collected by CED category. A majority of the weight collected can be attributed to televisions and accounts for 61.5% of the total weight collected. Although televisions continue to become slimmer and lighter, they remain the heaviest consumer electronic. Additionally, tube televisions persist in Illinois homes despite their phaseout in the mid to late 2000s. Television collection numbers are expected to remain high for the future due to their size, weight, and abundance.

The remaining device categories collected include: Printers/Scanners/Fax (11%), DVD and VCR Players/Recorders (10.2%), Computers and Small-Scale Servers (7.3%), Computer Peripherals (3.6%), Computer Monitors (4.1%), Cable/Satellite Equipment (1.8%), and Game Consoles (1%).

In addition, the Agency is provided with a breakdown of CED weight collected by each county. A full breakdown of collection weight by county can be found in Table 2. The top four counties by collected weight are Lake County, Cook County, Will County, and DuPage County. These counties represent the four largest Illinois counties by population size.

CERA is among the first of several electronic recycling statutes enacted in the United States. Analysis of program effectiveness is on-going as more data is collected each year. Eleven counties that had opt-ed into the program were ultimately unable to provide collection services during 2022 due to the COVID-19 pandemic. Additionally, some collection sites were temporarily closed, and many collection events were postponed. Therefore, the 2022 program was significantly impacted. Program year 2022 brought in 2.5 million fewer pounds when compared to program year 2021. A decrease in total weight collected was anticipated. Despite these challenges, local governments and recyclers worked diligently to re-open collection sites

and hold collection events throughout the program year. This was largely achieved by taking additional measures to protect the health and safety of employees and residents so that this important program could continue to benefit local communities and the environment.

Please contact Archana Uppuluri at (217) 524-9303 or email EPA.Recycling@illinois.gov if you have any questions related to this report or the Illinois Statewide Electronics Recycling Program.

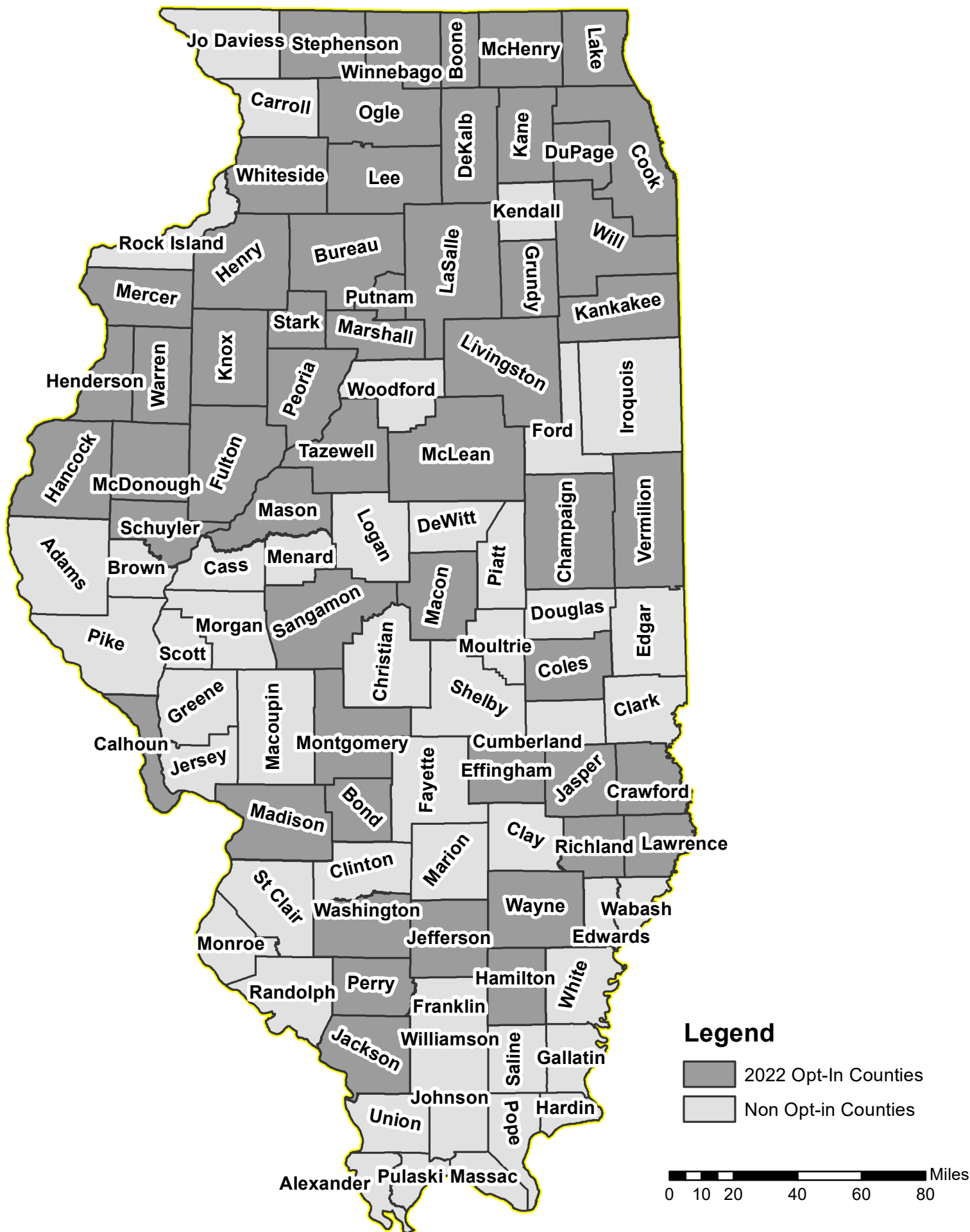


Figure 1. Illinois County Participation in 2022 under CERA

Figure 2. Total CED Weight (lbs.) Collected in 2022 Under CERA

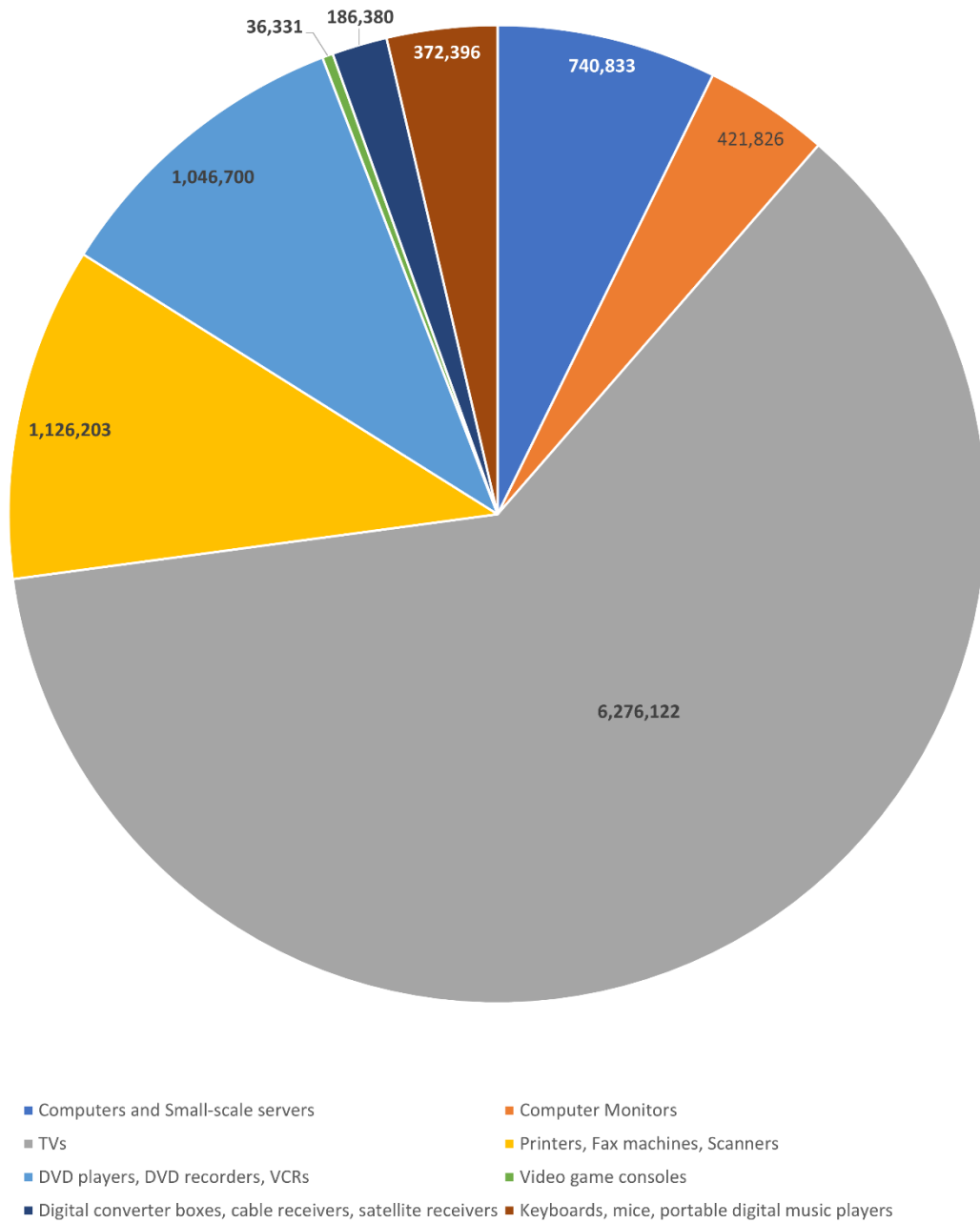


Table 2. CED weight (lbs.) Collected by Illinois Counties in 2022 Under CERA

County	Collected by County (2022)	Computers and Small-scale servers	Computer Monitors	TVs	Printers, Fax machines, Scanners	DVD players, DVD recorders, VCRs	Game consoles	Digital converter boxes, cable receivers, satellite receivers	Peripherals
Bond	40,948	2,670	530	28,853	1,284	4,143	170	1,353	1,945
Boone	151,158	9,011	1,053	98,792	8,726	3,724	-	-	29,852
Bureau	85,871	4,324	1,400	71,509	4,533	-	-	-	4,105
Champaign	178,837	6,394	1,239	145,075	19,815	2,473	-	-	3,841
Coles	24,743	2,282	-	17,674	538	2,314	94	755	1,086
Cook	1,009,920	140,831	32,870	592,516	143,585	33,305	1,977	35,637	29,199
Crawford	33,330	-	-	25,166	816	4,001	163	1,306	1,878
Dupage	1,190,089	241,279	121,427	443,386	151,006	210,743	-	5,169	17,079
Fulton	50,428	365	492	46,328	1,668	438	59	340	738
Grundy	36,067	1,453	-	25,340	8,522	409	17	134	192
Hamilton	86,495	1,818	492	71,668	10,190	847	76	474	930
Hancock	17,734	129	173	16,293	586	154	21	120	259
Henderson	6,095	44	59	5,599	201	53	7	41	89
Henry	81,492	3,751	4,027	65,243	847	4,151	170	1,355	1,948
Jackson	335,479	30,858	7,703	244,159	35,513	9,389	383	3,066	4,408
Jasper	27,452	-	-	21,149	630	3,089	126	1,009	1,449
Kane	974,194	162,079	73,149	500,882	93,284	135,755	-	190	8,855
Kankakee	160,426	-	1,112	137,657	14,698	3,789	154	1,237	1,779
Knox	85,338	618	832	78,404	2,822	740	98	576	1,246
Lake	1,743,638	-	9,017	827,511	340,201	458,928	8,998	17,998	80,985
LaSalle	104,621	3,056	-	89,894	8,952	1,480	61	483	695
Lee	66,691	-	639	45,796	7,083	7,172	292	2,342	3,367
Livingston	127,386	-	2,827	123,535	103	502	21	163	235
Macon	102,461	-	-	84,220	1,824	8,939	365	2,918	4,195
Madison	78,768	5,025	3,947	60,769	900	4,424	181	1,445	2,077
Marshall	45,922	2,959	862	34,880	3,538	2,005	82	655	941
McDonough	43,224	313	422	39,711	1,429	375	49	293	631
McHenry	171,946	17,339	6,730	131,236	13,148	1,422	16	127	1,928
McLean	494,626	350	382	299,594	36,886	53,256	8,139	45,103	50,916
Mercer	25,767	187	251	23,673	852	223	30	174	376
Montgomery	18,187	2,803	926	8,223	3,390	1,229	4	789	823
Ogle	124,671	8,532	3,533	93,304	11,351	4,329	176	1,414	2,032
Peoria	574,809	17,614	8,643	363,523	21,082	45,687	7,384	48,329	62,547
Perry	17,261	1,242	-	13,816	220	1,079	44	352	507
Schuyler	15,239	110	149	14,002	503	133	18	103	223
Stark	21,112	1,151	1,200	16,214	254	1,248	51	408	586
Stephenson	80,884	3,906	1,400	62,470	4,226	-	5,576	-	3,306
Vermilion	99,872	4,080	-	88,093	769	3,773	155	1,232	1,770
Warren	33,258	241	324	30,547	1,099	288	38	235	485
Washington	71,111	5,526	389	51,224	3,078	5,931	242	1,937	2,784
Whiteside	103,522	624	2,546	86,204	3,625	5,730	233	1,871	2,689
Will	1,137,045	30,725	123,927	797,191	134,257	14,019	535	4,257	32,134
Winnebago	328,675	27,143	7,154	254,798	28,168	5,010	125	990	5,287
TOTALS	10,206,790	740,833	421,826	6,276,122	1,126,203	1,046,700	36,331	186,380	372,396

* Collection numbers do not include non-opt-in counties, municipal programs outside of CERA, private programs, retailers, for profit businesses, or non-profits.