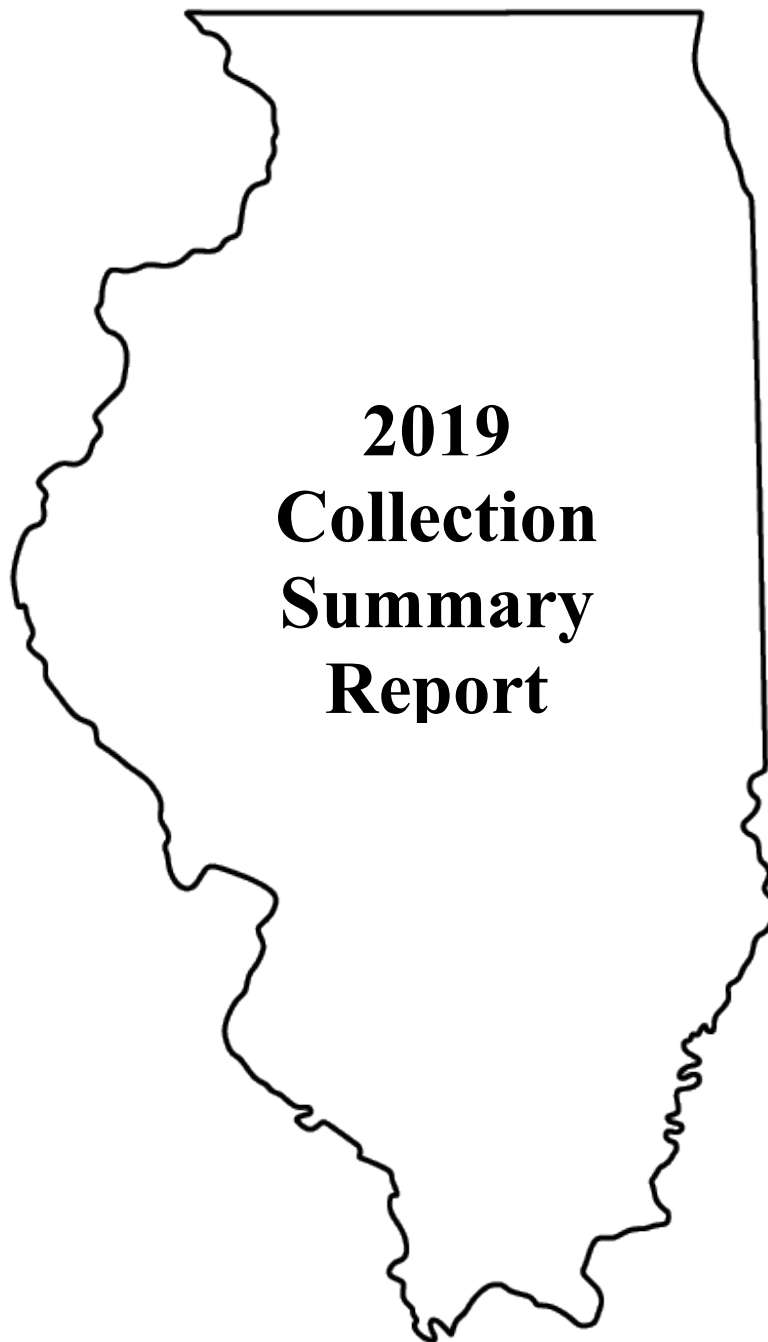


Illinois Electronics Recycling Program



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 obsolete residential electronics and reduces the occurrence of open dumping which can be an environmental and economic burden. 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, 48 counties participated in the 2019 statewide program. Figure 1 displays a visual depiction of county participation. Approximately 85% of the Illinois population had the opportunity to use a CERA collection site or event during calendar year 2019.

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 2019, seven 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

Manufacturers are required 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 ~14.7 million pounds of CEDs were collected from collection sites and events established under CERA in 2019. The amount collected is equal to the weight of 32 Statue of Liberties.

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 67.6% 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 (11.1%), DVD and VCR Players/Recorders (7.7%), Computers and Small-Scale Servers (5.3%), Computer Peripherals (3.6%), Computer Monitors (2.9%), Cable/Satellite Equipment (1.4%), and Game Consoles (0.4%).

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 three counties by collected weight are Lake County, Cook County, and DuPage County. These three counties also constitute the largest Illinois counties by population size.

Further data is needed to establish collection trends under CERA. As more data becomes available each year, the Agency will be able to assess program effectiveness more in depth. CERA is a unique statute and is currently the only electronics recycling statute of its kind enacted in the United States.

Please contact Jessica Miller at (217) 524-7948 or email EPA.Recycling@illinois.gov if you have any questions related to this report or the Illinois Statewide Electronics Recycling Program.

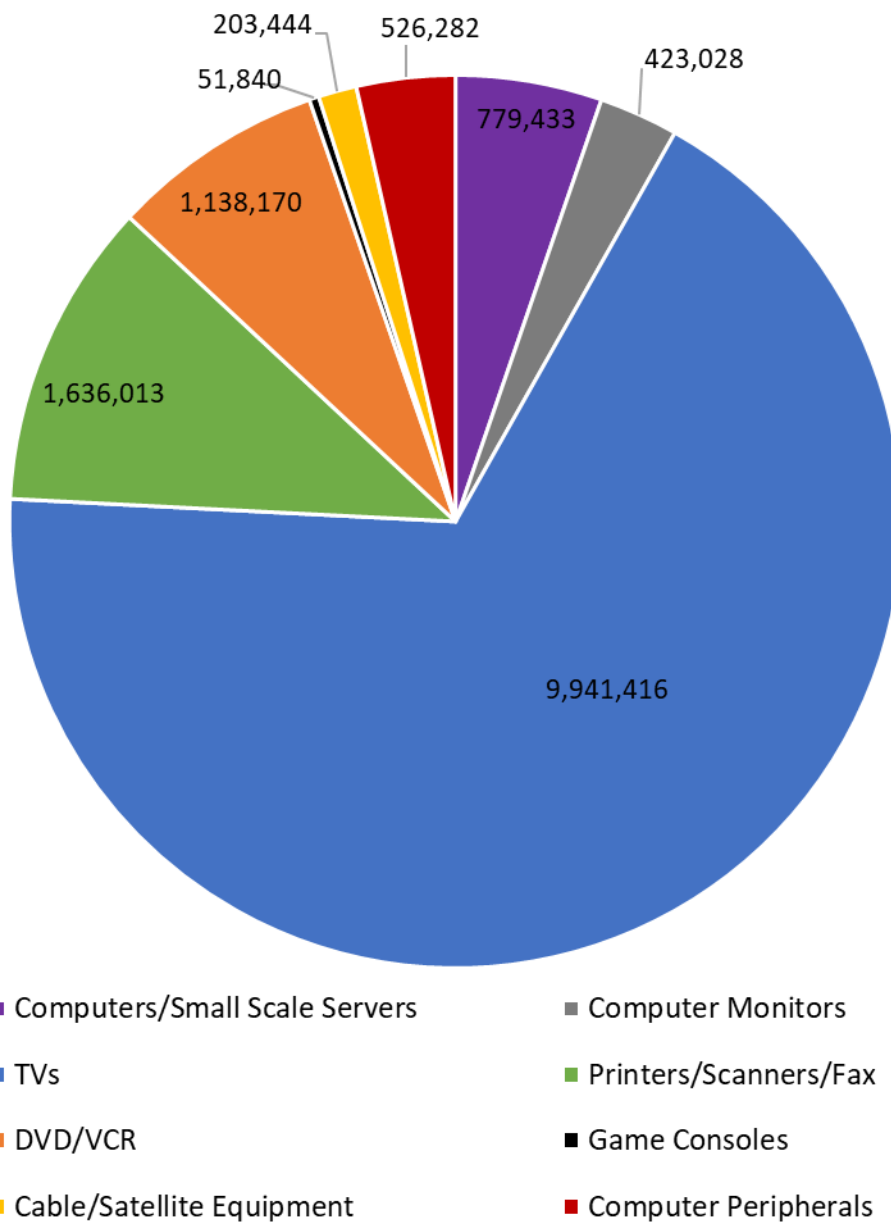


Figure 2. Total CED Weight (lbs.) Collected in 2019 under CERA

Table 2. CED Weight (lbs.) Collected by Illinois Counties in 2019 Under CERA

County	Weight (lbs) Collected by County (2019)	Computers and Small-Scale Servers	Computer Monitors	TVs	Print/Fax/Scanners	DVD /VCR	Game Consoles	Cable/Satellite Equipment	Computer Peripherals
Boone	241,099	12,752	-	182,877	13,119	-	-	-	32,351
Calhoun	2,951	-	-	2,951	-	-	-	-	-
Champaign	309,307	6,252	2,351	264,767	26,547	3,733	244	796	4,616
Coles	94,519	5,145	387	73,593	3,483	4,272	245	782	6,612
Cook	2,596,360	198,296	187,166	1,570,814	316,731	113,623	26,985	78,077	104,668
Crawford	11,992	-	593	6,333	1,914	967	42	126	2,017
Dekalb	163,826	2,616	6,270	131,319	15,263	5,258	79	159	2,862
DuPage	1,789,423	146,684	40,080	1,263,869	208,891	59,191	466	30,971	39,271
Fulton	141,624	10,636	6,809	109,556	8,626	2,311	146	473	3,065
Gallatin	7,814	524	269	6,039	246	226	10	29	471
Grundy	30,191	1,575	-	22,099	3,205	1,202	70	224	1,816
Hamilton	14,815	964	642	10,645	1,237	478	28	88	734
Hancock	39,560	3,051	1,883	30,537	2,402	668	44	142	835
Henderson	15,478	1,196	735	11,944	940	262	17	56	327
Henry	107,562	4,243	3,727	91,468	1,707	2,516	162	527	3,212
Jackson	515,943	34,956	5,888	383,166	63,517	10,786	668	2,158	14,803
Jasper	52,325	4,594	1,536	33,857	8,898	1,055	46	138	2,201
Kane	726,264	92,852	28,355	457,515	85,578	37,153	-	11,558	13,253
Kendall	83,698	-	10,943	3,537	27,385	6,436	1,298	26,794	7,306
Knox	238,259	18,121	11,407	184,117	14,493	3,946	253	820	5,103
Lake	2,929,267	5,341	16,723	1,617,472	485,677	650,900	12,763	25,525	114,866
LaSalle	76,321	3,451	251	61,781	4,010	5,527	108	216	977
Lawrence	13,001	445	-	7,338	1,931	2,661	52	104	470
Livingston	106,626	3,161	1,415	87,769	3,186	4,053	240	764	6,038
Logan	22,752	2,994	2,624	14,343	1,784	309	13	40	645
Macon	154,822	11,549	-	124,554	4,093	5,476	334	1,073	7,743
Madison	164,318	12,637	3,826	132,683	4,009	4,409	287	933	5,534
Marshall	55,886	3,714	5,002	41,724	2,998	938	59	190	1,261
Mason	102,112	9,424	5,712	75,053	5,754	4,225	48	97	1,799
McDonough	120,391	8,901	5,777	93,266	7,340	1,955	122	396	2,633
McHenry	264,808	30,006	12,749	190,936	22,013	2,947	188	610	5,359

McLean	766,621	30,184	3,176	521,616	10,799	120,508	2,008	4,017	74,313
Mercer	68,323	5,054	3,282	52,931	4,163	1,111	70	226	1,488
Ogle	241,403	17,453	14,425	173,276	23,789	4,999	331	1,079	6,051
Peoria	55,524	456	6,560	24,350	11,860	9,956	195	390	1,757
Perry	41,150	4,475	-	29,278	1,662	2,075	121	386	3,153
Piatt	25,168	1,172	-	15,090	2,626	1,259	235	1,116	3,670
Richland	4,060	-	-	2,427	-	980	16	33	604
Schuyler	22,218	1,728	1,053	17,129	1,354	373	24	78	480
Stark	21,201	878	610	13,918	985	2,260	174	580	1,796
Stephenson	89,449	4,592	5,413	66,155	6,802	4,828	220	264	1,175
Tazewell	31,982	5,498	2,414	17,938	3,936	1,318	22	44	812
Vermillion	102,506	3,629	-	89,563	1,709	3,574	275	916	2,841
Warren	90,394	6,894	4,320	69,826	5,504	1,496	95	309	1,948
Washington	85,099	2,736	1,033	71,597	2,609	2,801	180	589	3,554
Wayne	66,138	2,270	1,699	48,062	1,647	7,476	124	249	4,611
Will	1,465,774	35,250	6,949	1,181,862	180,854	28,638	1,236	7,011	23,974
Winnebago	329,303	21,083	8,973	258,476	28,738	7,036	1,498	2,290	1,209

Total **14,699,627**

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