

HHW REPORTER

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3RD QUARTER 2023

NEWS AND PARTICIPATION STATS FROM
THE HOUSEHOLD HAZARDOUS WASTE CENTER

2023 Expected Closures:

August 7 - 12
(Youth Fair)

September 8 - 9
(Street Rod
Nationals)

November 7
(Election Day)

November 10 - 11
(Veteran's Day)

November 23 - 24
(Thanksgiving Break)

REMAINING 2023
SATURDAY COLLECTIONS
8:00am–12:00pm

October 14

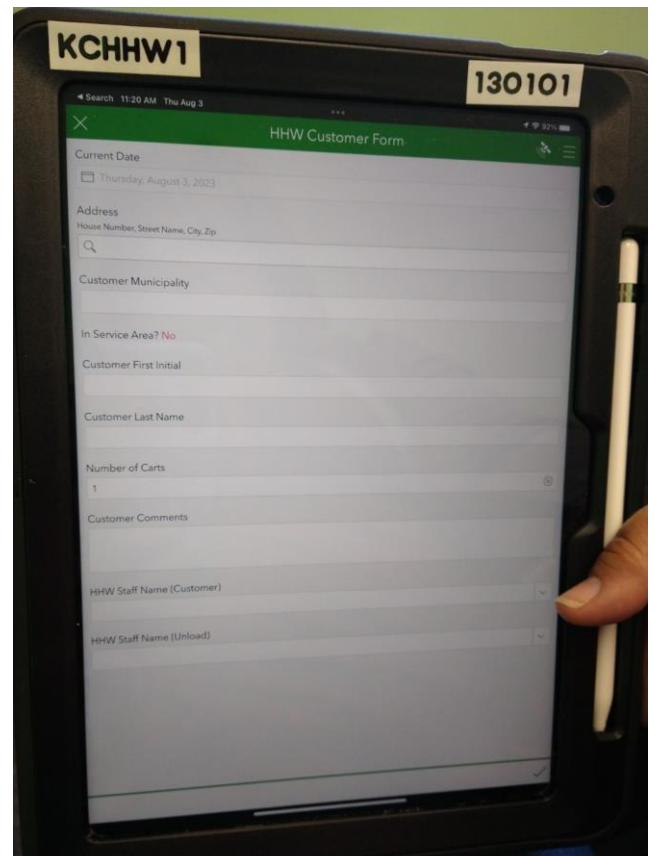
November 4

December 9

THE HHW CENTER GETS TECH SAVVY!

If you have visited the HHW Center lately, you will notice we are no longer writing addresses on paper. We recently worked with a local contractor to develop an address collection form on a tablet using an application called Survey123 in combination with the County's use of ArcGIS. This data quickly looks up an address on the mapping tool and provides confirmation of the municipality in which a resident lives while the resident is still at the HHW Center. This is helpful in case there is a question, such as a location of a new plat that we are unaware of. The data that is collected then goes to an Excel spreadsheet where reports and billing tables are automated. This new process has saved countless hours of verifying addresses as we no longer need to verify them in a street directory.

Another positive of this project is the mapping of data. We are going to be able target outreach to areas with low participation or send information to residents living in a well-head protection area that may not be utilizing our service. We are also working on a dashboard that will show real time maps of usage of the HHW Center. The possibilities are Just beginning!



**KALAMAZOO
COUNTY GOVERNMENT**
Health & Community Services Department

3RD QUARTER HHW CENTER PARTICIPATION



Municipality	July	Aug	Sept	3rd Quarter Total
Alamo Township	20	8	15	43
Almena Township	7	8	9	24
Antwerp Township	11	18	9	38
Augusta Village	3	2	4	9
Berrien County	19	7	3	29
Brady Township	15	13	31	59
Charleston Township	13	9	3	25
Climax Village	1	1	0	2
Comstock Township	73	80	87	240
Cooper Township	29	39	43	111
Galesburg City	5	2	3	10
Kalamazoo City	163	192	196	551
Kalamazoo Township	71	67	74	212
Oshtemo Township	65	62	55	182
Parchment City	3	5	4	12
Pavilion Township	25	34	21	80
Paw Paw Township	NA	NA	0	0
Portage City	185	164	192	541
Prairie Ronde Township	6	5	10	21
Richland Township	34	46	36	116
Richland Village	7	7	5	19
Ross Township	23	22	16	61
Schoolcraft Township	17	11	25	53
Schoolcraft Village	2	4	0	6
St Joseph County	6	1	3	10
Texas Township	59	66	54	179
Vicksburg Village	7	4	7	18
Wakeshma Township	1	4	2	7
Subtotal	870	881	907	2,658
Regular HHW Paying Customers	49	19	47	115
Electronics Paying Customers	8	11	31	50
Grand Total	927	911	985	2,823
Clean Sweep Customers	3	1	1	5



3RD QUARTER RECYCLING COST SHARE

BILLING PERIOD 7/01/23-9/30/23			
CONTRACTOR DISPOSAL COSTS		\$25,692.21	
ELECTRONICS RECYCLING		\$2,954.75	
TOTAL BILLING		\$28,646.96	
MUNICIPALITY	HOUSEHOLD EQUIVALENTS	PERCENT	TOTAL COST
ALAMO TOWNSHIP	43	1.62	\$465.87
ALMENA TOWNSHIP	24	0.90	\$257.08
ANTWERP TOWNSHIP	38	1.43	\$414.57
AUGUSTA VILLAGE	9	0.34	\$95.69
BERRIEN COUNTY	29	1.09	\$327.16
BRADY TOWNSHIP	59	2.22	\$618.09
CHARLESTON TOWNSHIP	25	0.94	\$279.78
CLIMAX VILLAGE	2	0.08	\$22.71
COMSTOCK TOWNSHIP	240	9.03	\$2,576.55
COOPER TOWNSHIP	111	4.18	\$1,185.34
GALESBURG CITY	10	0.38	\$109.22
KALAMAZOO CITY	551	20.73	\$5,918.47
KALAMAZOO TOWNSHIP	212	7.98	\$2,283.25
OSHTEMO TOWNSHIP	182	6.85	\$1,974.44
PARCHMENT CITY	12	0.45	\$129.01
PAVILION TOWNSHIP	80	3.01	\$870.72
PORTAGE CITY	541	20.35	\$5,823.92
PRAIRIE RONDE TOWNSHIP	21	0.79	\$221.81
RICHLAND TOWNSHIP	116	4.36	\$1,253.43
RICHLAND VILLAGE	19	0.71	\$207.30
ROSS TOWNSHIP	61	2.29	\$665.87
SCHOOLCRAFT TOWNSHIP	53	1.99	\$561.07
SCHOOLCRAFT VILLAGE	6	0.23	\$67.64
ST JOSEPH COUNTY	10	0.38	\$109.71
TEXAS TOWNSHIP	179	6.73	\$1,939.61
VICKSBURG VILLAGE	18	0.68	\$193.30
WAKESHMA TOWNSHIP	7	0.26	\$75.37
TOTAL	2,658	100.00	\$28,646.96

* THIS IS NOT A BILL - INVOICE WILL BE MAILED OUT AT A LATER DATE *





3RD QUARTER COLLECTIONS 2023

Inside a Single Use Vape Pen:

- **Nicotine-soaked filter**
- **Battery and some electronics**
- **Plastic case or sometimes metal**



NUMBER OF HOUSEHOLD EQUIVALENTS	2,658
NUMBER OF PAYING CUSTOMER EQUIVALENTS	165
NUMBER OF CLEAN SWEEP CUSTOMERS	5
ITEM(S)	POUNDS
ELECTRONICS FROM HOMEOWNERS	44,160
ELECTRONICS FROM PAYING CUSTOMERS	2,331
CHEMICAL WASTE FROM HOMEOWNERS *	29,508
CHEMICAL WASTE FROM PAYING CUSTOMERS *	4,893
ANTIFREEZE	4,750
COPPER WIRE	1,472
FIRE EXTINGUISHERS	1,853
OIL FILTERS	560
PESTICIDES	5,142
RECHARGEABLE BATTERIES	5,297
SCRAP METAL	321
USED MOTOR OIL	20,000
TOTAL POUNDS COLLECTED	120,287

* acids, aerosols, ammunition, bases, batteries (alkaline & lithium), cleaners, flammable liquids, flares, fluorescent bulbs, mercury, oil based paint, organic peroxides, oxidizers, PCB ballasts, poisons/toxics, 1-lb propane cylinders

Vapes, Chargers, and Other 'Invisible' E-Waste are a 9-Million-Ton Problem

"Invisible" e-waste — from disposable vapes to toys and tangles of cables — is piling up and robbing supply chains of valuable materials. A new analysis counts up all the small electronics people often don't recognize as e-waste, and the numbers are wild.

The weight of all the vapes tossed out annually across the world equals three Brooklyn Bridges, it estimates. Altogether, vapes and other small consumer items considered "invisible" weigh in at 9 billion kilograms (9 million metric tons) a year. That's like half a million dump trucks worth of (...) small electronics. Lined up bumper to bumper, those trucks would span from Nairobi to Rome.

The problem with trashing those items is that electronics often contain hazardous materials like lead or mercury that might leach out of landfills to contaminate soil and water. Hoarding the devices at home isn't ideal, either. If those items were recycled instead, manufacturers could recover literal gold and other precious materials. That cuts down e-waste and potentially even the need to mine for as much raw material.

To read the full story, visit:

<https://www.theverge.com/2023/10/11/23912751/vapes-chargers-invisible-ewaste-recycling>.

Author: Justine Calma, The Verge