

III. Inventories [ORC Section 3734.53(A)(1)-(4)]

The purpose of the inventory section is to identify the existing waste reduction and waste services operating in the District and to document the amount of waste source reduced, recycled, composted, incinerated and disposed in the reference year.

A. The Reference Year

The Reference Year is 2013.

B. Existing Solid Waste Landfills

Table III-1 lists six solid waste landfills used by the District in the reference year 2013. **Table III-7** In 2013 an out-of-state landfill was not used for District solid waste. The seven landfills accepted a total of 588 tons of solid waste in 2013. Information for in-district and out-of-district facilities was obtained from "Ohio Solid Waste Flows to Landfills & Incinerators in Ohio - 2013" compiled by Ohio EPA from data reported by owners and operators of licensed solid waste facilities in Ohio. Huron Lime Co. landfill is a captive facility that did not accept any waste in 2013 (the reference year), but is listed for future reference.

At the end of 2014, the Erie County Landfill had enough remaining capacity to continue operating for 32 years at the rate waste was accepted at the facility in 2014. Even if the incidental solid waste disposed at other landfills was redirected to the Erie County Landfill, the landfill would still provide more than adequate disposal capacity to the District for the entire planning period.

NASA's Plum Brook Station is bringing in contaminated soil to the Erie County Sanitary Landfill. NASA contaminated soils are estimated to total 45,000 tons by 2017.

C. Existing Incinerators and Resource Recovery Facilities

Table III-2 In 2013, there were not any incinerators for solid waste in operation in the District. Between 1995 and 1999, four of the six solid waste incinerators that were operating in the District, as reported in the District's previous plans, ceased operation. Providence Hospital, shown in Table III-2, ceased operation of its incinerator in May, 2000. The remaining incinerator at Firelands Regional Medical Facility, which was used for infectious waste only, not solid waste, closed in April, 2001.

In 2007 Firelands Regional Medical Facility disposed of medical waste with the company Stericycle. Stericycle is not located within the District, but does operate an incinerator. The District was unable to acquire the amount of material from Firelands Regional Medical Facility that was incinerated by Stericycle.

D. Existing Transfer Facilities

Table III-3 Only one transfer facility was in operation in the District during 2013.

The Kelleys Island transfer facility consists of a compactor box, which is transported to the Erie County Landfill for disposal. It is operated by the Village of Kelleys Island.

The Republic Waste Services (Allied Waste) (BFI) Sandusky Transfer Facility is not publicly available and is currently not in use as a transfer station. Therefore, in 2013 they did not receive solid waste from Erie County in 2013 at the Sandusky Transfer Facility. This facility, however, is used for a recycling transfer facility for Republic to transfer recycling from Erie and surrounding counties to their Oberlin and/or Michigan recycling facilities.

The District receives waste from the Huron County Transfer Station. The Huron County Transfer Station and the Erie County Sanitary Landfill have a 5 year contract in place with the first year beginning in 2014. The tonnage coming in from Huron County is 30,000-35,000 tons annually. The District does not receive Generation fees on this waste as it is coming in from Huron County.

E. Existing Recycling and Household Hazardous Waste Collection Activities

Table III-4 lists the curbside recycling programs operating in the District in 2013, and **Table III-5** lists drop-offs, buybacks, hauler collections, other recycling activities and household hazardous waste (HHW) collections operating in 2013. The sources of data in Tables III-4 and III-5 include the City of Huron, tonnages reported by contractors of hauling services, contractors of special collections, and a mail survey of haulers and processors conducted in January, 2014 on materials recycled in 2013.

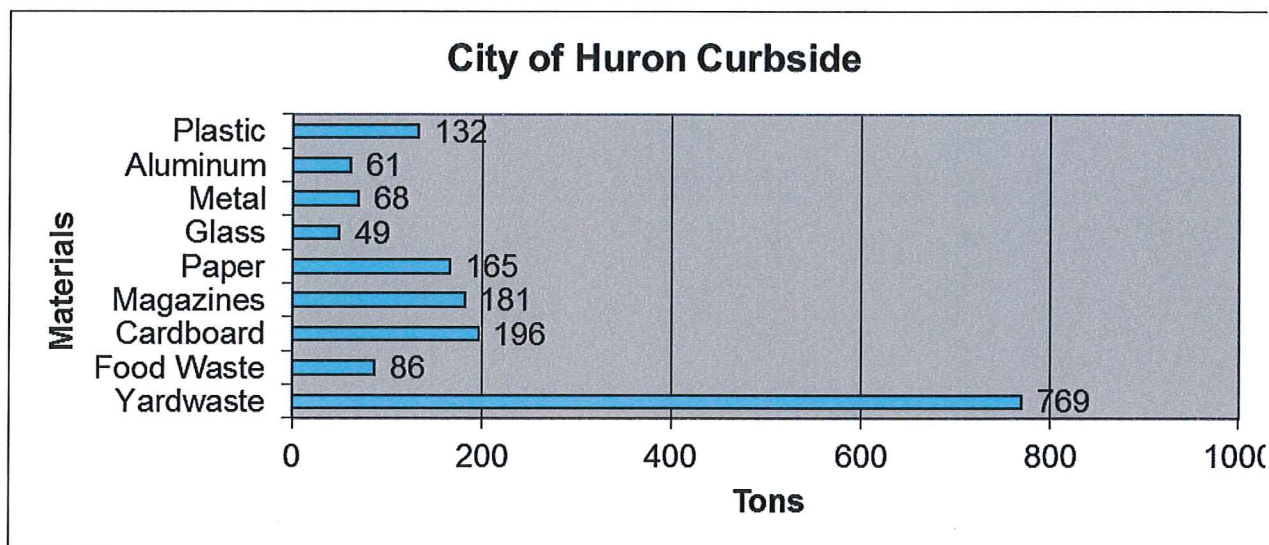
The statistics used to generate Tables III-4 and III-5 came from Annual District Reports (generated by annual surveys), District statistics, and the Annual Composting Report Barnes Nursery sends to Ohio EPA.

Residential Curbside Recycling

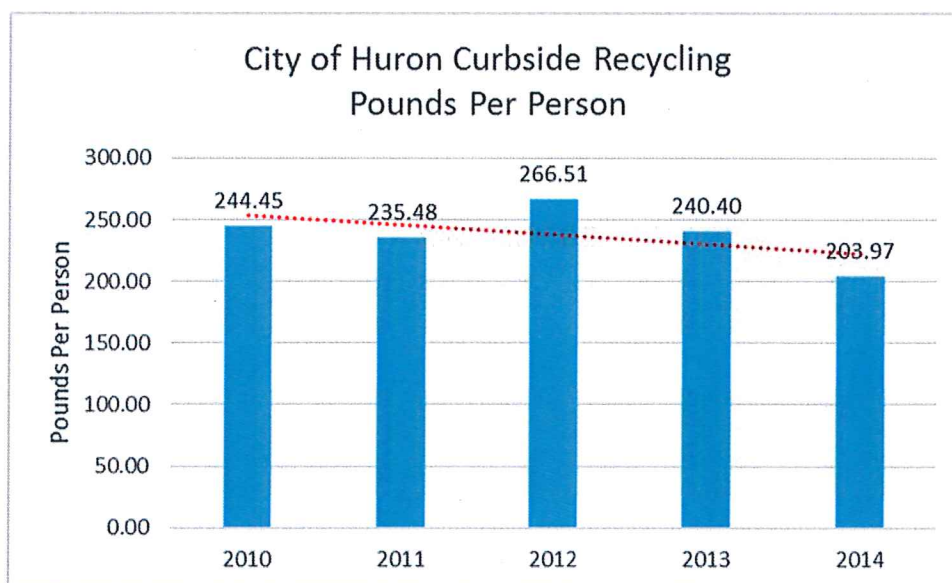
Non-Subscription Curbside Recycling

In 2013, only one political subdivision in the District, the City of Huron, contracted for solid waste collection and curbside recycling service for all residents. All other political subdivisions, including the largest city, Sandusky, relied on private haulers to provide curbside trash collection.

Fultz & Sons Inc. was the only hauler operating in the District that provided contracted curbside recycling service in 2013 to the City of Huron. A reported 949.50 tons of recyclables/yard waste/food waste were collected in 2013 through the City of Huron curbside program. Fultz & Sons Inc. was bought out by Republic Waste Services in late 2014.



The City of Huron has the best performing curbside program in the District with City Residents recycling 240 pounds per person in the reference year. Here is a breakdown of the pounds per person over the last 5 years:



The District is showing a steady decline in pounds per person in the City of Huron curbside recycling program, which can be explained by the steady decline in population.

Subscription Curbside Recycling

Subscription curbside services was available to residents in the City of Sandusky, Perkins Township, Margaretta Township, Huron Township, and Berlin-Milan by both Republic Waste Services and Fultz & Sons Inc. A total of 607.80 tons was collected through the subscription curbside recycling services.

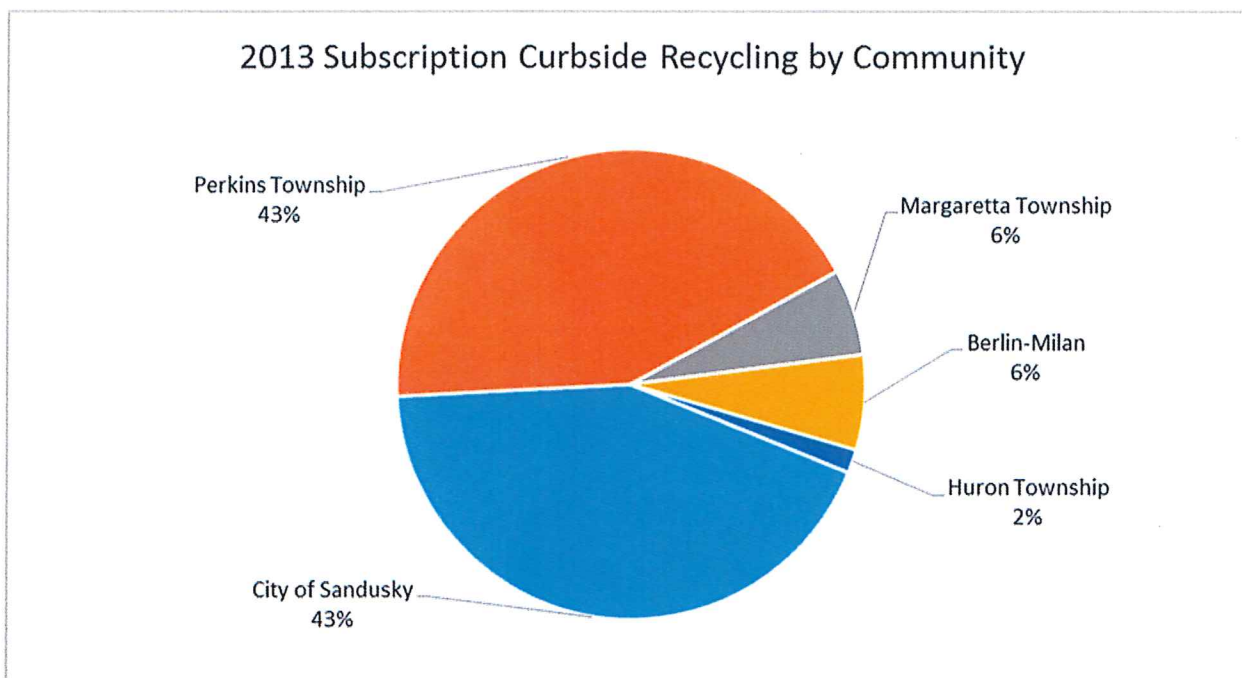
The Service Area is determined by the hauler routes, which is why the information is a little different from what was reported in the Annual District Report and the Implementation Schedule, and is as follows:

- Margaretta Township includes: Margaretta Township, Village of Bay View, and the Village of Castalia
- Berlin-Milan includes: the Village of Berlin Heights, the Village of Milan, Milan Township, and Berlin Township
- Perkins Township includes: Perkins Township
- City of Sandusky includes: City of Sandusky
- Huron Township includes: Huron Township

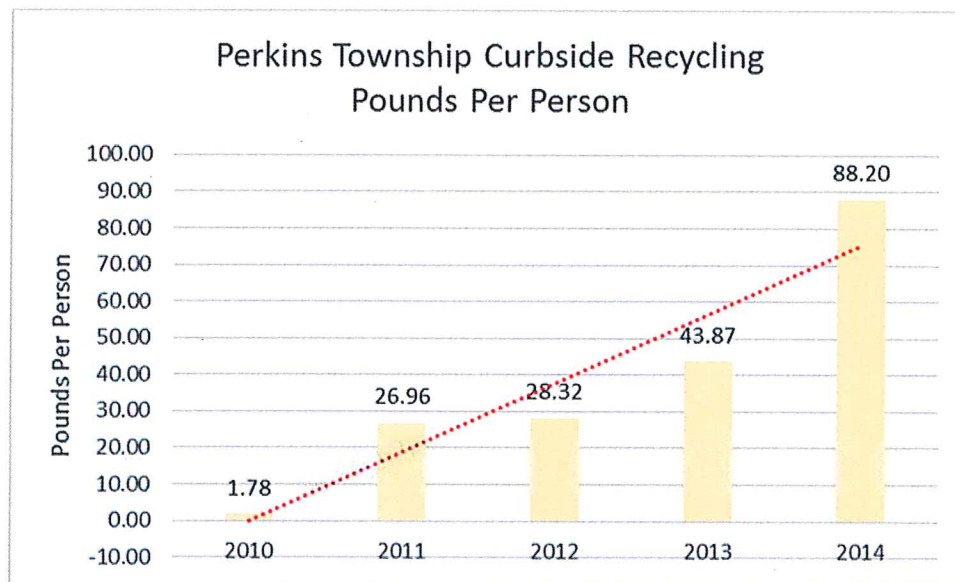
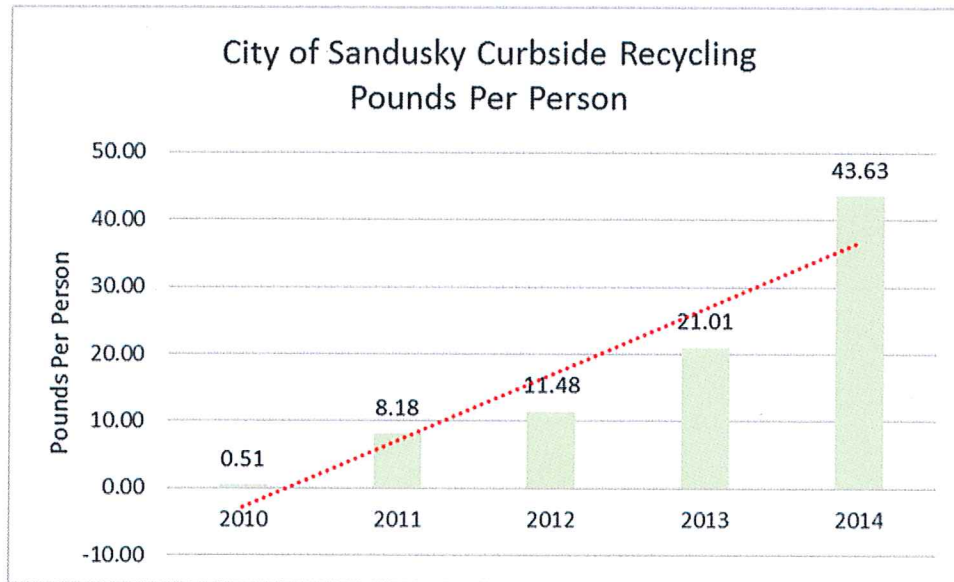
Subscription Curbside Recycling was established in 2010 during the District's last Plan update. The District highly publicized that they would be unable to provide the 14 drop-off recycling locations they currently offered. The expenses increased by 40% from 2008-2009 and the recession hit that following year. The District asked communities to contract out for curbside recycling and trash services. The two largest communities as well as a Village attempted to contract this service. All communities involved were met with residents resisting the idea as they had the right to choose how to handle their waste.

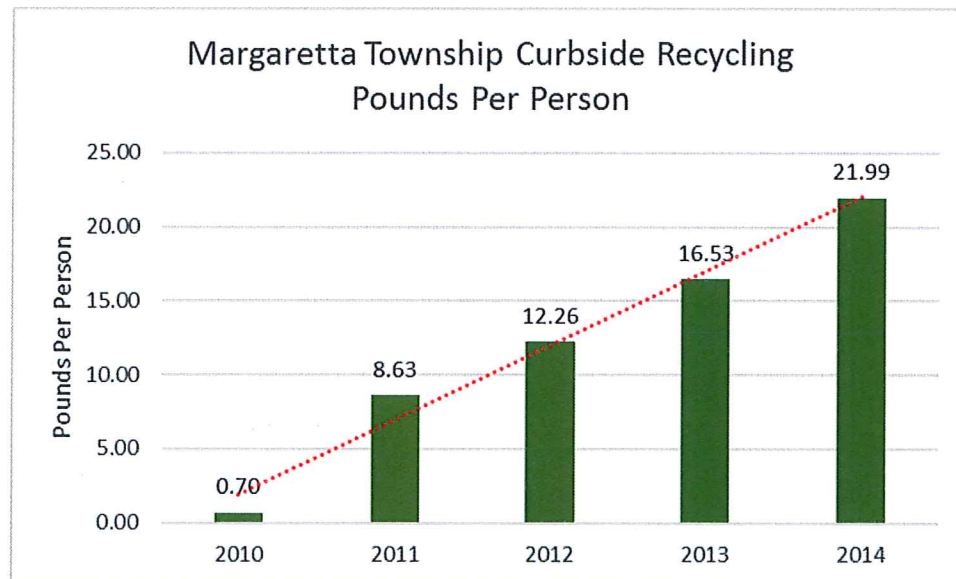
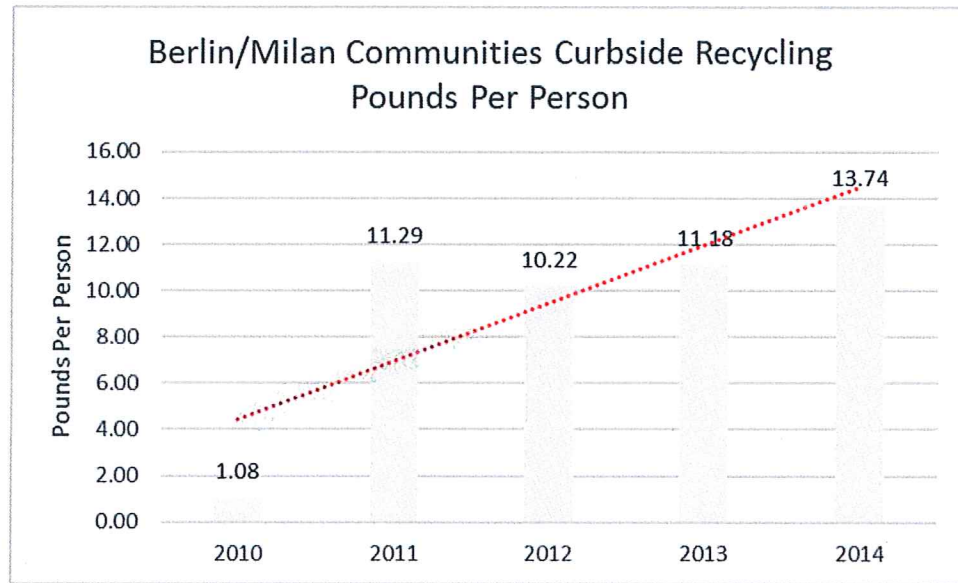
The three largest haulers decided to offer programs in the more urban areas of Erie County providing curbside trash and recycling services at one low fee. Over five years the program has grown in each community, but the best results continue to be in the City of Huron where the service is contracted.

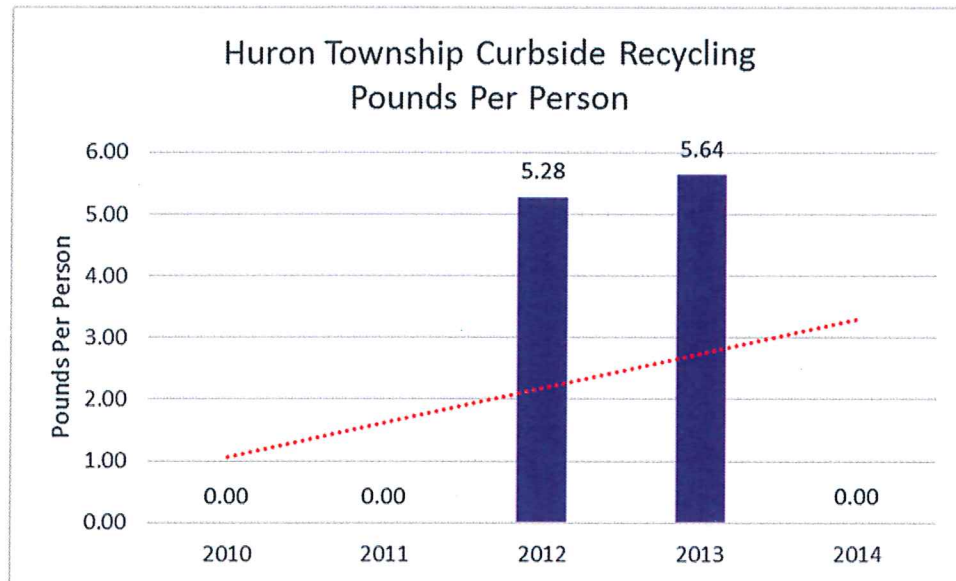
The subscription curbside recycling chart shows the involvement by community.



Here are charts with pounds per person by community for 2010-2014.





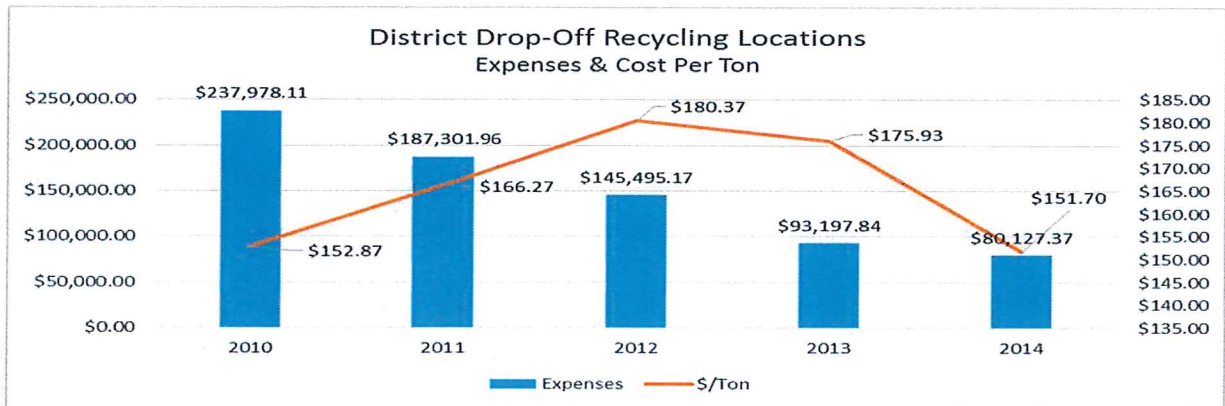


The chart above shows the pounds per person for Huron Township. Huron Township briefly had an agreement with the City of Huron to allow their residents to join their non-subscription program. The City of Huron promoted the program offer to the residents of Huron Township in late 2011 to sign up for 2012 services. Low participation of the program was not what the City anticipated and the program was discontinued after 2013. Many Huron Township residents called the District to state that the reason for the low participation was due *“to lack of promotion by the City and the Township to the residents”* many of the residents stated that *“they had no idea the program was even available.”*

Drop-Off Locations

District Drop-Off Locations

In 2013, the Solid Waste District operated a drop-off program at five sites within the county. In 2014, the Berlin Township location was removed per the request of Berlin Township taking the District operated sites down from five to four. Each site was unmanned and available to the public 24 hours a day, seven days a week. The District contracted with two private haulers, FSI Disposal (later bought out by Republic Waste Services in late 2014) and Sandusky Steel & Supply Co. for hauling and processing of the materials. The District collected 529.75 tons of material at the five sites.



The chart on the previous page reflects the District operated Drop-Off Recycling program over the past five years. The following should be noted when analyzing the chart:

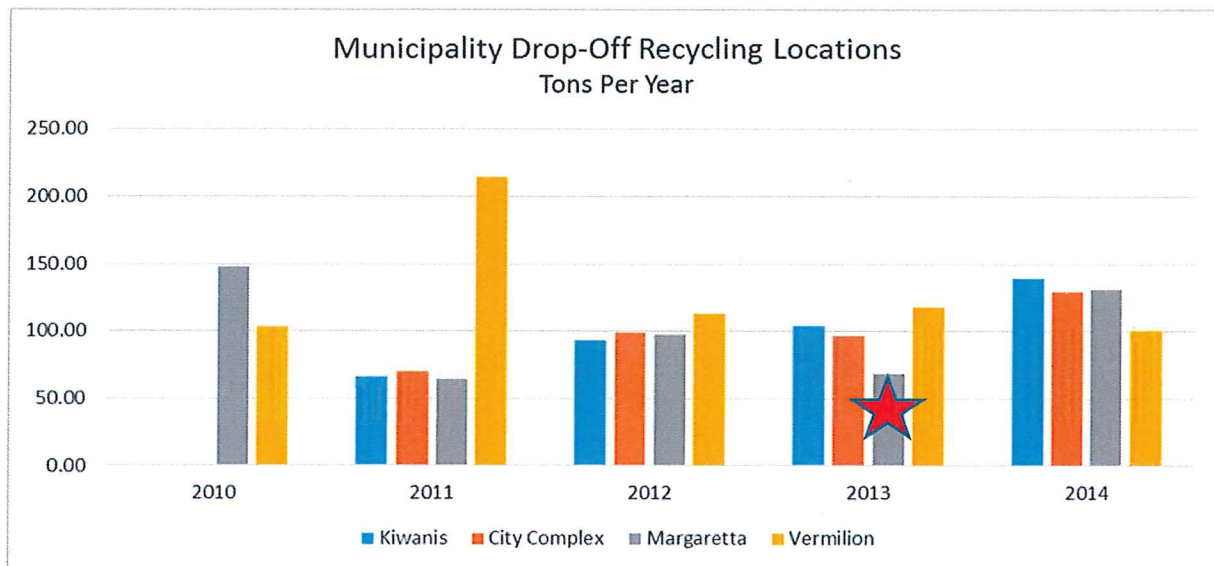
- In 2010, the District went from 14 drop-off locations to 8 drop-off locations
- Removal of other locations:
 - 2011 – removed the Care Facility
 - 2012 – removed the Erie County Services Center (the largest location)
 - 2013 – removed the Osborn MetroPark location
 - 2014 – removed the Berlin Township location

Community Drop-Off Locations

When the District announced the removal of several of the drop-off recycling locations many of the communities decided to take over operation of their drop-off recycling location. Vermilion Township was the first community in Erie County to take over operation of their drop-off recycling location. They provided infrastructure updates to include 2-40 yard roll off containers fitted with compaction units. By adding the compactors to the front of the roll off containers the Township decreased pick-ups and increased the ton per pick up 7:1.

Margaretta Township was the next community to operate their own drop-off recycling location and traded in the roll off containers for front end loaders. This made it easy for FSI Disposal to pick up their recycling when they were on their way back from Huron headed to Clyde and provided the service at no cost to the Township. The star on the below chart indicates that the District did not receive the fourth quarter report for 2013 and that total is inaccurate but unknown.

The City of Sandusky was offered free pick-up service by FSI Disposal if they switched from roll off containers to front loading containers. The City of Sandusky reinstated their 2 drop-off recycling locations in 2011.



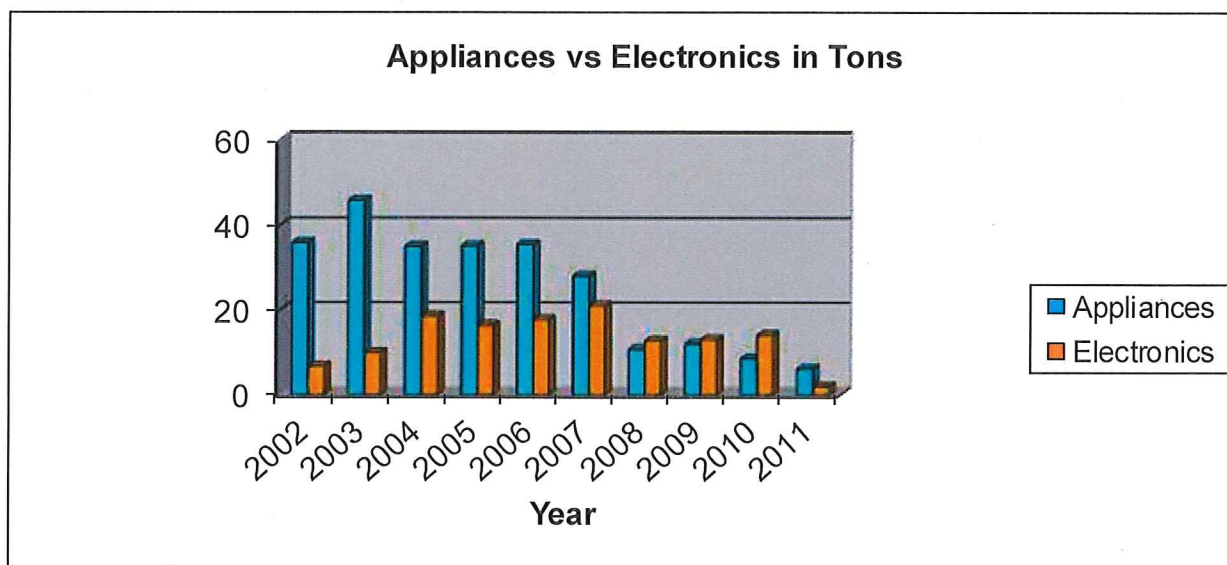
Scrap Metal & Appliances

In addition to the District drop-off site for cans, glass, plastic and paper, the Erie County Sanitary Landfill maintained a permanent drop-off site for scrap metal, appliances and batteries.

Appliance & Electronics Round-Up Events

The Solid Waste District used to hold one day county-wide collection for appliances, and electronics. The District has reported a decrease of appliances from 2007 to 2011, and 2011 was the last year the District accepted appliances at a one day collection.

The decrease was due to scrap prices continuing to rise and residents have been taking their appliances to the scrap yards for the value.



The District has also revamped the electronics collections to accept more material over the course of the year instead of a one day collection. The District partnered with the Volunteer Center of Erie County in 2012 to provide an ongoing collection for electronics. The Volunteer Center allows for pick-up or drop-off service of electronics to Erie County Residents. The District advertises the collection protocol and pays for the recycling of televisions and monitors. Even with paying for the televisions and monitors the District is spending less than when they operated the program. The chart below shows the last two years (2010 & 2011) the District operated a one-day collection. 2013 – 2014 shows the new program in cooperation with The Volunteer Center of Erie County.

Appliance & Electronics Collections					
Year	2010	2011	2012	2013	2014
Appliance Tons	8.55	6.11			
Electronic Tons	14.03	2.00	87.98	18.98	29.27
Total Tons	22.58	8.11	87.98	18.98	29.27
Expenses	\$5,579.53	\$943.55	\$859.60	\$660.00	\$1,980.00
\$/Ton	\$247.10	\$116.34	\$9.77	\$34.77	\$67.65
Cars	250	199	153	192	200

Community Grants

The District also offered incentive funds in the form of Community Cleanup Grants to Erie County political subdivisions. Grant funds could be used for collecting and recycling tires, antifreeze, lead acid batteries, appliances, scrap metal, bulky materials, electronic equipment, and/or household hazardous waste. Each of the townships, villages, and cities could apply for \$1,000. Each community provided funding for costs that exceeded the grant amount. Eleven communities conducted events in 2014, recycling 42 tons of materials, utilizing \$11,000 in District Funds.

Ink Jet & Cell Phone Recycling

In 2013, Serving our Seniors operated the ink jet recycling program for the District. Tonnages for this program for this year are unknown. Serving our Seniors plans on handling this program in the future. The ink jets provide the Serving our Seniors with additional revenue to fund their programs.

During 2013 the District promoted a variety of cell phone re-use and recycling programs through other agencies. Some of these agencies include: Police Departments within Erie County, the Boys & Girls Club of Sandusky, Staples, and Alltel. The quantity of cell phones re-used or recycled by way of this program is unknown.

Buybacks, Recycling Centers and Scrap Yards

The District maintains two contracts for the drop-off recycling locations; Republic Waste Services for mixed recycling and Sandusky Steel & Supply Company for cardboard and paper contract. Republic Waste Services operates a transfer recycling center in Sandusky County that transfers the recycling to their Oberlin Facility or their Michigan Facility depending on the markets and materials. Mixed recyclables from the Huron curbside recycling program and the District drop-off program were processed at Fultz & Sons Inc. (Sandusky County).

Two scrap yards operate in the District, Galloway Brothers and Sandusky Steel & Supply. Both buy aluminum cans, scrap metal, white goods and autos. Sandusky Steel & Supply also purchases non-ferrous scrap and lead acid batteries, and processes various grades of paper. Newspaper, corrugated cardboard, mixed paper and magazines from the District drop-off program are processed at Sandusky Steel. Galloway Brothers recycles metals, batteries, and propane tanks.

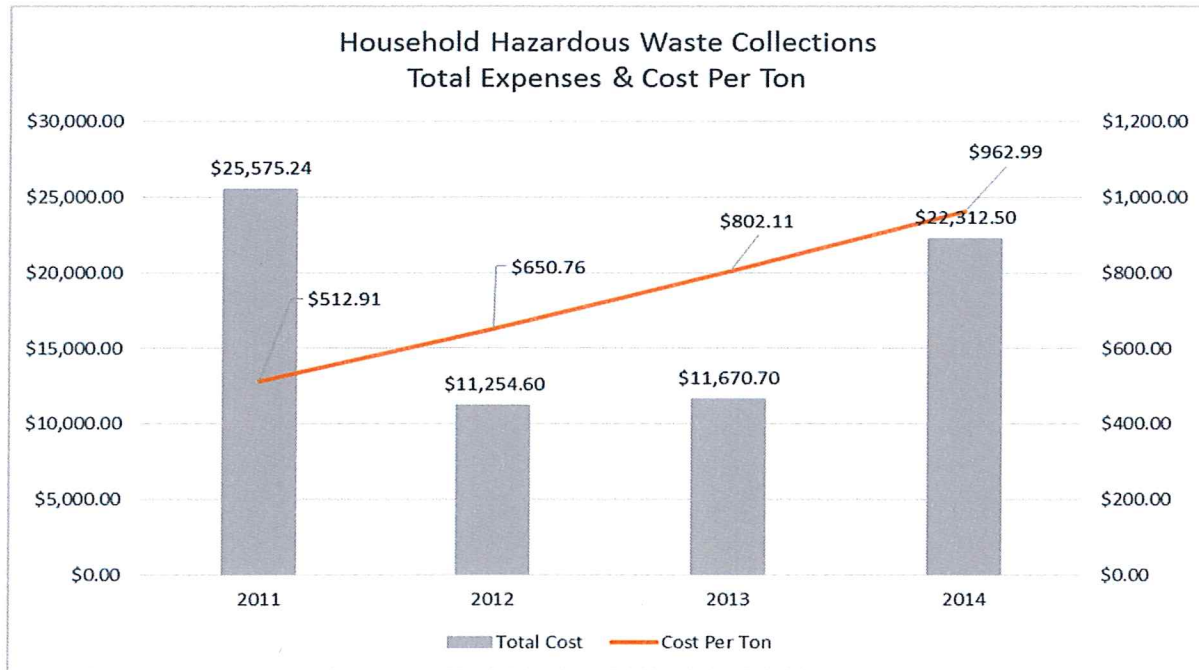
HHW Collection Programs**Battery Recycling History**

In 1997, the District established a Household Battery Recycling program in partnership with six stores in Erie County. The stores accept household batteries of all types from the public in buckets provided by the District. The stores ship the batteries to Battery Solutions in Wayne, MI for processing. The District reimburses the stores for shipping costs, and pays Battery Solutions for the cost of recycling the batteries. In 2007, 2.46 tons of batteries were recycled through this program. In 2009, the District revamped the program to pay a contractor to pick up 12 sites throughout Erie County on a regular basis. This freed up staff time for the District and was less expensive than shipping the batteries. In 2013, the District collected 3.78 tons of batteries.

Household Hazardous Waste Collections

The District previously held one day collections for Household Hazardous Waste. In 2012, the District revamped the program to hold five once a month collections per year from June-October last Saturday of each month. This was due to the overwhelming participation in 2011 when 700 cars with 99,000 pounds of material showed up in two hours and the District had to turn residents away. Since the new system has been in place; the attendance, materials, and cars are steady.

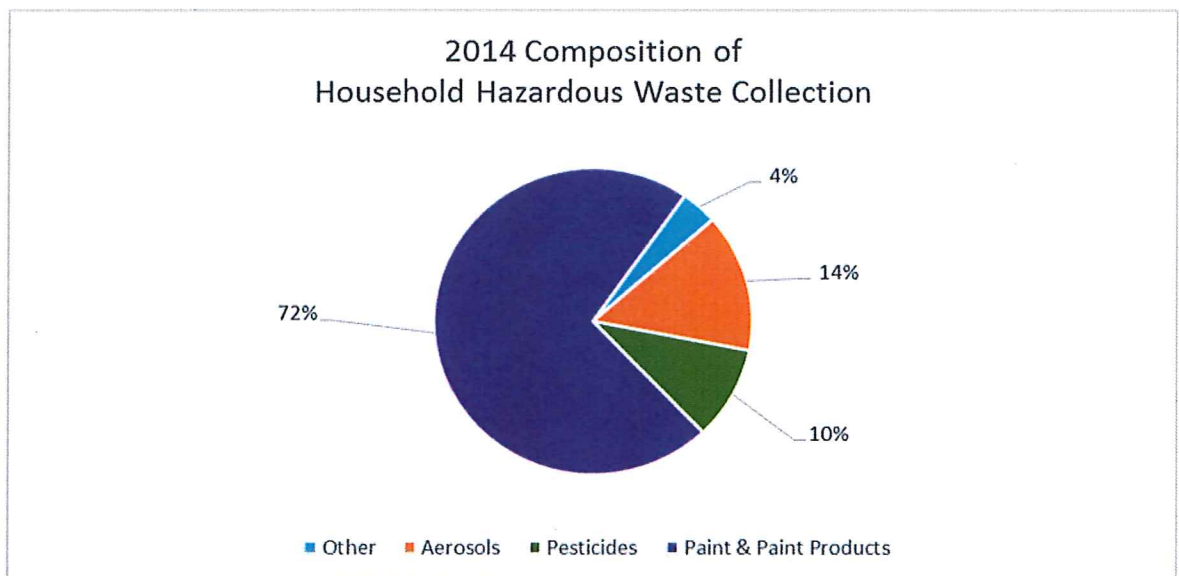
In 2013, the District held five Household Hazardous Waste HHW Collections in 2013. The collection materials totaled 14.55 tons with 216 cars in attendance costing the District \$11,630.70. In 2014, the District seen an increase in tonnage and cost. The increase was due to a local business that was caught using the service and was told to contact the contractor directly and not to use the residential collection again.



Notes for the chart above:

- 2011 was the last 1-day collection and the last one day collection before that was 2007
- 2012-Present residents have the ability to bring HHW five times a year
- In 2014, a contractor was caught using the residents program and asked to leave. The District sent him list of registered contractors

A breakdown of what the District received in 2014 is shown below. Paint continues to be the largest amount of material coming to the HHW collections. The majority of the paint is latex. The District plans to include more information on how to properly dispose of latex paint at home.



Surveys

Commercial Businesses and Industries in Erie County fill out an annual survey of materials recycled to better aid the District in reporting to Ohio EPA. The following tons of material not credited by Ohio EPA or reflected in the charts above but the survey did show that for 2013 materials indicated that the Commercial Businesses recycled 1,185.90 tons of household hazardous waste including batteries, tires, oil filters, paints, and solvents not previously counted by the District in the above paragraph. Erie County Industries recycled 32.88 tons of household hazardous waste, specifically tires.

F. Existing Composting/Yard Waste Management Facilities

Table III-6 lists the composting and yard waste management programs operating in the District in 2013. Four compost facilities located in the District were registered with Ohio EPA. One Class II facility, Barnes Nursery Yard Waste Recovery, is available to the public. It is used extensively by political subdivisions for disposal of leaves, and composts several industrial by-products including foundry sand, pallets and grain from area businesses. Of the remaining registered composting facilities two are registered as Class III and two are registered Class IV. All the Class III and IV facilities compost materials generated by their business and are currently for private use. In 2013, the District had the following composting/yard waste activities:

	<u>Yard Waste</u>	<u>Food Waste</u>	<u>Other Waste</u>
Barnes Nursery	4,121.52	910.97	3,628.21
Sparky Weilnau Farms	487.33		
Ninke Lawn Service	518.00		
City of Bellevue WWTP	49.35		

The above information was taken from Ohio EPA's

A number of political subdivisions collect leaves or brush seasonally and manage the material through Barnes Nursery or a variety of land application scenarios. For leaves reported in cubic yards the formula used to convert to tons is as follows:

$$\text{Cubic Yards} \times 1.5 = \text{Tons}$$

The conversion is used by standard engineering practices when measuring soils.

The City of Huron contracts for curbside yard waste collection (optional) as part of its trash and recycling contract. Residents may choose to pay for weekly yard waste collection from April through October. A total of 769.44 tons of yard waste and 85.50 tons of food waste were received in 2013 by Barnes Nursery & Composting Facility.

After reviewing the 2010 Erie County Solid Waste Management Plan, the District noticed that the tonnages have decreased dramatically for the City of Huron's curbside collection as shown below:

<u>Reference Year for Plan</u>	<u>2007</u>	<u>2013</u>
Yard Waste	7,696.00 tons	769.00 tons
Food Waste	484.00 tons	85.50 tons

The District is unsure of the dramatic tonnage decrease in the past six years.

G. Existing Open Dumps and Waste Tire Dumps

Table III-8 the Erie County General Health District indicated that there were no open dumps in operation in 2013. The Erie County General Health District has responsibility for investigating complaints regarding open dumps, tire dumps and other solid waste nuisance complaints.

H. Ash, Foundry Sand, and Slag Disposal Sites

As indicated in **Table III-9**, no unlicensed and un-permitted ash, foundry sand, or slag disposal sites, either in-district or out-of-district are used by the district. District industries producing ash, foundry sand or slag for disposal utilize permitted facilities.

I. Existing Collection Systems - Haulers

Table III-10 indicates the solid waste haulers operating in the District during 2013. Information regarding solid waste haulers was compiled from records of the Erie County General Health District, which is contracted by the City of Sandusky to license solid waste haulers operating within the City.

Curbside collection of source separated yard waste is available weekly to residents of the City of Huron on a subscription basis from April through October. The city contracts with a private waste hauler for collection and delivery to Barnes Nursery's Regional Compost facility. Outside the City of Huron, residents may haul their own yard waste to Barnes Nursery or arrange for pickup "on-call" by several of the licensed solid waste haulers or yard maintenance businesses. The City of Sandusky provides brush pickup several times throughout the spring and summer and delivers material to Barnes Nursery. The larger political subdivisions collect leaves from residents using their own equipment and personnel in the fall, and manage the material by means of Barnes Nursery or land application.

Table III-1

Landfills Used by the District

Facility Name	Type of Landfill	Location			Waste Received from the SWMD (TPY)					
		County	ST	Asbestos	Residential/Commercial	Industrial	CD/D	Exempt	Unknown	Total
In-district facilities										
Erie County Sanitary Landfill	PA, GO, PD	Erie	OH		73,716.00	9,344.00	15,397.00	21.00		98,477
Huron Lime Co. Landfill	C, PO	Erie	OH							0
										0
Out-of-district facilities										0
Republic Waste Services/Lorain County Landfill	PA, PO	Lorain	OH				1.00			1
Republic Waste Services Ottawa County Landfill	PA, PO	Ottawa	OH	525	63.00	6,005.00	1,830.00			8,424
WM Evergreen Rec. & Disposal	PA, PO	Wood	OH	7	8.00	3.00	26.00			45
Geneva Landfill							5.00			5
Hancock County Sanitary Landfill	PA, PO			2						2
Sunny Farms LF	PA, PO	OSS	OH		1.00		137.00			138
Out-of-state facilities										
None										
Totals				534	73,788.00	15,352.00	17,396.00	21.00	0.00	107,092.00

- 1 Facility name as it appears on daily logs or Ohio EPA's list of "Licensed Solid Waste Facilities in Ohio."
 - 2 To indicate type of landfill, enter "PA" for publicly-available or "C" for captive; enter "GO" for government-owned or "PO" for privately-owned; and "PD" for in-district facilities with public debt
 - 3 "Residential/Commercial" includes asbestos, other and general solid waste. "Industrial" means any non-hazardous residue resulting from an industrial or manufacturing process. "Exempt" means materials such as construction and demolition debris and non-toxic foundry sand.
- Assumptions:
- Source(s) of Information: In-district and out-of-district facilities data from "Ohio Solid Waste Flows to Landfills and Incinerators - 2013" prepared by Ohio EPA, Erie County Sanitary Landfill Tonnage Report 2013

Table III-2

Solid Waste Incinerators and Waste-to-Energy Facilities Used by the District

Facility Name	Type of Facility	Location		Waste Received from SWMD (TPY)				Bypass Waste Received	Total Ash Produced (TPY)
		County	ST	Waste Incinerated			Total		
In-district facilities				Residential/Commercial	Industrial	Exempt			
None									
Out-of-district facilities									
None									
Out-of-state facilities									
Stericycle							Unknown		

- 1 To indicate type of incinerator enter "PA" for publicly-available or "C" for captive; enter "WTE" for waste-to-energy facility, and "PD" for in-district facilities with outstanding public debt
- 2 "Residential/Commercial" includes asbestos, other and general solid waste
- 3 Enter the amount of "bypass waste" (typically bulky wastes which are not burned) in parenthesis for each facility
- 4 Include the tons of additive (lime, sand, chemicals, etc.) mixed with the ash prior to disposal at a landfill. If the facility fails to provide the amount of ash produced, convert "Total Waste Received" (TWR) to "Total Ash Produced" by multiplying TWR by 0.32 to determine the tons of ash.

Assumptions:

Source of information: SWMD Surveys of Erie County businesses holding OEPA air pollution control permits for incineration of solid waste
Firelands Hospital

Table III-3

Solid Waste Transfer Facilities Used by the District

Facility	Type of Facility	Location		Waste Received from the SWMD (TPY)				Recyclables Processed (TPY)	
		County	ST	Residential/Commercial	Industrial	Exempt	Total	Recovered from Waste	Total
Kelleys Island Transfer Station	PA	Erie	OH	79.00			79.00		
Allied Waste Transfer Facility Not in service		Erie	OH				0.00		
Total				79.00	0.00	0.00	79.00	0	0

- 1 To indicate type of transfer facility, enter "PA" for publicly-available or "PUO" for private use only; and "PD" for in-district facilities with public debt
- 2 "Residential/Commercial" includes asbestos, other and general solid waste.
- 3 Includes both the amounts recovered from mixed solid waste and source-separated recyclables

Assumptions

Source(s) of information: "Ohio Solid Waste Flows to Transfer Facilities in Ohio - 2013" prepared by Ohio EPA
Ohio EPA Reports completed by Department of Environmental Services Staff

Table III-4 Residential Curbside Recycling Activities Used by the District

Curbside Recycling Name Address Phone Number	Type of Curbside	# of Households Served	Frequency of Collection	Average # of Households Participating	Service Area	Types of Materials Accepted	Recyclables Processed from the SWMD (TPY)
City of Huron 417 Main Street Huron, OH 44839 419-433-5000	NS	2,818	Weekly	75%	City of Huron	Cardboard, Newspapers, Magazines, Office Paper, Glass, Steel Cans, Aluminum Cans, Plastic #1-#7 no Styrofoam	850.00
Huron Township 1820 Bogart Road Huron, OH 44839 419-433-2755	NS	1,445	Weekly	Unknown	Huron Township	Cardboard, Newspapers, Magazines, Office Paper, Glass, Steel Cans, Aluminum Cans, Plastic #1-#7 no Styrofoam	10.08
City of Sandusky 222 Meigs Street Sandusky, OH 44870 419-627-5850	S	10,138	Weekly	Unknown	City of Sandusky	Cardboard, Newspapers, Magazines, Office Paper, Glass, Steel Cans, Aluminum Cans, Plastic #1-#7 no Styrofoam	266.17
Perkins Township 2610 Columbus Avenue Sandusky, OH 44870 419-609-1400	S	4,764	Weekly	Unknown	Perkins Township	Cardboard, Newspapers, Magazines, Office Paper, Glass, Steel Cans, Aluminum Cans, Plastic #1-#7 no Styrofoam	264.55
Margaretta Township 114 Main Street Castalia, OH 44824 Includes: Margaretta Township, Village of Castalia, Village of Bay View	S	2,362	Weekly	Unknown	Includes: Margaretta Township, Village of Castalia	Cardboard, Newspapers, Magazines, Office Paper, Glass, Steel Cans, Aluminum Cans, Plastic #1-#7 no Styrofoam	36.76
Berlin-Milan Includes: Berlin Township Berlin Heights, Milan Township, Village of Milan	S	3,031	Weekly	Unknown	Includes: Berlin Township, Berlin Heights, Milan Township, Village of Milan	Cardboard, Newspapers, Magazines, Office Paper, Glass, Steel Cans, Aluminum Cans, Plastic #1-#7 no Styrofoam	40.32
Total		24,558					1,468.31

- 1 Please include the name, mailing address, and phone number for each curbside recycling program listed.
 - 2 Enter "NS" for curbside programs paid for by a governmental entity, or non-voluntary programs in which residents are required to pay directly for the service; enter "S" for curbside programs which are paid for directly by the resident on a voluntary basis.
 - 3 SWMDs may use population instead of number of households if this information is more readily available.
 - 4 If available, provide the average number of households which participate in the curbside program during any given collection period. Population may be used instead of households.
 - 5 If available, enter a separate line of information for each material accepted and processed by the activity.
 - 6 Doubling-counting of materials should not be addressed in this table. List all reported amounts in this table; do not include projected or extrapolated amounts. If totals for a given facility have not been shown due to confidentiality concerns, please indicate such.
- Source(s) of information: City of Huron, Hauler and Processor survey - November, 2013-March 2014

Table III-5. Drop-offs, Buybacks, Hauler Collection, Other Recycling Activities and HHW Collection Used by the District

Facility/Activity Name, Mailing Address, Phone	Type of Facility or Activity	Types of Materials Accepted	Service Area			Hours Available to Public	Recyclables Processed from the SWMD (TPY)	% of Material from Sector:		Processing Capacity (tons)	
			County	Townships/ Cities	Population Served			Residential-R Commercial-C	Industrial-I	Daily (TPD)	Annual (TPY)
Erie County Solid Waste Management District Operated Drop-Off Recycling Locations											
Berlin Township 40 E. Main Berlin Heights, OH 44814 419-433-7303	PA, DO	Cardboard, Newspapers, Magazines, Office Paper, Steel Cans, Aluminum Cans, Glass, Plastic #1- #7 no Styrofoam	Erie	Berlin Twp Village of Berlin Heights	3,677	24 hours a day 365 days a year	110.08	R, C	N/A	N/A	
Erie County Landfill 10102 Hoover Road Milan, 44846 419-433-7303	PA, DO	Cardboard, Newspapers, Magazines, Office Paper, Steel Cans, Aluminum Cans, Glass, Plastic #1- #7 no Styrofoam	Erie	All of Erie County Milan Twp, Village of Milan	3,900	24 hours a day 365 days a year	148.23	R, C	N/A	N/A	
Groton Township 9414 Portland Road Castaia, 44824 419-433-7303	PA, DO	Cardboard, Newspapers, Magazines, Office Paper, Steel Cans, Aluminum Cans, Glass, Plastic #1- #7 no Styrofoam	Erie	Groton Twp	1,399	24 hours a day 365 days a year	83.02	R, C	N/A	N/A	
Florence Township Florence Wakeman Rd Wakeman, 44889 419-433-7303	PA, DO	Cardboard, Newspapers, Magazines, Office Paper, Steel Cans, Aluminum Cans, Glass, Plastic #1- #7 no Styrofoam	Erie	Florence Twp	2,409	24 hours a day 365 days a year	82.65	R, C	N/A	N/A	
Osborn MetroPark 3910 Perkins Avenue Huron, 44839 419-625-7783	PA, DO	Cardboard, Newspapers, Magazines, Office Paper, Steel Cans, Aluminum Cans, Glass, Plastic #1- #7 no Styrofoam	Erie	Huron Twp	3,612	24 hours a day 365 days a year	293.28	R, C	N/A	N/A	
Oxford Township Mason Road Monroeville, 44847 419-433-7303	PA, DO	Cardboard, Newspapers, Magazines, Office Paper, Steel Cans, Aluminum Cans, Glass, Plastic #1- #7 no Styrofoam	Erie	Oxford Twp	1,188	24 hours a day 365 days a year	105.77	R, C	N/A	N/A	

Erie County Community Operated Drop-Off Recycling Locations									
Margaretta Township East Lucas Street Castalia, 44824 419-684-9500	PA, DO	Cardboard, Newspapers, Magazines, Office Paper, Steel Cans, Aluminum Cans, Glass, Plastic #1- #7 no Styrofoam	Erie	Margaretta Twp Village of Castalia, Village of Bay View	5,904	24 hours a day 365 days a year	68.11	R, C	N/A N/A
City of Sandusky Sandusky Kiwanis Park Eastfirst Street Sandusky, 44870 419-627-5850	PA, DO	Cardboard, Newspapers, Magazines, Office Paper, Steel Cans, Aluminum Cans, Glass, Plastic #1-#7 no Styrofoam	Erie	City of Sandusky	25,346	24 hours a day 365 days a year	103.99	R, C	N/A N/A
City of Sandusky Services Complex Marquette Street Sandusky, 44870 419-627-5850	PA, DO	Cardboard, Newspapers, Magazines, Office Paper, Steel Cans, Aluminum Cans, Glass, Plastic #1- #7 no Styrofoam	Erie	City of Sandusky	25,346	24 hours a day 365 days a year	96.27	R, C	N/A N/A
Vermilion Township 1209 Stanley Road Vermilion, 44089 440-967-3251	PA, DO	Cardboard, Newspapers, Magazines, Office Paper, Steel Cans, Aluminum Cans, Glass, Plastic #1- #7 no Styrofoam	Erie	Vermilion Twp	4,837	24 hours a day 365 days a year	117.78	R, C	N/A N/A
Cell Phones and Ink Jets									
Serving Our Seniors	PA, DO	Cell Phones & Ink Jets	Erie	Erie	71,228	During business hours	Unknown	R, C, I	N/A N/A
Buyback Recycling Facilities									
FSI Disposal 330 Elm Street Clyde, 43410 419-547-9365	PA, DO		Erie	Erie	71,228	During business hours	Unknown	R, C, I	Unknown
Galloway Brothers 2717 Old Railroad Sandusky, 44870 419-626-8492	PA, BB, DO, SY		Erie	Erie	71,228	During business hours	Unknown	R, C, I	Unknown
Sandusky Steel & Supply 1943 Milan Rd. Sandusky, 44870 419-626-4245			Erie	Erie	71,228	During business hours	Unknown	R, C, I	Unknown

Republic Waste Services 4005 Tiffin Avenue Sandusky, 44870 419-626-2454			Erie	Erie	71,228	During business hours	Unknown	R, C, I	Unknown	Unknown
Other Recycling Activities: Erie County Solid Waste Management District Collections										
Electronics Recycling	PA, DO	Electronics/ Computers	Erie	Erie	71,228	During business hours	18.98	R, C	N/A	N/A
School Recycling		Cardboard, Newspapers, Magazines, Office Paper, Steel Cans, Aluminum Cans, Glass, Plastic #1- #7 no Styrofoam	Erie	Students/ Staff		During School Hours	256.95		N/A	N/A
Community Grants	PA, DO	Material perCommunity	Erie	Erie	71,228	Various Dates and times	42.00	R	N/A	N/A
HHW Collection Programs: Erie County Solid Waste Management District Collections										
HHW	PA, DO	HHW	Erie	Erie	71,228	5-1 day collections per year	14.55	R	N/A	N/A
Battery Recycling	PA, DO	Household Batteries	Erie	Erie	71,228	During business hours	3.78	R	N/A	N/A
Residential/Commercial Survey	POU	Survey	Erie	Erie	71,228	1x a year	25,821.18	C	N/A	N/A
Industrial Survey	POU	Survey	Erie	Erie	71,228	1x a year	112,200.00	I	N/A	N/A

- Please include the name, mailing address, and phone number for each recycling and HHW program listed.
- To indicate the type of recycling facility or activity, enter "PA" for publicly-available, "PUO" for private use only. In addition, enter "DO" for drop-off facility, "BR" for buy-back recycling center, "BR" for recycling broker, "SY" for scrap yard, "HC" for hauler collection. Please categorize entries by type of facility and activity, and include additional facility-type designations as necessary. (See Appendix AA for a definition of a recycling broker.)
- Enter a separate line of information for each material accepted and processed by the facility/activity.
- Enter the hours available to the public per week; if the site is not open every week, enter the schedule for site.
- Doubling-counting of materials should not be addressed in this table. List all reported amounts in this table; do not include projected or extrapolated amounts. If totals for a given facility have not been shown due to confidentiality concerns, please indicate such in the table.
- Enter the estimated percentage of recyclables processed from the residential sector (R-___%), the commercial sector (C-___%), and the industrial sector (I-___%).

Source(s) of information:

SWMD

Hauler and Processor survey - November, 2013-March 2014

Table III-6 Composting/Yard Waste Management Activities Used by the District

Facility Name or Activity	Facility Type	Location			Waste received from SWMD		Processing Capacity		Non- compostables landfilled (TPY)	Compost produced (TPY)
		County	Address		Type	Amount (TPY)	Daily (TPD)	Annual (TPY)		
			City, ST, Zip	Phone						
Barnes Nursery	PA, DO, CF,		1630 Camp Rd.	Yard waste	4121.52	100 TPD licensed	8,180 TPY actual			
Yard Waste Recovery	II	Erie	Huron, OH 44839	Food	910.97	82.30 TPD actual		80 T. (240 cy)	7,675 cu yd	
			419-433-5525	Animal	3628.21					
City of Huron Subscription Curbside Yard Waste Collection	PA	Erie	417 Main St. Huron, OH 44839	Yard Waste	616.09 T.	Not applicable	Not applicable	Not applicable	Not applicable	
			419-433-5000							
Ninke Lawn Service	PUO	Erie	1832 Milan Rd. Sandusky, OH 44870	Yard Waste	518 T	Not applicable	Not applicable	Not applicable	Not applicable	
			419-627-2821							
Sparky Weilman Farms	PUO	Erie	US Rte 250 North Milan, Ohio 44857	Yard Waste	487.33 T	Not applicable	Not applicable	Not applicable	Not applicable	
			419-499-2461							

1 To indicate the type of yard waste facility or activity, enter "PA" for publicly-available, "PUO" for private use only, "DO" for drop-off facility, "CF" for compost facility, "LA" for land application, and "PD" for in-district facilities with outstanding public debt. (See Appendix A for a discussion of public debt.) Also, provide the "Class" of the facility (i.e., I, II, III, or IV) if applicable. See the glossary in Appendix AA for definitions of land application and descriptions of the classes of composting facilities.

2 The types of materials composted, such as tree trimmings, grass clippings and leaves should be entered as "yard waste". All other solid waste may be entered as "other".

Sample Calculation:

Assumptions: Vacuumed leaves = 200 pounds/cubic yard

Source(s) of information: Hauler and Processor survey - November, 2013-March 2014, Barnes Nursery, Ohio EPA DSIWM

Table III-9 Ash, Foundry Sand, and Slag Disposal Sites Used by the District

Site Location (Provide brief description)	Land Owner Mailing Address			Description of materials dumped at site	Approximate size of site (in acres)	Time period site has existed
	Name	Address	City, ST, Zip Phone			
None						

Table III-10 Solid Waste Haulers Operating in the District

Name of Hauling Company	Mailing Address: Street City, ST, Zip Phone	Description of Collection Routes (include Townships, cities, villages in District where waste is collected)	Type of materials collected	Tons collected from the District (TPY)	Name of Facilities Used by Haulers
BFI of Ohio, Inc. #1130	40195 Butternut Ridge Rd.	Vermilion Twp.	GSW	30983.37	Erie County Landfill
	Elyria, OH 44035 440-458-5191		ISW		
Barnes Nursery, Inc.	3511 Cleveland Road West	Countywide	GSW	516.22	Erie County Landfill Barnes Composting Facility
#1132	Huron, Ohio 44839 419-433-5525		YW		
Cyclone Services #1287	3063 C.R. 290	Countywide except Florence Twp., Kelleys Island	GSW	6791.22	Erie County Landfill
	Vickery, OH 43464				
	419-684-9797				
Fultz & Son, Inc. #1360	330 Elm St.	Countywide except Kelleys Island	GSW ISW YW	18576.23	Erie County Landfill
	Clyde, OH 43410				
	419-547-9365				
Lake Disposal, Inc. #1461	PO Box 472	Kelleys Island	GSW	1826.21	Kelleys Island Transfer Station Erie County Landfill
	Kelleys Island, OH 43438				
	419-746-2301				
Ruffin Refuse #1600	1919 Pearl St.	Sandusky Perkins Twp.	GSW	Unknown	Erie County Landfill
	Sandusky, OH 44870				
	419-625-2004				
Sandusky Steel & Supply Co.	PO Box 336				

#1620	Sandusky, OH 44870	County-wide Ind/Comm Accounts only	ISW	3756.07	Erie County Landfill
Sonic Hauling LTD #1675	419-626-4245		GSW	814.66	Erie County Landfill
	8300 Twp. Road 138				
	Republic, Ohio 44867				
	419-639-2020				
U. S. Rubbish	1209 Johnson St. Sandusky, OH 44870 419-625-3573	Sandusky Perkins Twp	GSW	Unknown	Erie County Landfill
Waste Management of NW Ohio	6525 Wales Rd.	Industrial & Commercial Accounts only	GSW	1188.72	Erie County Landfill
	Northwood, OH 43619				
	419-661-4575				

1 If available, please list each type of material collected on a separate line and enter the amount collected in the adjacent column to the left. Show the amount of source-separated yard waste, general solid waste, and separated recyclables.

2 List all facilities (landfills, transfer stations, etc.) used by the haulers.