

# CONTACT INFORMATION

ANNUAL | 2017

Lorain County SWMD

Please update the contact information in this survey at any time during the calendar year so that Ohio EPA has accurate information on file. You only need to "Save" this survey and will not be prompted to "Submit" it.

## CURRENT POLICY COMMITTEE CHAIR/TRUSTEE CHAIR FOR AUTHORITIES

Name: \*

Dr. David Hintz

Date he/she assumed role: \*

01/01/2016

Phone: \*

440-759-7069 *Example: 123-456-7890*

Ext:

Address: \*

1170 E Broad St # 103

Secondary Address:

City: \*

Elyria

State: \*

OH

Zip: \*

44035

Email: \*

davidhintz@yahoo.com

## CURRENT PRESIDENT OF THE BOARD (DISTRICTS ONLY)

Name:

Ted Kalo

Date she/he assumed role:

01/01/2017

Phone:

440-329-5300 *Example: 123-456-7890*

Extension:

Address:

226 Middle Ave.

Secondary Address:

City:

Elyria

State:

OH

Zip:

44035

Email:

tkalo@loraincounty.us

## SWMD COORDINATOR/DIRECTOR

Name: \*

Keith Bailey

Title: \*

Solid Waste Director

General Phone: \*

440-329-5442 *Example: 123-456-7890*

Ext:

Direct Phone: \*

440-329-5442 *Example: 123-456-7890*

Extension:

Address: \*

226 Middle Ave.

Secondary Address:

City: \*

Elyria

State: \*

OH

Zip: \*

44035

Email: \*

kbailey@loraincounty.us

Web Address: \*

<https://www.loraincounty.us/solidwaste>

## FISCAL CONTACT

Name:

Beverly Gardner

Title:

Administrative Assistant

Phone:

440-328-2248 *Example: 123-456-7890*

Extension:

Email:

bgardner@loraincounty.us

## ALTERNATIVE CONTACTS

**1.**

Name:

Tiffany Barker

Title:

Other

Title: \*

Marketing Coordinator

Phone:

440-328-2368 *Example: 123-456-7890*

Extension:

Email:

tbarker@loraincounty.us

**2.**

Name:

Brandi Schnell

Title:

Other

Title: \*

Community Outreach Coordinator

Phone:

440-328-2249 *Example: 123-456-7890*

Extension:

Email:

bschnell@loraincounty.us

Please note that you only need to "Save" this survey and will not be prompted to "Submit" it.

Response created on: May 25, 2018 at 03:18 PM CDT by GT.lorain@gmail.com

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# ANNUAL DISTRICT REPORT - GENERAL INFORMATION

ANNUAL | 2017

Lorain County SWMD

## SOLID WASTE MANAGEMENT DISTRICT (SWMD) CONTACT INFORMATION

Name of person responsible for filling out this report: \*

Molly Kathleen

Title and Organization of person filling out this report: \*

Environmental Planner II/GT Environmental, Inc.

## BASIC SWMD INFORMATION AND NARRATIVE

### Population

Population of SWMD in report year: \*

307,924

Source(s) of population information: \*

Ohio Development Services Agency (ODSA), 2017 Population Estimates: Cities, Villages and Townships by County, May 2018. Projections for 2017 based on ODSA Ohio County Profiles.

*NOTE: if the SWMD was required to adjust its population in its current Plan, then report the ADJUSTED population for the report year.*

### Highlights and Challenges

Please discuss any highlights, changes, or accomplishments in the report year (record usage, new program, awards, etc...): \*

In 2017, the District was awarded a Bronze SWANA Excellence Award for the Collection Center. In 2017, the City of Lorain, the only remaining political subdivision in Lorain County to collect curbside recyclables and waste manually, upgraded their system to automated cart collection after successful discussions with the District. The new system was rolled out in Spring of 2017. The Consortium continues to meet on a quarterly basis and has plans to go out for bid in 2018. The District has been working on expanding the consortium and made presentations to local communities. The Host Community Agreement was renegotiated with Republic and extended to 2019.

Please discuss any challenges the District faced in the report year (events, trends, continuing issues, etc...). Please specifically address how these challenges may have impacted recycling activities and/or data: \*

Operation of the Collection Center had challenges in 2017-18. The District prepared a report on operational efficiencies; many of those recommendations are being implemented in 2018.

Considering the calendar year and the remainder of the year yet to come, please discuss anticipated activities or challenges and how the District may address them: \*

The District is in the process of developing its Solid Waste Management Plan Update, which is due to Ohio EPA on 10/02/2018. The District is continuing to meet with the policy committee on a monthly basis to review progress on the Plan. The District's Director, Keith Bailey, will be retiring in 2018. The future leadership of the District has not been identified at this time. The County's administration is managing the change in District staffing. It is uncertain at this time how District operations may be impacted.

## STUDIES, SUBCOMMITTEES, PILOT PROJECTS, ETC.

Please report on the status of pilot-projects, studies and/or subcommittees in the SWMD's approved Plan.

\* If a study, committee or pilot project has been completed, list the outcome. If a final report was prepared, please provide a copy to Ohio EPA along with this report.

\* If a study, committee or pilot project is in progress, indicate the state of progress and whether the study is on schedule. Describe any milestones achieved to date.

\* If a study was delayed or discontinued, enter a brief explanation of the situation, including a time frame for completion.

Do you have information to report? \*

Yes

No

Please explain: \*

In 2016, the District secured a site for the organics facility. The District went out for bid to hire a consultant to assist with the site feasibility and to develop a business plan for the operation. The District hired SCS Engineers to complete this assessment for the business plan as the first step. The draft business plan is to be completed in May 2016. Following the development of the business plan which is Phase 1 the District if it is determined to be a "Go" will develop the license application. Phase III will be to hire an operator or determine if the District can operate the facility. This project continued in 2017.

Upload a file (i.e. a completed study):

[Lorain County Compost Study Final Report-March30 2018.pdf](#)

## FEES AND FUNDING

SWMD contract with facilities, hauler, etcetera:

If the SWMD has entered into any contracts with facilities, haulers, etc. for the purpose of collecting fees, please briefly describe the fee. For example: a per ton contract fee collected from out-of-state disposal facilities that were negotiated via waste designation or other legal mechanism. If the SWMD has more than six fee types and/or facilities under contract, please describe the general fee structure in the space provided below and then attach a list of fees and/or facilities.

	ENTITY (PARTY TO CONTRACT):	BRIEF DESCRIPTION OF CONTRACT FEE:
1	Republic	\$0.60/ton for out-of-District waste

Attach fee or contract details, facility lists, etc. below:

Funding issues that affected the SWMD's operations during the report year or new issues anticipated to affect the SWMD: \*

None. *This may include declines in recycling commodity prices, facility closures, weather events, unexpected waste streams, etc...*

Notable deviations in revenue and/or expenditures from plan projections: \*

None *Using information from the District's Quarterly Fee Reports, explain any notable deviations in revenue or expenditures from the current Plan. This creates a stronger narrative for future plan updates and informs as to how budgets are used.*

## REVISIONS AND ADDITIONS TO SWMD RULES

Under Section 343.01(G) of the Ohio Revised Code, SWMDs have the authority to adopt rules after final Plan approval, provided the approved Plan authorizes the SWMD to do so. Please attach one copy of all final rules adopted and/or modified by the SWMD during the report year [OAC 3745-27-90 (F)(5)].

Do you have a copy of all final rules adopted and/or modified by the SWMD during the report year [OAC 3745-27-90 (F)(5)] to attach? \*

Yes

No

Response created on: May 17, 2018 at 10:57 AM CDT by GT.lorain@gmail.com

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# ANNUAL DISTRICT REPORT - SWMD WASTE REDUCED AND RECYCLED - RESIDENTIAL/COMMERCIAL/INDUSTRIAL

ANNUAL | 2017

Lorain County SWMD

Instructions on how to fill out this section of the Report can be found [here](#).

## Projected SWMD Materials Recycled and Reduced

Projected Recycling for the report year (in tons) from current Solid Waste Management Plan (Plan):

Residential/Commercial Tons: \*

79,356.00

Industrial Tons: \*

92,047.00

Total Projected Tons: \*

171,403.00

After filling in the table below, please provide analysis regarding why actual diversion in the report year(recycling and composting) may be different than projected diversion from the SWMD's current Plan. \*

Actual residential/commercial recycling is significantly higher than projected in the Plan. Main factors that contributed to the increase include: the City of Lorain transitioned from bags to automated carts, resulting in a substantial increase in the city's curbside recycling; additional compost tonnage was obtained from research performed for an organics study; and Republic reported significant increases in tonnage compared to previous years. In 2016, Republic reported accepting 35,428 tons from Lorain County for all sectors. In 2017, Republic reported accepting 43,201 tons for all sectors. Actual industrial recycling is higher than Plan projections as well. The increase was mainly caused by operational changes reported by one of the largest industries in Lorain County.

## Residential/Commercial and Industrial Materials Recycled and Reduced

RECYCLABLE CATEGORIES	RESIDENTIAL/COMMERCIAL:	EXPLANATIONS	INDUSTRIAL:	EXPLANATIONS
Appliances / White Goods	52.73			
Household Hazardous Waste	259.71			
Used Motor Oil	177.01			
Electronics	221.23			
Scrap Tires	2,364.42			

Dry Cell Batteries	14.64	Battery collection at the Lorain County Collection Center nearly tripled from 2016 to 2017.		
Lead-Acid Batteries	6.04			
Food	1,000.70		0.00	
Glass	8,826.85	Republic reported a significant increase in glass recycling from 2016 to 2017. The District is not aware of any programmatic changes that could have caused the change in glass recycling volumes.	34.06	
Ferrous Metals	4,873.94		80,832.92	A manufacturing facility that produces pipes for oil and gas exploration and production closed one of its production lines in 2017, but increased operations in its remaining lines, leading to a significant increase in ferrous metal recycling in 2017.
Non-Ferrous Metals	1,141.30		1,008.41	An industry that reported a significant quantity of non-ferrous metal recycling in 2014 has not responded to new survey requests or follow-up phone calls or emails. Non-ferrous metal recycling decreased 40% due to the inability to obtain new data from this industry.
Corrugated Cardboard	13,763.99		8,804.51	
All Other Paper	20,350.05	Republic reported a significant increase in paper recycling from 2016 to 2017. The District is not aware of any programmatic changes that could have caused the change in paper recycling volumes.	412.91	

Plastics	2,935.51		156.94	An industry that reported a significant quantity of plastic recycling in 2016 responded to the survey in 2017 but did not report any plastic.
Textiles	741.53	Textile recycling increased 10% from 2016 to 2017. One reason is that two communities (North Ridgeville and Oberlin) implemented clothing recycling programs.	0.00	
Wood	3,528.44		4,008.76	
Rubber			0.00	
Commingled Recyclables			1,227.00	
Yard Waste	30,802.45	Yard waste increased 20% from 2016 to 2017. One of the reasons for the increase is that the District obtained information about yard waste composting conducted at places other than registered compost facilities. As part of research for an organics study, the District surveyed local landscapers to collect information about quantities of yard waste recycled and where yard waste was recycled. Multiple responses identified that yard waste generated from landscaping projects was hauled back to the landscaper's facility and composted on-site.		
Ash (recycled ash only)			0.00	
Non-Excluded Foundry Sand			16,151.20	
Flue Gas Desulfurization Waste			0.00	
Other	237.20	Other recycling reported by Walmart and a grocery store	2.21	Ink/toner cartridges

Other	386.20	Aseptic containers	456.00	Steel slag
Other	0.87	Ink cartridges	4.69	Urethane foam and powder coatings
Other	6.57	Air bags	93.41	Silicone and shrink wrap
Other			506.58	Scrap medical equipment
Other				
Recycling Subtotals	91,691.38		113,699.60	

RECYCLABLE CATEGORIES	RESIDENTIAL/COMMERCIAL:	EXPLANATIONS	INDUSTRIAL:	EXPLANATIONS
Source Reduction				
Incineration				
Subtotal				

### Residential/Commercial and Industrial Materials Recycled and Reduced - Grand Totals

Residential/Commercial Grand Total Tons: \*

91,691.38

Industrial Grand Total Tons: \*

113,699.60

### Source(s) of Data Reported

Survey of recycled material brokers, processors, or scrap dealers \*

Yes

No

Calendar Year(s) \*

2017, 2016, 2015

Survey of recycling collection programs or activities \*

Yes  No

Calendar Year(s) \*

2017

Survey of industries \*

Yes  No

Calendar Year(s) \*

2017, 2016, 2015

Ohio EPA reports (composting, scrap tires, MRF) \*

Yes  No

Other: \*

Yes  No

Please specify other: \*

Survey of communities and commercial sector generators: 2017, 2016, 2015

If generator data from a survey conducted prior to the report year were used in filling out the recycling figures in the table above, then the District should have verified the current status of the generator(s) during the report year.

Indicate the method(s) used to verify the current status of any generators whose data from a survey prior to the report year were used (if applicable):

Phone

Web

Business Directory

Other Method

## Conversion Factors Used

Ohio EPA recommends using U.S. EPA's "Volume-to-Weight Conversion Factors for Solid Waste" document [found here](#).

If other conversion factors, calculations, or methodologies are used, please describe them here or provide a link to the relevant website:

None.

Ohio EPA Comments:

Response created on: May 17, 2018 at 10:59 AM CDT by GT.lorain@gmail.com

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# ANNUAL DISTRICT REPORT - OUT-OF-STATE WASTE DISPOSAL

ANNUAL | 2017

Lorain County SWMD

## Instructions:

Ohio EPA collects out-of-state waste data from environmental agencies in adjacent states each year. However, some solid waste management districts have contracts with out-of-state facilities or otherwise collect additional information on waste sent out-of-state. This additional data can improve Ohio EPA's reporting of out-of-state waste flows.

If your district collects information on waste sent out-of-state, please provide it in the table below. Please provide a "net" total of solid waste disposed out-of-state. For example, waste that went through an out-of-state transfer station and was then disposed in an out-of-state landfill should be adjusted to eliminate double counting. If the SWMD knows of out-of-state facilities which accepted waste from the SWMD but you do not know the amount, please list the name(s) of the facility(ies) and leave the remaining columns blank.

## Amount of SWMD Solid Waste Disposed by Type of Waste (tons)

For optimal data entry please use the "tab" key to quickly move from cell to cell. If you happen to hit enter it will automatically save the form.

	OUT-OF-STATE FACILITY NAME:	STATE:	MUNICIPAL SOLID WASTE:	INDUSTRIAL SOLID WASTE:	EXCLUDED WASTE	OTHER:	TOTAL TONS:
1	Tradebe Treatment & Recycling, LLC	Indiana (IN)				0.56	0.56
2	Indianapolis Resource Recovery Facility	Indiana (IN)				145.93	145.93
3	EQ Industrial Services Processing Facility	Indiana (IN)				1.00	1.00
4	Medassure Of Indiana Treatment Facility	Indiana (IN)	3.69				3.69
5		-Select-					
6		-Select-					
7		-Select-					
8		-Select-					
9		-Select-					
10		-Select-					
Tonnage Totals			3.69			147.49	151.18

Indicate the source of information for the information above (e.g. contract fees; facility surveys, name of state agency, etc.) Please report all amounts in tons. If conversion factors were used, then please list them below. The space below can also be used for any other information related to your out-of-state waste figures.

Indiana Department of Environmental Management: Complete Solid Waste Quarterly Report Database: 2017. Web. <<https://www.in.gov/idem/landquality/2406.htm>>.

Response created on: May 18, 2018 at 07:11 PM CDT by GT.lorain@gmail.com

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# SINGLE / MULTI-COUNTY SURVEY

ANNUAL | 2017

Lorain County SWMD

Please identify if you are a single or multi county district:

Single County

Multi County

Response created on: Jan 17, 2018 at 03:28 PM CST by matthew.hittle@epa.ohio.gov

Response last updated on: Jan 17, 2018 at 03:28 PM CST by matthew.hittle@epa.ohio.gov

# CURBSIDE - SINGLE COUNTY

SWMD ANNUAL ADR SUBMITTAL | 2017

Lorain County SWMD

Please click [here](#) for instructions.

County:

Lorain

	COMMUNITY:	HOUSEHOLDS SERVED	PROGRAM TYPE	RECYCLING CONTAINER TYPE	VOLUME-BASED BILLING DISPOSAL	TONS	COMMENTS
1	Amherst City	12,021	<input checked="" type="radio"/> Automatic (non-subscription) <input type="radio"/> Opt-in (subscription)	<input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Tote / bins <input type="radio"/> Bags <input type="radio"/> Other	<input checked="" type="radio"/> None <input type="radio"/> Wheeled Carts <input type="radio"/> Bags <input type="radio"/> Stickers <input type="radio"/> Multiple Options	1,059	This non-subscription curbside program collected 1,059 tons in 2017. This was a decrease of 13 tons, or 1% since 2016. This community does not have a contract for recycling collection services, but Republic provides non-subscription curbside recycling and recycling bins for no charge, regardless of whether residents select another hauler for waste collection services.

	Amherst Township	5,728	<input checked="" type="radio"/> Automatic (non-subscription) <input type="radio"/> Opt-in (subscription)	<input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Tote / bins <input type="radio"/> Bags <input type="radio"/> Other	<input type="radio"/> None <input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Bags <input type="radio"/> Stickers <input type="radio"/> Multiple Options	409	<p>This non-subscription volume-based curbside program collected 409 tons in 2017. This was a decrease of 47 tons, or 2% since 2016. This community, which participated in the District's 2013 consortium for waste and recycling services, continued its contract with Rumpke.</p>
2	Avon City	21,193	<input checked="" type="radio"/> Automatic (non-subscription) <input type="radio"/> Opt-in (subscription)	<input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Tote / bins <input type="radio"/> Bags <input type="radio"/> Other	<input type="radio"/> None <input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Bags <input type="radio"/> Stickers <input type="radio"/> Multiple Options	1,618	<p>This non-subscription volume-based curbside program collected 1,618 tons in 2017. This was a decrease of 101 tons, or 6% since 2016. This community does not have a contract for recycling collection services, but Republic provides non-subscription curbside recycling and recycling bins for no charge, regardless of whether residents select another hauler for waste collection services.</p>
3	Avon Lake City	22,581	<input checked="" type="radio"/> Automatic (non-subscription) <input type="radio"/> Opt-in (subscription)	<input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Tote / bins <input type="radio"/> Bags <input type="radio"/> Other	<input type="radio"/> None <input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Bags <input type="radio"/> Stickers <input type="radio"/> Multiple Options	1,965	<p>This non-subscription volume-based curbside program collected 1,965 tons in 2017. This was an increase of 256 tons, or 15% since 2016. This community was in contract with Republic for waste and recycling collection services during 2017. Republic performed as one of the Lorain County Consortium haulers.</p>
4							

5	Brighton Township	915	<input checked="" type="radio"/> Automatic (non-subscription) <input type="radio"/> Opt-in (subscription)	<input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Tote / bins <input type="radio"/> Bags <input type="radio"/> Other	<input type="radio"/> None <input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Bags <input type="radio"/> Stickers <input type="radio"/> Multiple Options	61	<p>This non-subscription volume-based curbside program collected 61 tons in 2017. This was a decrease of 6 tons, or 9% since 2016. This community, which participated in the District's 2013 consortium for waste and recycling services, continued its contract with Rumpke.</p>
6	Brownhelm Township	1,766	<input checked="" type="radio"/> Automatic (non-subscription) <input type="radio"/> Opt-in (subscription)	<input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Tote / bins <input type="radio"/> Bags <input type="radio"/> Other	<input type="radio"/> None <input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Bags <input type="radio"/> Stickers <input type="radio"/> Multiple Options	113	<p>This non-subscription volume-based curbside program collected 112 tons in 2017. This was a increase of 3 tons, or 2% since 2016. This community does not have a contract for recycling collection services, but Republic provides non-subscription curbside recycling and recycling bins for no charge, regardless of whether residents select another hauler for waste collection services.</p>

	Camden Township	1,424	<input checked="" type="radio"/> Automatic (non-subscription) <input type="radio"/> Opt-in (subscription)	<input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Tote / bins <input type="radio"/> Bags <input type="radio"/> Other	<input type="radio"/> None <input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Bags <input type="radio"/> Stickers <input type="radio"/> Multiple Options	135	<p>This non-subscription volume-based curbside program collected 135 tons in 2017. This was an increase of 37 tons, or 38% since 2016. This community does not have a contract for recycling collection services, but Republic provides non-subscription curbside recycling and recycling bins for no charge, regardless of whether residents select another hauler for waste collection services.</p>
7	Carlisle Township	7,500	<input checked="" type="radio"/> Automatic (non-subscription) <input type="radio"/> Opt-in (subscription)	<input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Tote / bins <input type="radio"/> Bags <input type="radio"/> Other	<input type="radio"/> None <input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Bags <input type="radio"/> Stickers <input type="radio"/> Multiple Options	569	<p>This non-subscription volume-based curbside program collected 569 tons in 2017. This was a decrease of 128 tons, or 18% since 2016. The MOU between the township and Republic has not been renewed. This community does not have a contract for recycling collection services, but Republic provides non-subscription curbside recycling and recycling bins for no charge, regardless of whether residents select another hauler for waste collection services.</p>
8							

9	Columbia Township	7,040	<input checked="" type="radio"/> Automatic (non-subscription) <input type="radio"/> Opt-in (subscription)	<input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Tote / bins <input type="radio"/> Bags <input type="radio"/> Other	<input type="radio"/> None <input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Bags <input type="radio"/> Stickers <input type="radio"/> Multiple Options	495	<p>This non-subscription volume-based curbside program collected 495 tons in 2017. This was a decrease of 37 tons, or 7% since 2016. This community does not have a contract for recycling collection services, but Republic and Rumpke provide non-subscription curbside recycling and recycling bins for no charge, regardless of whether residents select another hauler for waste collection services.</p>
10	Eaton Township	5,750	<input checked="" type="radio"/> Automatic (non-subscription) <input type="radio"/> Opt-in (subscription)	<input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Tote / bins <input type="radio"/> Bags <input type="radio"/> Other	<input type="radio"/> None <input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Bags <input type="radio"/> Stickers <input type="radio"/> Multiple Options	452	<p>This non-subscription volume-based curbside program collected 452 tons in 2017. This was an increase of 43 tons, or 10% since 2016. This community, which participated in the District's 2013 consortium for waste and recycling services, continued its contract with Rumpke.</p>
11	Elyria City	54,533	<input checked="" type="radio"/> Automatic (non-subscription) <input type="radio"/> Opt-in (subscription)	<input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Tote / bins <input type="radio"/> Bags <input type="radio"/> Other	<input type="radio"/> None <input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Bags <input type="radio"/> Stickers <input type="radio"/> Multiple Options	3,111	<p>This non-subscription volume-based curbside program collected 3,111 tons in 2017. This was a increase of 67 tons, or 2% since 2016. The City of Elyria's collection crew provides service to residents.</p>

12	Elyria Township	3,266	<input checked="" type="radio"/> Automatic (non-subscription) <input type="radio"/> Opt-in (subscription)	<input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Tote / bins <input type="radio"/> Bags <input type="radio"/> Other	<input type="radio"/> None <input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Bags <input type="radio"/> Stickers <input type="radio"/> Multiple Options	244	<p>This non-subscription volume-based curbside program collected 244 tons in 2017. This was a decrease of 11 tons, or 4% since 2016. This community does not have a contract for recycling collection services, but Republic provides non-subscription curbside recycling and recycling bins for no charge, regardless of whether residents select another hauler for waste collection services.</p>
13	Grafton Township	2,833	<input checked="" type="radio"/> Automatic (non-subscription) <input type="radio"/> Opt-in (subscription)	<input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Tote / bins <input type="radio"/> Bags <input type="radio"/> Other	<input type="radio"/> None <input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Bags <input type="radio"/> Stickers <input type="radio"/> Multiple Options	218	<p>This non-subscription volume-based curbside program collected 218 tons in 2017. This was an increase in 39 tons, or 22% since 2016. This community, which participated in the District's 2013 consortium for waste and recycling services, continued its contract with Rumpke.</p>
14	Grafton Village	6,636	<input checked="" type="radio"/> Automatic (non-subscription) <input type="radio"/> Opt-in (subscription)	<input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Tote / bins <input type="radio"/> Bags <input type="radio"/> Other	<input type="radio"/> None <input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Bags <input type="radio"/> Stickers <input type="radio"/> Multiple Options	255	<p>This non-subscription volume-based curbside program collected 255 tons in 2017. This was an increase of 6 tons, or 2% since 2016. This community was in contract with Republic for waste and recycling collection services during 2016.</p>

	Henrietta Township	1,861	<input checked="" type="radio"/> Automatic (non-subscription) <input type="radio"/> Opt-in (subscription)	<input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Tote / bins <input type="radio"/> Bags <input type="radio"/> Other	<input type="radio"/> None <input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Bags <input type="radio"/> Stickers <input type="radio"/> Multiple Options	229	<p>This non-subscription volume-based curbside program collected 229 tons in 2017. This was an increase of 37 tons, or 19% since 2016. This community does not have a contract for recycling collection services, but Republic provides non-subscription curbside recycling and recycling bins for no charge, regardless of whether residents select another hauler for waste collection services.</p>
15	Huntington Township	1,341	<input checked="" type="radio"/> Automatic (non-subscription) <input type="radio"/> Opt-in (subscription)	<input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Tote / bins <input type="radio"/> Bags <input type="radio"/> Other	<input type="radio"/> None <input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Bags <input type="radio"/> Stickers <input type="radio"/> Multiple Options	71	<p>This non-subscription volume-based curbside program collected 71 tons in 2016. This was an increase of 3 tons, or 4% since 2016. This community, which participated in the District's 2013 consortium for waste and recycling services, continued its contract with Rumpke.</p>

	Kipton Village	243	<input checked="" type="radio"/> Automatic (non-subscription) <input type="radio"/> Opt-in (subscription)	<input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Tote / bins <input type="radio"/> Bags <input type="radio"/> Other	<input type="radio"/> None <input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Bags <input type="radio"/> Stickers <input type="radio"/> Multiple Options	18	<p>This non-subscription volume-based curbside program collected 18 tons in 2017. This was consistent with the quantity collected in 2016. This community does not have a contract for recycling collection services, but Republic provides non-subscription curbside recycling and recycling bins for no charge, regardless of whether residents select another hauler for waste collection services.</p>
17	LaGrange Township	4,061	<input checked="" type="radio"/> Automatic (non-subscription) <input type="radio"/> Opt-in (subscription)	<input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Tote / bins <input type="radio"/> Bags <input type="radio"/> Other	<input type="radio"/> None <input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Bags <input type="radio"/> Stickers <input type="radio"/> Multiple Options	234	<p>This non-subscription volume-based curbside program collected 234 tons in 2017. This was a increase of 19 tons, or 9% since 2016. This community does not have a contract for recycling collection services, but Republic provides non-subscription curbside recycling and recycling bins for no charge, regardless of whether residents select another hauler for waste collection services.</p>

19	LaGrange Village	2,103	<input checked="" type="radio"/> Automatic (non-subscription) <input type="radio"/> Opt-in (subscription)	<input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Tote / bins <input type="radio"/> Bags <input type="radio"/> Other	<input type="radio"/> None <input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Bags <input type="radio"/> Stickers <input type="radio"/> Multiple Options	249	<p>This non-subscription volume-based curbside program collected 249 tons in 2017. This was a decrease of 3 tons, or 1% since 2016. This community was in contract with Republic for waste and recycling collection services during 2017.</p>
20	Lorain City	64,097	<input checked="" type="radio"/> Automatic (non-subscription) <input type="radio"/> Opt-in (subscription)	<input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Tote / bins <input type="radio"/> Bags <input type="radio"/> Other	<input type="radio"/> None <input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Bags <input type="radio"/> Stickers <input type="radio"/> Multiple Options	2,369	<p>This non-subscription volume-based curbside program collected 2,369 tons in 2017. This was an increase of 1,729 tons, or 270% since 2016. This community was in contract with Republic for waste and recycling collection services during 2017 and started volume-based curbside. The significant increase is the result of the community switching to rolling bins for collection, which provide residents with additional recycling capacity.</p>
21	New Russia Township	1,943	<input checked="" type="radio"/> Automatic (non-subscription) <input type="radio"/> Opt-in (subscription)	<input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Tote / bins <input type="radio"/> Bags <input type="radio"/> Other	<input type="radio"/> None <input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Bags <input type="radio"/> Stickers <input type="radio"/> Multiple Options	238	<p>This non-subscription volume-based curbside program collected 238 tons in 2017. This was an increase of 2 tons, or 1% since 2016. This community was apart of a Host Community Agreement for waste and recycling collection services during 2017.</p>

22	North Ridgeville City	29,465	<input checked="" type="radio"/> Automatic (non-subscription) <input type="radio"/> Opt-in (subscription)	<input type="radio"/> Wheeled Carts <input type="radio"/> Tote / bins <input type="radio"/> Bags <input type="radio"/> Other	<input type="radio"/> None <input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Bags <input type="radio"/> Stickers <input type="radio"/> Multiple Options	2,608	<p>This non-subscription curbside program collected 2,608 tons in 2017. This was a decrease of 24 tons, or 1% since 2016. This community was in contract with Republic for waste and recycling collection services during 2017.</p>
23	Oberlin City	8,286	<input checked="" type="radio"/> Automatic (non-subscription) <input type="radio"/> Opt-in (subscription)	<input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Tote / bins <input type="radio"/> Bags <input type="radio"/> Other	<input type="radio"/> None <input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Bags <input type="radio"/> Stickers <input type="radio"/> Multiple Options	770	<p>This non-subscription volume-based curbside program collected 770 tons in 2017. This was an increase of 27 tons, or 4% since 2016. Collection service is performed by the City of Oberlin's collection crew. Oberlin uses only 64-gallon carts for trash while most others in Lorain use 96-gallon.</p>
24	Penfield Township	1,789	<input checked="" type="radio"/> Automatic (non-subscription) <input type="radio"/> Opt-in (subscription)	<input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Tote / bins <input type="radio"/> Bags <input type="radio"/> Other	<input type="radio"/> None <input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Bags <input type="radio"/> Stickers <input type="radio"/> Multiple Options	115	<p>This non-subscription volume-based curbside program collected 115 tons in 2017. This was a decrease of 1 ton, or 1% since 2016. This community, which participated in the District's 2013 consortium for waste and recycling services, continued its contract with Rumpke.</p>

25	Pittsfield Township	1,581	<input checked="" type="radio"/> Automatic (non-subscription) <input type="radio"/> Opt-in (subscription)	<input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Tote / bins <input type="radio"/> Bags <input type="radio"/> Other	<input type="radio"/> None <input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Bags <input type="radio"/> Stickers <input type="radio"/> Multiple Options	117	<p>This non-subscription volume-based curbside program collected 117 tons in 2017. This was an increase of 21 tons, or 22% since 2016. This community, which participated in the District's 2013 consortium for waste and recycling services, continued its contract with Rumpke.</p>
26	Rochester Township	617	<input checked="" type="radio"/> Automatic (non-subscription) <input type="radio"/> Opt-in (subscription)	<input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Tote / bins <input type="radio"/> Bags <input type="radio"/> Other	<input type="radio"/> None <input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Bags <input type="radio"/> Stickers <input type="radio"/> Multiple Options	44	<p>This non-subscription volume-based curbside program collected 44 tons in 2017. This was a decrease of 1 ton, or 3% since 2016. This community, which participated in the District's 2013 consortium for waste and recycling services, continued its contract with Rumpke.</p>
27	Rochester Village	182	<input checked="" type="radio"/> Automatic (non-subscription) <input type="radio"/> Opt-in (subscription)	<input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Tote / bins <input type="radio"/> Bags <input type="radio"/> Other	<input type="radio"/> None <input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Bags <input type="radio"/> Stickers <input type="radio"/> Multiple Options	13	<p>This non-subscription volume-based curbside program collected 13 tons in 2017, which is consistent with the quantity collected in 2016. This community, which participated in the District's 2013 consortium for waste and recycling services, continued its contract with Rumpke.</p>

28	Sheffield Lake City	9,137	<input checked="" type="radio"/> Automatic (non-subscription) <input type="radio"/> Opt-in (subscription)	<input type="radio"/> Wheeled Carts <input checked="" type="radio"/> Tote / bins <input type="radio"/> Bags <input type="radio"/> Other	<input type="radio"/> None <input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Bags <input type="radio"/> Stickers <input type="radio"/> Multiple Options	640	<p>This non-subscription volume-based curbside program collected 640 tons in 2017. This was a decrease of 59 tons, or 8% since 2016. This community was in contract with Republic for waste and recycling collection services during 2017.</p>
29	Sheffield Township	3,720	<input checked="" type="radio"/> Automatic (non-subscription) <input type="radio"/> Opt-in (subscription)	<input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Tote / bins <input type="radio"/> Bags <input type="radio"/> Other	<input type="radio"/> None <input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Bags <input type="radio"/> Stickers <input type="radio"/> Multiple Options	224	<p>This non-subscription volume-based curbside program collected 224 tons in 2017, which was consistent with the amount collected in 2016. This community, which participated in the District's 2013 consortium for waste and recycling services, continued its contract with Rumpke.</p>
30	Sheffield Village	3,982	<input checked="" type="radio"/> Automatic (non-subscription) <input type="radio"/> Opt-in (subscription)	<input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Tote / bins <input type="radio"/> Bags <input type="radio"/> Other	<input type="radio"/> None <input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Bags <input type="radio"/> Stickers <input type="radio"/> Multiple Options	276	<p>This non-subscription volume-based curbside program collected 276 tons in 2017. This was an increase of 3 tons, or 1% since 2016. This community started a contract with Republic in 2017 for recycling collection services, but Republic provides non-subscription curbside recycling and recycling bins for no charge, regardless of whether residents select another hauler for waste collection services.</p>

31	South Amherst	1,688	<input checked="" type="radio"/> Automatic (non-subscription) <input type="radio"/> Opt-in (subscription)	<input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Tote / bins <input type="radio"/> Bags <input type="radio"/> Other	<input type="radio"/> None <input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Bags <input type="radio"/> Stickers <input type="radio"/> Multiple Options	267	<p>This non-subscription volume-based curbside program collected 267 tons in 2017. This was an increase of 45 tons, or 20% since 2016. This community does not have a contract for recycling collection services, but Republic provides non-subscription curbside recycling and recycling bins for no charge, regardless of whether residents select another hauler for waste collection services.</p>
32	Vermillion City	10,594	<input checked="" type="radio"/> Automatic (non-subscription) <input type="radio"/> Opt-in (subscription)	<input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Tote / bins <input type="radio"/> Bags <input type="radio"/> Other	<input type="radio"/> None <input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Bags <input type="radio"/> Stickers <input type="radio"/> Multiple Options	1,051	<p>This non-subscription volume-based curbside program collected 1,051 tons in 2017. This was an increase of 8 tons, or 1% since 2016. This community was in contract with Republic for waste and recycling collection services during 2017.</p>

33	Wellington Township	1,420	<input checked="" type="radio"/> Automatic (non-subscription) <input type="radio"/> Opt-in (subscription)	<input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Tote / bins <input type="radio"/> Bags <input type="radio"/> Other	<input type="radio"/> None <input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Bags <input type="radio"/> Stickers <input type="radio"/> Multiple Options	215	This non-subscription volume-based curbside program collected 215 tons in 2017. This was an increase of 83 ton, or 63% since 2016. This community does not have a contract for recycling collection services, but Republic provides non-subscription curbside recycling and recycling bins for no charge, regardless of whether residents select another hauler for waste collection services.
34	Wellington Village	4,802	<input checked="" type="radio"/> Automatic (non-subscription) <input type="radio"/> Opt-in (subscription)	<input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Tote / bins <input type="radio"/> Bags <input type="radio"/> Other	<input type="radio"/> None <input checked="" type="radio"/> Wheeled Carts <input type="radio"/> Bags <input type="radio"/> Stickers <input type="radio"/> Multiple Options	384	This non-subscription volume-based curbside program collected 384 tons in 2017. This was a decrease of 6 tons, or 2% since 2016. This community was in contract with Republic for waste and recycling collection services during 2017.

Please provide any other relevant information regarding the curbside programs, such as the addition or elimination of any programs; conversion from totes to carts; challenges; contamination issues; new contracts; education initiatives; etc...

In April of 2017, the City of Lorain transitioned from bag collection to a rolling bin container system for recycling and waste collection.

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County:

Lorain

	COMMUNITY:	HOUSEHOLDS SERVED	PROGRAM TYPE	RECYCLING CONTAINER TYPE	VOLUME-BASED BILLING DISPOSAL	TONS	COMMENTS
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Please provide any other relevant information regarding the curbside programs, such as the addition or elimination of any programs; conversion from totes to carts; challenges; contamination issues; new contracts; education initiatives; etc...

Ohio EPA Comments:

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## DROP OFF - SINGLE COUNTY

SWMD ANNUAL ADR SUBMITTAL | 2017

Lorain County SWMD

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County:

Lorain

	DROP-OFF NAME:	ADDRESS:	COMMUNITY SIZE:	AVAILABILITY:	TONS:	COMMENTS
1	Eaton Township	12043 Avon Belden Road, Grafton, OH 44044	<input checked="" type="radio"/> Urban <input type="radio"/> Rural	<input checked="" type="radio"/> Full-time <input type="radio"/> Part-time		This drop-off continued to operate. Total tons collected are included in curbside totals.
2	Brighton Township	21451 State Route 511, Wellington, OH 44090	<input type="radio"/> Urban <input checked="" type="radio"/> Rural	<input type="radio"/> Full-time <input checked="" type="radio"/> Part-time		This drop-off continued to operate. Total tons collected are included in curbside totals.
3	Huntington Township	45955 OH-162, Wellington, OH 44090	<input type="radio"/> Urban <input checked="" type="radio"/> Rural	<input type="radio"/> Full-time <input checked="" type="radio"/> Part-time		This drop-off continued to operate. Total tons collected are included in curbside totals.
4	Penfield Township	41012 OH-18, Wellington, OH 44090	<input type="radio"/> Urban <input checked="" type="radio"/> Rural	<input type="radio"/> Full-time <input checked="" type="radio"/> Part-time		The Recycling Center hours are the 1st and 3rd Saturdays of each month from 10:00 AM until 3:00 PM.
5	Lorain County Collection Center (Elyria)	540 S Abbe Rd., Elyria, OH 44035	<input checked="" type="radio"/> Urban <input type="radio"/> Rural	<input type="radio"/> Full-time <input checked="" type="radio"/> Part-time		The drop-off at the Lorain County Collection Center accepted 60,000 pounds of commingled recycling, 83,000 pounds of cardboard, 111,153 pounds of books and paper, and 11,746 pounds of scrap metal. Additional materials were also collected, such as HHW, latex paint, and electronics. There was a decrease in CRT monitors Overall, a total of 1,951,684 pounds of materials were collected in 2017, which is a decrease in 304,389 pounds or approximately 13.5% from the previous year. In 2017, there were 20 loads of TV's and monitors compared to 26 loads in 2016.

Please provide any other relevant information regarding the drop-off program, such as additions, relocations or removals, challenges, contamination issues, contracts, education initiatives, etc...

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County:

Lorain

	DROP-OFF NAME:	ADDRESS:	COMMUNITY SIZE:	AVAILABILITY:	TONS:	COMMENTS

Please provide any other relevant information regarding the drop-off program, such as additions, relocations or removals, challenges, contamination issues, contracts, education initiatives, etc...

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# RESIDENTIAL PROGRAMS; COMMERCIAL/INSTITUTIONAL PROGRAMS; INDUSTRIAL PROGRAMS; RESTRICTED/HARD TO RECYCLE MATERIALS

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Lorain County SWMD

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Residential Sector Reduction and Recycling Programs

	CATEGORY	DESCRIPTION	COMMENTS/ACTIVITIES
1	Other Drop-off Recycling	Kipton Village - Camden Township	This paper and cardboard only drop-off, located at 417 State St. in Kipton, continued to operate. Total tons collected are included in curbside totals.
2	Drop-off Recycling Initiatives	Initiative to improve convenience and access	The District provided opportunities and resources to urban areas that do not host a drop-off recycling site through technical assistance and the multi-family. Grant information was sent to all political subdivisions. There were no applications received in 2017.
3	Curbside Recycling Initiatives	City of Lorain Automated Curbside Collection	LC-17.1: Initiative complete. The City of Lorain voted in 2016 to upgrade their manual curbside collection and blue bag recycling system to automated collection for waste and recycling. The new system was rolled out in April of 2017.
4	Other Drop-off Recycling	Commercial Sector Paper Recycling	LC-11.1: The District continued to promote commercial sector paper recycling in its printed outreach materials, through presentations and through targeted promotional activities. A total of 157 Paper Retriever bins collected 1,146 tons of paper. The total tons of recyclable materials collected increased 18% from 2016. Approximately 8 locations were removed since last year. In 2017, the annual tonnage collected from individual sites ranged from 0.06 tons to 77.89 tons. The average tonnage collected at each site was 7.3 tons; the median was 4.51 tons.
5	Curbside Recycling Initiatives	Consortium for Waste Services	The District continued to participate with the existing consortium and provide technical assistance at the direction of the Consortium Board. The Consortium is now in the last year of the five year contract. Other communities may be interested in joining once the contract expires at the end of 2018. LC-30.1: The District kept notes on suggestions it received to improve future consortiums, which will be taken into account for successive consortiums.
6	Other Drop-off Recycling	Paper Retriever - Phone books	Phone books were accepted at the Lorain County Collection Center and at Paper Retriever containers throughout the District.
7	Other Residential Recycling Programs	Shred Truck	The District began operating its new mobile paper shredding truck in 2017. The shred truck was utilized at the following locations in 2017: Grafton Village on 4/22 (991.68 lbs), Columbia Township on 6/17 (3,328 lbs), City of Elyria on 10/21 (4,600 lbs), Black River Landing on 11/4 (3,033 lbs), Eaton Township on 11/11 (2,439 lbs), and Avon Lake on 11/18 (3,328 lbs). The Recycling Center shredded 42,660 lbs.

## Commercial/Institutional Sector Reduction and Recycling Programs

	CATEGORY	DESCRIPTION	COMMENTS/ACTIVITIES
1	Waste Assessment & Audits	Waste Audits	LC-32.1: The District advertised free waste auditing services on its website. In 2017 there were no waste audits conducted.
2	Award/Recognition Programs	Recognition Program	There was no activity in 2017. This will be coordinated in conjunction with the reestablishment of the Business Roundtable.
3	Workgroups/Roundtables	Business Recycling Roundtable	This program was postponed in 2015 and has not been restarted. The program will be relaunched pending restructuring and commissioner approval.
4	Public Venue and Special Event Recycling	Specialized Bottle/Can Collection Program	The District continued to provide collection containers to schools, businesses, and organizations as requested. In 2017, the District provided 249 boxes and 2,412 bags for bottle and can recycling. The District continued to provide collection containers to schools, businesses, and organizations as requested. LC-12.3: District staff continued to look for grant opportunities to offset the costs of purchasing these containers.
5	Other Commercial/Institutional Programs	Zero Waste Planning	There were no new Zero Waste projects started in 2017. The District will continue to approach candidates in 2018 about participating in projects when opportunities are available.
6	Workgroups/Roundtables	Bar & Restaurant Glass Recycling	This program has been discontinued. Market conditions have made it difficult for the District to move forward with this program.

## Industrial Sector Reduction and Recycling Programs

	CATEGORY	DESCRIPTION	COMMENTS/ACTIVITIES
1	Waste Assessment & Audits	Waste Audits	LC-32.1: The District advertised free waste auditing services on its website. In 2017 there were no waste audits conducted.

## Restricted & Difficult to Manage Wastes, Special Collection Events

	MATERIAL TYPE	DESCRIPTION	COMMENTS/ACTIVITIES	TONS
1	Electronics	Electronics Collection	The District accepted 398,846 pounds of electronics from residents during 2017 at the Collection Center. This is a decrease in 203,678 pounds or 51% from 2016. The decrease in electronics is primarily due to two factors: (1) CRT TVs are being phased out of the electronic waste stream. These units were heavy and made up a significant portion of the electronics recycled. Electronics are increasingly made with less or lighter materials, so the volume of electronic waste generated each year has decreased. (2) The District does not provide destruction certificates, so less businesses are using the District's electronics collection program. In 2017, there were 20 loads of TV's and monitors compared to 26 loads in 2016. Weight of electronics is down but the volume is still higher.	199.42
2	HHW	Used Anti-freeze Recycling	The District accepted 2,680 pounds of anti-freeze from residents at the Collection Center in 2017. This was an increase in 280 pounds or 12% from 2016.	1.34

3	HHW	Lorain County HHW Collection Center	<p>The Collection Center served 14,968 residents and 477 businesses in 2017. Compared to 2016, the number of residents served decreased by 2% and the number of businesses served decreased by 39%. The Center collected 263,858 pounds of general HHW, 167,236 pounds of latex paint, 27,457 pounds of rechargeable batteries, 111,153 pounds of books and paper, 23,680 pounds of used motor oil, 2,680 pounds of used anti-freeze, 5,360 pounds of used vegetable oil, 398,846 pounds of electronics, 100,114 pounds of fluorescent bulbs and ballasts, 696,180 pounds of scrap tires*, 11,746 pounds of scrap metal, 60,000 pounds of commingled recycling, 374 pounds of printer cartridges and cell phones, 5,360 pounds of cooking oil, and 83,000 pounds of cardboard. A total of 1,951,684 pounds of materials were collected in 2017, which is a decrease in 304,389 pounds or 13.5% from the previous year. *Scrap tire total reflects total tires collected from all District collection locations.</p>	975.84
4	Other	Fluorescent bulb and ballast recycling	<p>The District collected fluorescent bulbs, lamps, and ballasts at the Lorain County Collection Center. In 2016, the District managed 100,114 pounds of bulbs and ballasts. This is an increase in 1,838 pounds or 2% from the previous year.</p>	50.06
5	Electronics	Printer Cartridge & Cell Phone Recycling	<p>The District collected 374 pounds of printer cartridges and cell phones at the Collection Center in 2017.</p>	0.19
6	Appliances	Microwave Collection	<p>Microwaves are accepted at the Lorain County Collection Center.</p>	

7	Scrap Tires	Scrap Tire Collection	<p>The District maintained three permanent scrap tire collection sites. The Lorain County Collection Center collected 145.19 tons of tires. The District continued to manage tire collection sites at the Lorain City Garage site which collected 89.35 tons of tires and Grafton Township Hall site collected 37.82 tons of tires. The Agricultural tire collection recycled 75.73 tons. The Grafton site collected 47 tons or 56% less tires than the previous year. This is due to the District staffing the site, checking residency requirements, constructing a cage around the site to detour tire dumping, and adding cameras. These changes were made to the Lorain City Garage site and the Grafton Twp. site in late 2016. Prior to the changes, the Grafton site was accepting a substantial amount of tires from Medina County.</p>	348.09
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# EDUCATION/OUTREACH

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Lorain County SWMD

## Education/Outreach

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### Outreach Priority

## Education/Outreach

	CATEGORY	MATERIAL OR FOCUS	DESCRIPTION	COMMENTS/ACTIVITIES
1	Resource Guide	General	Interactive Database of Recycling Locations	LC-1.1: The District continued to promote drop-off recycling at the Collection Center to residents who do not have curbside recycling, as well as maintained an interactive drop-off database, available at recyclesearch.com, which informs residents of additional recycling opportunities in Lorain County for traditional and hard to recycle items. Recycling at the Collection Center is promoted on District's website.
2	Website/Social Media	General	Social Media	LC-1.2: The District continued to utilize social media (facebook.com/LCSolidWaste) to promote recycling events and encourage increased participation in recycling. This is also promoted at events, festivals and speaking engagements
3	Residential Sector Education & Outreach	General	Appliance Recycling	Discontinued.
4	Speaker/Presenter	Organics/Food Waste	OSU Extension: Composting and Manure Handling	No activity in 2017.

	Speaker/Presenter	Yard Waste	OSU Extension - Composting	The OSU Extension for Lorain County distributed instructional compost information to individuals who visited the Lorain County Agricultural Center. Compost and woodchips were used throughout the grounds at the Lorain County Agricultural Center. This allows visitors to learn about applications of their composting practices. The office also ran the following activities/classes: 4/22/17: Earth Day - Composting in a Bottle (14 attendees) • 6/20/17: All About Composting (9 attendees) • 9/19/17: Composting class held for Plum Creek Garden Club (23 attendees) • 10/17/17: Class on positive agricultural practices including composting held for Avon Lake Garden Club • 11/15/17: Composting class held for Elyria Garden Club (12 attendees) • 11/16/17: Compost Display (80 adults and 58 students) • 12/10/17: Seminar for recycling/composting holiday plants.
5	Website/Social Media	Yard Waste	OSU Extension webpage	The OSU Extension for Lorain County continued to host and update a home composting website ( <a href="http://www.lorain.osu.edu/compost">www.lorain.osu.edu/compost</a> ). The site contains important information about getting a home composting system started including composting bins, what can/cannot be composted at home, how to use compost, and a list of "troubleshooting" information.
6	Residential Sector Education & Outreach	General	OSU Extension Yard Waste - Brochures, phone-line, radio	Literature Distribution: Composting How-To information was distributed to individuals who visit the Lorain County Agricultural Center. OSU Extension Help-Line and Office Visits: The office responded to 366 questions from local residents interested in learning more about composting, recycling, and other topics. This also allowed OSU Extension to supply answers to specific questions about composting and gardening. Radio: Live radio reached 20,000 listeners on WEOL 930AM with basic information on composting on 10/20/17.

8	Schools Education & Outreach	General	Residential Recycling Education and Awareness Program	<p>The District's Community Outreach Coordinator, Brandi Schnell performed 135 school presentations reaching 3,915 students and 3 adult presentations reaching 125 residents. Six tours of the Collection Center were given to 143 individuals. The District held a pledge drive throughout Lorain County Schools for America Recycles Day with 24 schools participating, including 1,135 students and teachers signing pledges that they will do their part to recycle more in the upcoming year. An additional 150 pledges were received from various events, including the America Recycles Day display at the Carlisle Visitors Center where there was a drawing for a chance to win a rain barrel. The District continued to hold its annual Calendar Contest. Participation in the contest was excellent. The District received 843 student entries from different schools within Lorain County. Thirteen winners were selected. Each winner received a \$25 gift card which was donated by GT Environmental, a certificate of appreciation and a copy of their artwork. Each winning student also received calendars to pass out to their family. All of the winners were invited to attend a Lorain County Board of Commissioner's meeting to receive recognition and their certificate of appreciation. A Pride Day t-shirt contest was held in 2017. There were 701 entries in this contest which asked students to design a t-shirt for Lorain County Pride Day volunteers to wear during the Pride Day cleanup and beautification events held in May.</p>
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Ohio EPA Comments:

Response created on: Jan 22, 2018 at 10:23 AM CST by matthew.hittle@epa.ohio.gov

Response last updated on: Jun 1, 2018 at 09:46 AM CDT by GT.lorain@gmail.com

# GRANTS/INCENTIVES; FACILITIES; ENFORCEMENT/CLEAN-UP; OTHERS

SWMD ANNUAL ADR SUBMITTAL | 2017

Lorain County SWMD

Please click [here](#) for instructions.

## Grants, Economic Incentives, Market Development

	CATEGORY	DESCRIPTION	COMMENTS/ACTIVITIES
1	Pass-through Grants	Recycling Market Development Grant from Ohio EPA	The District received two grants in 2017 from Ohio EPA. The grants included: A Recycling Market Development Grant for Full Circle Technologies in the amount of \$350,000. A Litter Management Grant for the District in the amount of \$25,000. LC-14.1: The District designated Tiffany Barker to lead the internal grant program.
2	Other Grants	Recycling Revolving Loan Program	In 2017, the District did not receive any applications for loans. One loan remained active.
3	Market Development Programs	District Market Development Grants	The District did not award any Market Development Grants in 2017.
4	Other Grants	New Programs Funding	The District did not use reserve funding to start any new programs in 2017.
5	Other Grants	Lorain County Community Scholarship	The District contributed \$10,000 in 2016 to endow a fund for the Lorain County Community College Foundation to be used for college scholarships. An additional \$5,000 will be contributed annually from 2017 to 2019. In 2017, one scholarship awarded. This scholarship is awarded to one student per year. For scholarship eligibility, the student must be a Lorain County resident who studies under an environmental sciences major through the Lorain County Community College University Partnership.

6	Community Grants	Expanding Residential Recycling Programs	The District provided approximately \$275,000 in Community Incentive Grants to cities, villages, and townships in Lorain County. The purpose of the grants was to provide local governments with financial support to expand or enhance residential recycling programs. Total funding available for the program was based on a formula dependent on disposal fees collected by the District. The total grant funding each community was able to apply for in 2017 was based on the total tons recycled in 2016. Available funding for individual communities ranged from \$196 to \$44,585.
7	Community Grants	Multifamily Housing Recycling Grant	The District issued grant guidelines for communities and apartment managers to participate in this program. There were no applications in 2017.
8	Other Grants	Yard Waste Incentive Grants	The District postponed the launch of this program because the Organics Facility (LC-3.2) was not constructed. In 2017, the Organics Feasibility Study was being drafted. It was completed in 2018 but has not yet been reviewed by all necessary parties. If the study shows the project is economically feasible and the authorization is given to build and operate, then this incentive grant program will potentially begin in 2019.

## Facility Operation

	CATEGORY	DESCRIPTION	COMMENTS/ACTIVITIES

## Enforcement & Clean-up

	CATEGORY	DESCRIPTION	COMMENTS/ACTIVITIES
1	Health Dept. Funding	Health Department Financial Assistance	The District continued to provide financial assistance to health districts. LC-23.1: The health districts merged into one organization in 2017. An annual report of activities completed was submitted to the District. LC-23.2: The health districts began signing an MOU listing the scope of services they will provide to the District prior to performing services for the year.
2	Open Dump & Scrap Tire Clean-up	Open Dump and Scrap Tire Clean up	No applications for funding to clean up open dumping sites or scrap tires were received in 2017.
3	Litter & Community Clean-up	Lorain County Pride Day - Volunteer Litter Collection	Each year, the District hosts Lorain County Pride Day for litter removal and beautification activities for Lorain County municipalities. On Saturday, May 20th, more than two thousand Lorain County residents from 21 communities and 1 county office volunteered their time for cleanup and beautification projects around the County. Pride Day is part of the Keep America Beautiful Great American Cleanup campaign. The Board of Commissioners and the Solid Waste District promote and sponsor this event each year as proud affiliates in good standing with Keep America Beautiful (KAB). The volunteers collected 783 bags of litter, 520 tires, 217 bags of newspapers, 95 bags of plastic bottles, and 107 bags of aluminum cans while cleaning 77 miles of roadways, 140 acres of parks, 23 playgrounds, 4 illegal dumpsites, 19 miles of bike/nature trails, 3 acres of wetlands, 2 miles of lakeshores/beaches, and 1 mile of railroad tracks. In addition to litter clean-up, they planted 160 gardens, 6 edible community gardens, 287 hanging baskets, 8 trees, 128 bulbs/seedlings, and 321 flats of flowers.
4	Litter & Community Clean-up	Clean-And-Beautiful (C.A.B.) Program	The District continued to maintain four trailers stocked with supplies and tools for community groups and organizations to borrow to complete litter clean-up or beautification projects. Two C.A.B. trailers were utilized in 2017 for Pride Day by Amherst and Sheffield Lake.
5	Sheriff Dept. Funding	Environmental Crimes Unit	Throughout 2017, the ECU conducted (62) dumping investigations, (9) open burning investigations and (6) scrap tire transporter violator investigations. This resulted in (59) site clean-ups, 23 court summons issued, (2) felony indictments with convictions, and (6) warnings given with an EPA regulation flyer provided.

## Other Programs

	Category	Description	Comments/Activities
1	Other Programs	County Engineer Road Funding	The District provided \$50,000 to the County Engineer to repair roads damaged by excess solid waste hauler traffic. LC-24.1: The County Engineer submitted an annual report detailing expenditures made using District funding for 2017. The District reviewed the report and found it to be complete and satisfactory. LC-24.2: The County Engineer continues to sign an annual MOU listing the scope of services they will provide to the District prior to performing services for the year.
2	Other Programs	Legal Assistance	The District continued to use outside private council for contracts and other legal issues in 2017.
3	Disaster Debris Management	Disaster Debris Management Plan	The District's Disaster Debris Management Plan remains incorporated in the master emergency plan for Lorain County. In 2017, there were no requests for disaster debris management funding. LC-27.1: Completed in 2016. LC-27.2: The District continues its MOU with Republic which states pricing and hauling costs in the event that a disaster were to occur.
4	Other Programs	Third Party Financial Audit	The District continued to have biannual financial audits. The last audit conducted by a neutral third party was completed in 2016. The next audit will be conducted in 2018. The District also presents a financial overview of revenue and expenditures at all Policy Committee meetings to maintain confidence and transparency between the District and Policy Committee.
5	Other Programs	Host Community Agreement Fee Contract	The Host Community Agreement between Republic Services remained in effect. The Agreement requires Republic Waste Services to pay \$.60 for each ton of out-of-district waste delivered to the Lorain County Landfill.
6	Other Programs	Landfill Capacity Conservation Initiatives	There was no activity in 2017.
7	Feasibility Studies	Energy from Waste Feasibility Assessment	There was no activity in 2017.
8	Feasibility Studies	Organics Facility	In 2016, the District secured a site for the organics facility. The District went out for bid to hire a consultant to assist with the site feasibility and to develop a business plan for the operation. The District hired SCS Engineers to complete this assessment for the business plan as the first step. The draft business plan is to be completed in May 2016. Following the development of the business plan which is Phase 1 the District if it is determined to be a "Go" will develop the license application. Phase III will be to hire an operator or determine if the District can operate the facility.

9	Data Collection Efforts	Yard Waste Data Reporting	There was no activity in 2017.
10	Feasibility Studies	Business Tire Plan Project	The District has a business plan created which also provides an analysis of the market potential for processing scrap tires in Lorain County and northeast Ohio.

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# ANNUAL DISTRICT REPORT - CERTIFICATION AND SUBMITTAL SURVEY

ANNUAL | 2017

Lorain County SWMD

I hereby certify that the information provided is, to the best of my knowledge, accurate and complete. \*



Check this box after verifying that all five implementation table surveys have been marked as complete (Curbside, Drop Off, Education/Outreach, Grants/Other, and Residential/Commercial/Industrial/Hard to Recycle programs). \*



Name: \*

Keith Bailey

Suggestions for revising the ADR submittal system:

None.

If you would like to submit any additional information, data, documents, etc., please attach them below:

1. Additional Information:

[Business Plan Tire Project.pdf](#)

2. Additional Information

3. Additional Information:

4. Additional Information:

5. Additional Information:

Response created on: May 18, 2018 at 09:06 PM CDT by GT.lorain@gmail.com

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