

II. Executive Summary

A. Status of Implementation

The following is a narrative description of the status of implementation under the **previously approved** District Plan, effective March 29, 2004. The status of each strategy discussed in Section V.E of the previous District Plan is reviewed below.

1. Drop-off Recycling Program

The District decreased its drop-off recycling program from seven locations to five locations. In 2014, the District will decrease to four drop-off recycling locations. In 2016, the drop-off recycling locations will decrease from four to one location. The remaining drop-off recycling location will be the Erie County Sanitary Landfill site. The site will be upgraded in 2015 with compactors to decrease the amount of pulls and decrease expenses. The amount of material collected in 2013 was 529.75 tons.

2. Curbside Program

The City of Huron continues to contract curbside trash, recycling, yard waste (including food waste) services to its citizens. The program collected 850 tons of recycling in 2013

3. Community Drop-Off Programs

After the District announced the removal of seven of the fourteen drop-off recycling locations in 2010 three communities took over the operation of their drop-off recycling locations. Tons collected in 2013:

City of Sandusky – total tons 200.26

Kiwanis Park - 103.99 tons

Sandusky Services Center – 96.27 tons

Margaretta Township – 68.11 tons

Vermilion Township – 117.78 tons

4. Special Material Collections

In 2013, the District held the following collections:

Electronics (ongoing year round collection) – 18.98 tons

Battery Recycling (ongoing year round collection) – 3.78 tons

5. Community Grants

In 2013, eleven out of the sixteen political subdivisions held recycling collections and collected 43 tons of material.

6. Education and Awareness Program

The District will be updating the website, maintain a recycling guide, maintain infrastructure, and provide an Outreach and Marketing Plan. The Outreach and Marketing Plan can be found in Appendix K. The Outreach and Marketing Plan will be implemented with the Approval of this Plan.

7. Scrap Tire Program

In 2013, the tire recycling program collected 22.22 tons of tires.

8. Household Hazardous Waste (HHW) Management

The District has provided five (5) – one (1) day collections from June – October since 2012. The collection is held on the last Saturday of the month and residents must pre-register to ensure adequate service. In 2013, the District collected 14.55 tons of materials from 216 cars.

B. Overview of Plan Update

The following is a brief summary of the information contained in Sections III through IX of the Plan Update. The reference year for all data is 2013.

Section III. Inventories

In the reference year, 2013, the Erie County Solid Waste District utilized one in-District Landfill (Erie County Landfill), six out-of-district landfills to dispose of a total of 8,615 tons of solid waste from the District. In addition, one solid waste captive landfill for industrial waste was not in operation.

Four (4) compost facilities were registered in the District in 2013. Only one was open to the public. A number of political subdivisions collected leaves and brush from residents. Optional curbside yard waste collection was available in the City of Huron.

The Erie County Board of Health reported that no open dumps or waste tire dumps operated in the District. No ash, foundry sand or slag disposal sites were in operation.

Four solid waste haulers were licensed to operate in Erie County in 2013.

Section IV. Reference Year Population, Waste Generation, and Waste Reduction

The District's population in 2013 was 71,524. This includes the population of the entire village of Milan, including the portion in Huron County, and excludes the population of the City of Vermilion residing in Erie County, which is part of the Lorain County Solid Waste District.

Using national generation rates from the U.S. EPA and industrial survey data, total waste generation in 2013 was estimated at 138,811 tons. However, using historical data, including actual landfill disposal records, total waste generation was estimated at 380,411 tons as shown below:

Residential/Commercial Waste

Landfill Disposal - GSW	74,401
Landfill Disposal - asbestos	532
Reported Recycling	29,256
Composting	8,661
Yard Waste Land Application	60

Net Incineration	0
Total	112,909
Industrial Waste	
Landfill disposal - ISW	10,374
Reported Recycling	112,200
Composting	0
Total	122,574
Exempt Waste	
Landfill Disposal - Exempt	24,952
Total Waste Generation	260,435

For planning purposes, the District will base future projections on the historical data illustrated above, as it more accurately reflects the waste generation of the District's tourism industry.

Section V. Planning Period Projections and Strategies

The District's planning period is January 1, 2017 through December 31, 2028, a fifteen-year period. The Plan projects population growth, recycling forecasts, and waste tonnage.

The population of the District is projected to grow from 72,700 in 2017 to 73,733 in 2028.

Residential/commercial waste generation is projected to decrease from 75,625 tons in 2017 to 76,698 tons in 2028. Industrial waste generation is projected to stay constant throughout the planning period at 10,374 tons. Exempt waste generation is projected to increase from 25,342 tons in 2017 to 25,701 tons in 2028 based on population changes. Total waste generation is projected to increase from 111,211 tons in 2017 to 112,774 tons in 2028.

The District proposes to meet the Goals established for Solid Waste Districts in the 2009 State Solid Waste Management Plan through the following waste reduction strategies:

1. Non-Subscription Curbside Recycling (Goal #1)
2. Subscription Curbside Recycling Programs (Goal #1)
3. District Operated Drop-Off Recycling Programs (Goal #1)
4. Community Operated Drop-Off Recycling Programs (Goal #1)
5. School Recycling (Goal #1)

6. Tools: Bin Loan Program, G.R.E.E.N. Bean Community Trailer, G.R.E.E.N. Pod Sustainability Trailer, New Sheriff Litter Trailer, (Goal #1, Goal #3, Goal #4)
7. Community Grants Program (Goal #1)
8. Commercial Recycling (Goal #1)
9. Industrial Recycling (Goal #2)
10. Outreach and Education Plan (Goal #3, Goal #4)
11. Outreach and Education Staff (Goal #3, Goal #4)
12. Website Re-Design (Goal #3, Goal #4)
13. Restricted Solid Wastes, Household Hazardous Waste and Electronics Collections: Tires, Yard Waste, Land Application of Yard Waste, Lead Acid Batteries, Household Hazardous Waste Collections, Electronics, Batteries, All Restricted Wastes (Goal #5)
14. Continue Household Battery Recycling Program (Goal #5)
15. Economic Incentives: Non-Subscription Curbside Programs, Promote pay-as-you throw programs, Recycle Bank, Cart Curbside Recycling Programs, Community Report Card (Goal #6)
16. Utilize U.S. EPA's Waste Reduction Model (WARM) or an equivalent model to evaluate the impact of recycling programs on reducing greenhouse gas emissions. (Goal #7)
17. Promote Ohio EPA's Market Development Grants to commercial businesses, industries, and institutions (Goal #8)
18. Reporting to Ohio EPA (Goal #9)

Section VI. Methods of Management: Facilities and Programs to be Used

It is projected that the District will require between 105,092 and 48,688 tons of disposal capacity per year throughout the planning period. The Erie County Sanitary Landfill is designated to receive the District's solid waste, and is expected to receive approximately 97% of the District's total landfilled waste. The remaining 3%, consisting of waste that is exempt, waived or delivered out-of-state, is expected to flow to other landfills in varying amounts.

Erie County received a Permit-To-Install (PTI) from the Ohio Environmental Protection Agency (OEPA) in 2002 for the Erie County Sanitary Landfill. The total capacity covered by this permit equals approximately 6,840,000 gross cubic yards of waste or 3,991,743 net tons of waste disposal and a useful life of 40 years. The application for the permit details how this capacity will be constructed in phases. The footprint for phases 1 and 2 has been constructed.

The Erie County Sanitary Landfill submitted an application November 15, 2006 to the OEPA for the Best Available Technology (BAT) Vertical Expansion Permit-To-Install (VE PTI) for the current permitted landfill. The application for the permit details how the landfill changes from a 4:1 to a 3:1 slope. If the BAT VE PTI is approved effective January 1, 2014 there would be projected 32.1 years of remaining useful life.

The Board of Directors is authorized to designate public facilities for the disposal of District waste. The Plan defines a process to request a waiver from designation and a siting strategy for construction, enlargement or modification of solid waste facilities within the District.

Section VII Measurement of Progress Toward Waste Reduction Goals

The District demonstrated compliance with Goal #1 of the *2009 State Solid Waste Management Plan*, which is to “ensure the availability of reduction, recycling and other waste reduction methods that are alternatives to landfilling for residential/ commercial solid waste. In the reference year 2013, access is demonstrated for 95% of the District population due to overlapping services for at least four materials.

The District demonstrated compliance of Goal #2 to reduce or recycle 50% of industrial solid waste generation, the requirement to reduce or recycle 25% of the municipal waste stream can be met with the current structure of municipal waste collection within the District. The District is currently at 92% for the industrial solid waste stream and 33% for the municipal waste stream.

Section VIII Cost and Financing of Plan Implementation

The District is currently funded by 1) a \$6.00 per ton generation fee, 2) c a contract with the Erie County Landfill on out-of-District solid waste to remit the difference between \$2.00 per ton and the originating-District’s fee (if any) to the Erie County SWMD, and 3) grant funds from various sources.

Throughout the fifteen-year planning period, annual expenditures are projected to decrease from \$515,992 in 2016 to \$522,434 in 2028, due to the re-structure of recycling programs and implementation of user fees. A Contingency Plan is also in place if the Curbside Recycling Initiative cannot be met. The District will incur expenses for the activities and programs:

1. District Coordinator
2. Community Outreach Specialist
3. Environmental Education Intern
4. Office Supplies
5. Plan Update
6. SWMD Drop-Off Program
7. Special Events
8. Website
9. Outreach & Marketing Plan
10. Advertising
11. Sheriff Litter Trailer
12. G.R.E.E.N. Bean Community Trailer
13. G.R.E.E.N. POD Sustainability Trailer
14. Debris Management Plan
15. Community Grants

- 16. Household Battery Collection
- 17. Household Hazardous Waste Collections
- 18. Electronics Recycling
- 19. School Recycling

To meet these program costs, the District will continue the generation fee at \$6.00 per ton for the duration of the planning period. The District does not anticipate securing loans, relying on grants, or relying on landfill contributions to fund plan implementation. The District reserves the right to keep the Generation Fee at \$6 to remain financially solvent in the event of unforeseen decrease in tonnage to operate the basic functions of the District.

Section IX District Rules

The Board of Directors reserves in this Plan all of the rule-making powers authorized by ORC Section 343.01 (G). The Board of Directors is authorized by this Plan to adopt, amend, rescind, publish and enforce rules in all areas authorized in ORC Section 3734.53(C), to the extent any such rules are determined by the Board of Directors to be necessary or desirable to implement any provision or to accomplish any objective of the Plan.

C. Plan Profile**Table ES-1. General Information**

District name: Erie County Solid Waste Management District		
District ID #:	Reference Year: 2007	Planning Period: 2017-2028
Plan Status (underline one)		Reason for Plan Submittal:
<u>D</u> RD DR Approved (date) / / OI (date) / / DA		Mandatory five-year update

Abbreviations: D= draft, RD= ratified draft, DR= draft revised, OI= ordered to be implemented, DA= draft amended

Table ES -2 District Coordinator/Office

Name: Lisa K. Beursken		
Address: 554 River Road, P.O. Box 469		
City: Huron	State: OH	Zip: 44839
Phone: 419-433-7303 x 2304	Fax: 419-433-6214	Email: LBeursken@eriecounty.oh.gov