



MERCER COUNTY SOLID WASTE MANAGEMENT DISTRICT

**2020 – 2034
APPROVED
SOLID WASTE MANAGEMENT
PLAN UPDATE
August 26, 2019**

Prepared by:



MERCER COUNTY SOLID WASTE MANAGEMENT DISTRICT

2020-2034 APPROVED PLAN UPDATE

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I. Introduction

A. Plan Approval Date, Counties in District, and Planning Period Length

1. Under current approved plan:

Date of Ohio EPA approval or order to implement:	April 4, 2013
Counties within district:	Mercer
Years in planning period:	10 (2013-2027)

2. Plan to be implemented with approval of this document:

Counties within District:	Mercer
Years in planning period:	15 (2020-2035)
Year 1 of the planning period:	2020

B. Reason for Plan Submittal

Mandatory five-year plan update.

C. Process to Determine Material Change in Circumstances and Amend the Plan

In accordance with ORC 3734.56(D), the Plan must be revised if the Board has determined that “circumstances materially changed from those addressed in the approved initial or amended plan of the district.” A material change in circumstances shall be defined as a change that adversely affects the ability of the Board of County Commissioners (Board) to:

- (1) Assure waste disposal capacity during the planning period;
- (2) Maintain compliance with applicable waste reduction or access goals; or
- (3) Adequately finance implementation of the Plan.

The Ohio EPA’s Plan Format requires that the Plan Update must include a description of the process the Board will use to determine whether a material change in circumstances has occurred, and, as a result, requires

the preparation of an amended Plan.

The Board shall make the determination of whether a material change in circumstances has occurred according to the following guidelines:

1. Assurance of Waste Disposal Capacity

(a) Reduction in Available Capacity

The District relies primarily on direct haul of solid waste to an in-district landfill and other regional landfills both in-state and out-of-state. In the unlikely event of an extended or permanent closure of an identified facility or a combination of the closure of a landfill(s) accepting solid waste generated in the District impairs the capacity assurance requirement of section 3734.53(A) of the Revised Code or the Plan Format, then a material change in circumstances may have occurred. A material change in circumstances has not occurred, however, if the District is able to secure arrangements to manage the waste formerly received at the closed facility.

The Board within 90 days of the closure of an identified facility, at a regularly scheduled or special meeting of the Board, will determine whether alternate capacity is available to the District or whether a material change in circumstances has occurred.

(b) Increase in Waste Generation

Future capacity needs of the District as outlined in the Plan are based on waste generation estimates. A significant increase in solid waste generation within the District may affect capacity requirements and result in diminished capacity for handling or disposing of solid waste generated within the District. A material change in circumstances may have occurred if waste generation increases, and the increase has a significant adverse impact on capacity for handling or disposing of solid waste generated within the District. A material change in circumstances has not occurred, however, if the Board can identify alternate solid waste facilities to manage the increased waste volume.

During the term of the Plan, District staff periodically will review waste generation and report to the Policy Committee and the Board's representative any increase in solid waste generation within the District that warrants the full Board's consideration of whether there is adequate capacity available to handle or dispose of the increased solid waste volume.

2. Compliance with Applicable Waste Reduction or Access Goals

(a) Delay in Program Implementation or Discontinuance of Essential Waste Reduction or Recycling Activities

Pursuant to the Ohio Revised Code, the Ohio Administrative Code, and the State Plan, the District has established specific goals regarding waste reduction and recycling within the District. The District Coordinator will prepare an annual report (annual district report) for Ohio EPA which will also be presented to the Policy Committee and the Board by the third quarter (July - September) during the planning period. The annual report will identify any delays in program implementation, changes to waste reduction and recycling strategies or other information that may materially and adversely affect Plan implementation. The Board will determine whether any delay, changes to waste reduction and recycling strategies or other information is material. Should a significant delay in program implementation or the termination of programs result in the inability of the District to achieve State Plan goals, the Board will consider whether a material change in circumstances has occurred that requires an update of the Plan. A material change in circumstances has not occurred, however, where the Board is able to implement new programs or modify existing programs to achieve the State Plan goals.

3. Financing of Plan Implementation

(a) Decrease in Waste Generation

The District generates revenues to finance implementation of the Plan from a \$2.00 per ton fee on the disposal of solid waste within the District, \$4.00 per ton fee on the disposal of solid waste from out-of-district and \$2.00 per ton fee on the disposal of solid waste from out-of-state as authorized by section 3734.57 (B) of the Ohio Revised Code (the "Disposal Fee"). A significant reduction in the generation of waste within the District could result in a significant decrease in revenue and adversely affect the ability of the Board to finance the implementation of the Plan. The District Coordinator monitors revenues and reports changes in financial condition to the Policy Committee and Board at regular intervals. The Policy Committee, based on recommendations from the District Coordinator, will review and revise the budgets and funding priorities to provide funds to implement the Plan. The Policy Committee will direct the District Coordinator to inform the full Board if a material change in circumstances may have occurred where a significant reduction in revenue adversely affects the Board's ability to finance Plan implementation. No material change in circumstances has occurred, however, if the Board is able to maintain critical programs at current

funding levels through re-allocation of District revenues, or through the funding contingency plan contained in Section VIII of this *Plan Update*.

4. Procedures where Material Change in Circumstances has Occurred

If at any time the Board determines that a material change in circumstances has occurred and an update to the Plan is necessary, the Board shall prepare a Draft Amended Plan. The Board shall proceed to adopt and obtain approval of the Amended Plan in accordance with divisions (A) to (C) of section 3734.55 of the Revised Code.

The District Coordinator, staff and Policy Committee monitors conditions of programs, waste volumes and revenues necessary to determine whether there has been a material change in circumstances necessitating an update of the Plan. If the Policy Committee and/or the District Solid Waste Manager presents information to the Board and the Board determines a material change in circumstances has occurred, the Board shall notify Ohio EPA within 60 days of that determination.

D. District Formation and Certification Statement

A copy of the original resolution forming the District is included in Appendix A. All public notices in local newspapers publicizing hearings and comments on the *Plan Update* are included in Appendix B. A certification statement signed by members of the Policy Committee asserting that the contents of the *Plan Update* are true and accurate is included in Appendix C. The certification statement was signed by a majority of the Policy Committee members for both the draft amended *Plan Update* and the ratified draft amended *Plan Update*. Appendix C also includes resolutions by the Policy Committee adopting the *Plan Update* prior to ratification and certifying that the *Plan Update* has been properly ratified. A list of all political jurisdictions in the District which voted on the *Plan Update* ratification, their populations, and the percentage of the population represented by the political jurisdictions which ratified the *Plan Update* is included in Appendix C.

E. Policy Committee Members

The Policy Committee for the District is comprised of seven members from Mercer County. These members will include:

The president of the board of county commissioners or their designee	The mayor, or a representative chosen to act on his/her behalf, of the largest city in the county
A member representing the townships within the county chosen by a majority of the board of township trustees within the county	The health commissioner, or a representative appointed by the health commissioner to act on his/her behalf
One industrial representative to act on behalf of the industries located within that county	A member representing the general interests of citizens who has no conflict of interest through affiliation with a waste management company or significant generator of solid wastes

The following committee members are listed in accordance with the political jurisdictions and constituencies they represent:

Policy Committee Member	Representing
Jerry Laffin, Chairman	County Commissioners, Policy Committee Chairman
Joe Wolfe	Interests of the City of Celina
Michelle Kimmel	Interests of the Health District
Marvin Siefring	Interests of Townships
Eric Thomas	Public
Tom Saddler	General Interests of Citizens
Janis Tindall	Interests of Industries

F. Board of County Commissioners

The following board members are listed:

Board Member	Role
Greg Homan	County Commissioner
Jerry Laffin	County Commissioner – Chairman
Rick Muhlenkamp	County Commissioner

G. District Address and Phone Number

Mercer County Solid Waste Management District
220 W. Livingston Street, Suite A230
Celina, Ohio 45822

Contact: Kent Hinton
District Coordinator

Phone: (419) 586-3695
Fax: (419) 584-1820
Email: solidwaste@mercercountyohio.org

H. Technical Advisory Council and Other Subcommittees

The District did not establish a Technical Advisory Committee during the preparation of the *Plan Update*.

I. Policy Committee Review of Plan Update

The Policy Committee shall annually review implementation of the *Plan Update* under section 3734.55 of the Ohio Revised Code and report its findings and recommendations regarding implementation of the plan to the Board of County Commissioners of the District.

II. Executive Summary

The Mercer County Solid Waste Management District (District) is submitting a fifteen-year solid waste plan that will be updated in five years as required by the Ohio Revised Code (ORC). This *Plan Update* will cover a fifteen-year planning period ending in 2034. This *Plan Update* includes a description of the District's programs for the residential, commercial/institutional, and industrial sectors as well as projections for these programs, solid waste generation, recycling, and disposal for fifteen years. It also identifies the District's strategies for managing the District's facilities and programs and provides an assessment on achieving statewide recycling and waste reduction goals. This *Plan Update* follows Ohio EPA's Format version 3.0. The Format requires specific narrative information and data tables. There are nine major sections to the Plan Format.

Section I

- Includes basic information about the District and an important section on determining when material changes would require an amendment to the *Plan Update*.

Section II

- An Executive Summary which includes brief narrative descriptions of each section in the *Plan Update*.

Section III

- Includes an inventory of facilities, activities, and haulers used by the District in the reference year (2016).

Section IV

- Includes the reference year statistics for the *Plan Update* including population data, waste generation and waste reduction estimates for the residential/commercial sector and the industrial sector.

Section V

- Includes projections of population, waste generation and waste reduction for each year of the planning period.

Section VI

- Includes the District's management of facilities and programs to be used by the District throughout the planning period.

Section VII

- Presents how the District meets the state waste reduction and recycling goals.

Section VIII

- Includes a presentation of the financial resources of the District necessary to implement this Plan.

Section IX

- District rules proposed, approved and authorized for adoption are presented by the District

This Executive Summary provides an overview of each section of the *Plan Update*.

A. Section I. Introduction

Section I includes basic information about the District including:

- Plan Approval Date
- Counties in the District
- Length of Planning Periods
- Reasons for Plan Submittal
- Process to Determine Material Change in Circumstances
- District Formation
- Description of Board of County Commissioners
- District Address and Phone Numbers

The District is comprised of Mercer County and a very small portion of Darke County.

The current Plan was approved by Ohio EPA on October 4, 2014 and covers a fifteen-year planning period. This *Plan Update* begins with the planning year 2020 and includes a fifteen-year planning period.

The District is governed by a Policy Committee and a Board of County Commissioners. The current members of the District's Policy Committee are as follows:

Policy Committee Member	Representing
Jerry Laffin, Chairman	County Commissioners, Policy Committee Chairman
Joe Wolfe	Interests of the City of Celina
Michelle Kimmel	Interests of the Health District
Marvin Siefring	Interests of Townships
Eric Thomas	Public
Tom Saddler	General Interests of Citizens
Janis Tindall	Interests of Industries

The current members of the District's Board of County Commissioners are as follows:

Board Member	Role
Greg Homan	County Commissioner
Jerry Laffin	County Commissioner – Chairman
Rick Muhlenkamp	County Commissioner

Process to Determine Material Change in Circumstances and Amend the Plan

In accordance with ORC 3734.56(D), the District's Solid Waste Management Plan (*Plan Update*) must be revised if the Board of County Commissioners (Board) has determined that "circumstances materially changed from those addressed in the approved initial or amended plan of the district." The material change in circumstance policy is included in Section I of this *Plan Update*.

Technical Advisory Council and Other Subcommittees

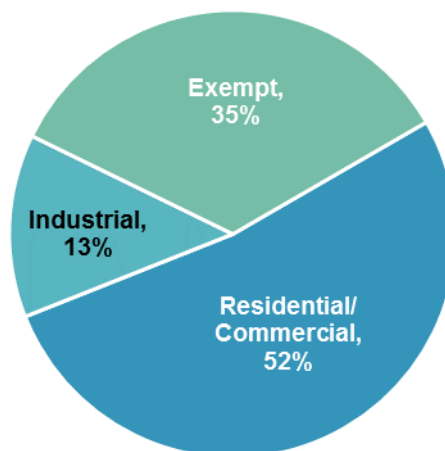
The District did not establish a Technical Advisory Committee during the preparation of the *Plan Update*.

B. Section III. Inventories

Section III provides an inventory of facilities, programs and activities during the reference year of the *Plan Update*. The reference year for the *Plan Update* is 2016.

1. Existing Solid Waste Landfills

The District used 1 in-district, 5 out-of-district, and 3 out-of-state landfills to provide disposal capacity for District waste. Approximately 29,600 tons of solid waste was directly disposed in landfills by District residents, commercial businesses, and industries in 2016. An additional 11,500 tons of solid waste was delivered to transfer facilities, and 32 tons were managed at a waste-to-energy facility, bringing the total solid waste disposal to approximately 41,100 tons. Landfill and transfer station disposal was very even for the District for the method of waste disposal. The District's disposal distribution by sector, as indicated in the following chart, resulted in 15,504 tons or 52% of solid waste being disposed by the residential/commercial sector, 10,209 tons or 35% was classified as exempt waste, and the remaining 3,920 tons or 13% was disposed by the industrial sector and the remaining

2016 Waste Tonnage Landfilled by Sector**2. Existing Incinerators and Resource Recovery Facilities**

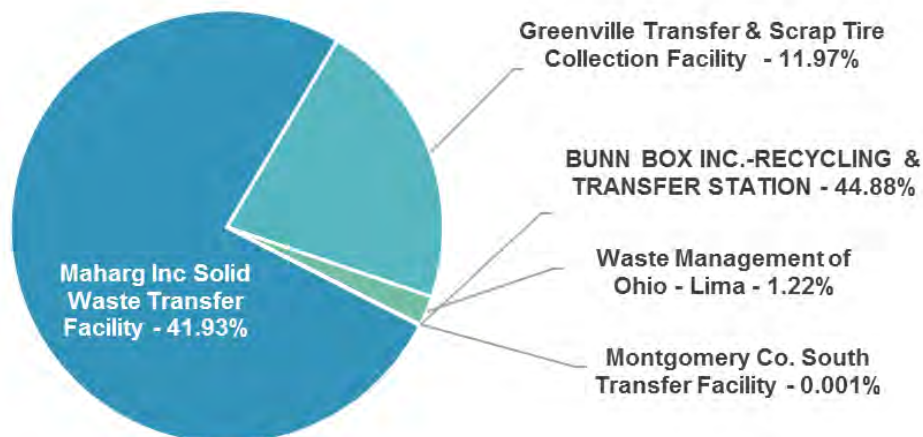
The District used 1 out-of-district incinerator facility to process 32 tons in 2016. No publicly-available incinerators or resource recovery facilities currently exist within the District.

3. Existing Transfer Facilities

Total transferred solid waste and exempt from the District in 2016 was 20,800 tons of which 1 in-district transfer facility processed 8,733 tons (76%) and 3 out-of-district transfer facilities processed 2,747 tons (24%), and 1 out-of-state transfer facility processed 8 tons (0.07%) of District solid waste in 2016.

The in-district Maharg Transfer Station (Mercer County) accepted the highest amount of waste at 8,733, followed by out-of-district Greenville Transfer Station (Darke County) at 2,493 tons, Waste Management Transfer Facility (Allen County) at 253 tons, Montgomery Co. South Transfer Facility at 0.13 tons, and out-of-state Bunn Box Inc Recycling and Transfer Station at 8 tons.

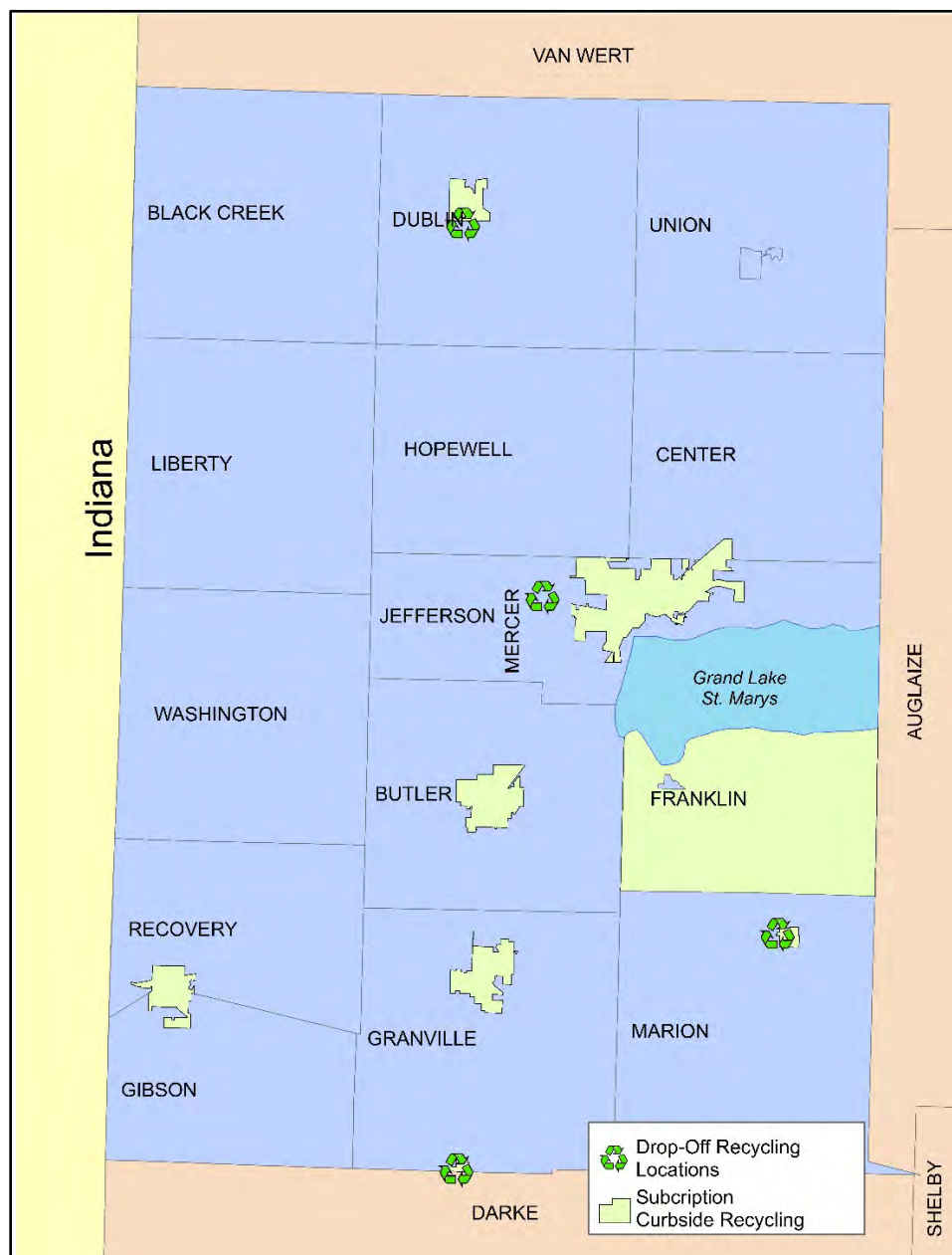
The following graph depicts the transfer stations used by the District in 2016 and their respective market share.

2016 Transfer Stations Used by the District**4. Existing Recycling and Household Hazardous Waste Collection Activities**

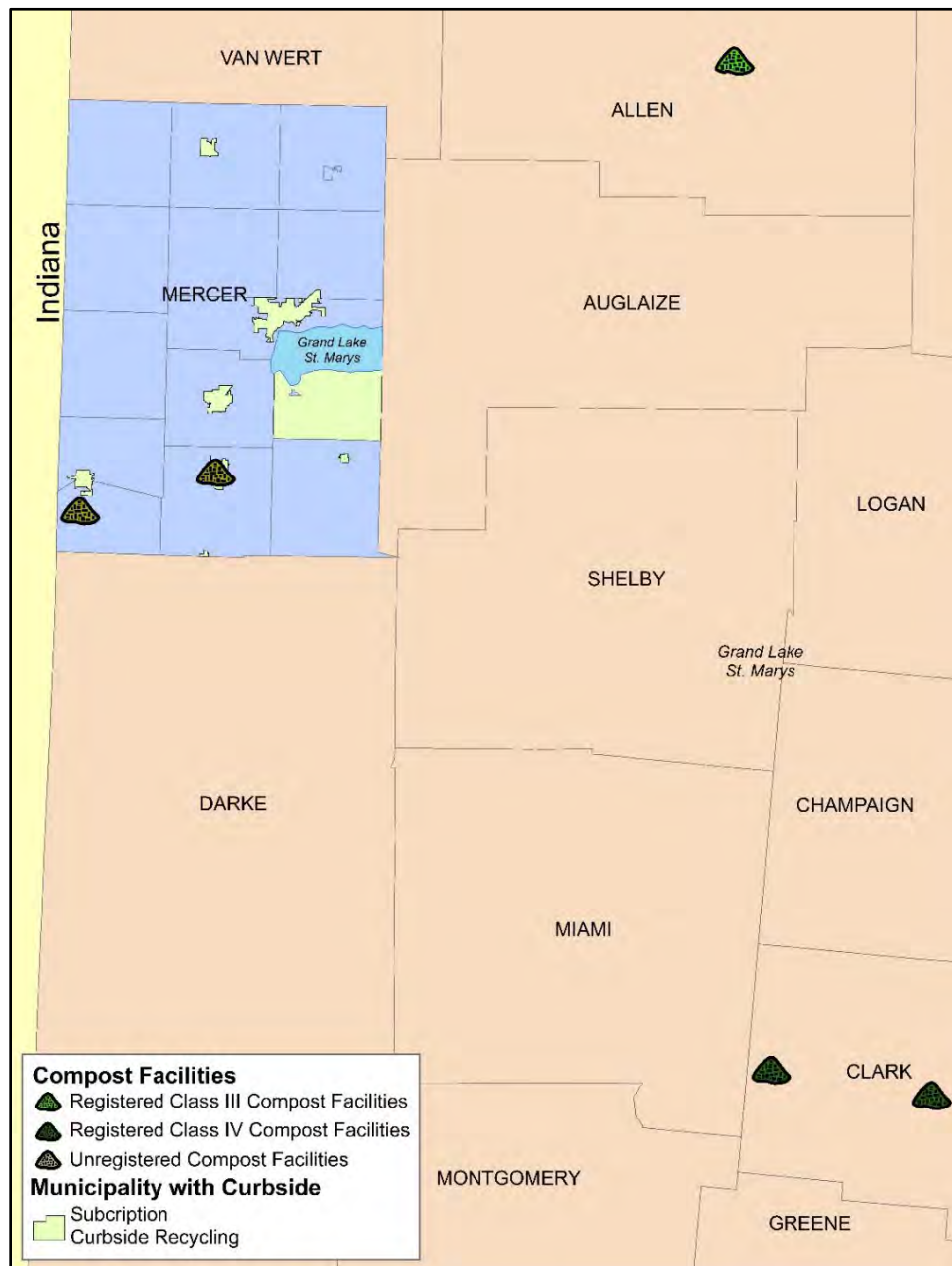
The District had 8 communities that operated subscription curbside recycling programs in 2016. Each of the programs collected aluminum cans, steel containers, glass and plastic. In addition, the programs collected cardboard, magazines, mixed paper and office paper. A total of 598 tons of materials were recycled. The following figure depicts the curbside recycling programs in 2016:

2016 Curbside Recycling Programs

The District had a total of 4 full time multi-material recycling drop-off facilities and two part-time newspaper only, recycling drop-offs located throughout the District in 2016. The drop-off facilities collected aluminum cans, steel containers, glass and plastic. In addition, the facilities collected cardboard, magazines, newspaper, mixed paper and office paper. The following figure depicts the drop-off recycling programs in 2016:

2016 Multi-material Drop-Off Recycling Sites**5. Existing Composting/Yard Waste Management Facilities**

In 2016, there were 3 registered yard waste composting facilities and 2 non-registered composting facilities/activities in the District. In total, these facilities composted 4,229 tons of yard waste materials in 2016. The following figure depicts the locations of these facilities:

2016 Yard Waste Management Facilities**6. Existing Open Dumps and Waste Tire Dumps**

There were no open dumps or waste tire dumps in the District during 2016.

7. Existing Foundry Sand and Slag Disposal Sites

There were no foundry sand/slag disposal sites in the District in 2016. The site listed in Table III-8, "Open Dumps and Waste Tire

Dumps Located in the District,” was listed in a previous plan and has since been cleaned up.

8. Existing Collection Systems - Haulers

There were 11 private sector haulers and 1 public sector hauler that provided the majority of service to the District.

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

Section IV presents statistics and programs operating in the reference year 2016. Waste generation is estimated using national averages adjusted by Ohio EPA. Actual waste generation from the reference year is extrapolated and evaluated against the estimated generation.

1. Reference Year Population and Residential/Commercial Waste Generation

The total adjusted population for the District in 2016 was 41,000. The District projected residential/commercial waste using Ohio EPA's September 4, 2002, recommendations for estimating per capita waste generation. For 2016, the per capita residential/commercial waste generation estimate was 5.17 pounds per person per day. The formula for projecting the residential/commercial waste generation using the “national projections” that were adjusted by Ohio EPA is presented in Table IV-1. This methodology estimated the District's residential/commercial waste generation was 38,716 tons in 2016. This estimate is the same compared to the residential/commercial waste generation of 38,716 tons recorded by landfills and transfer stations (26,843 tons) plus reported recycling and source reduction activities (11,874 tons). For further discussion on reconciling the waste generation values, see Section IV.H of this *Plan Update*.

2. Industrial Waste Generation

The District calculated the generation rate and tons of waste generated per employee for each SIC code from the survey respondents. For those SIC codes where no industries responded, the District used the generation rate from Appendix JJ of the Ohio EPA Plan Format to estimate waste generated. A total of 70,608 tons of industrial waste was generated by the District. Approximately 94% (66,520 tons) was reported in the surveys.

3. Exempt Waste

Exempt waste is material such as construction and demolition debris which is not defined as a solid waste. Exempt wastes may be managed in landfills that have different and often less stringent environmental control requirements. Table IV-3 shows the total exempt waste generated by the District was 10,225 tons. This includes the exempt waste reported by the landfills and transfer stations receiving the District's waste in Tables III-1 and III-3.

4. Total Waste Generation

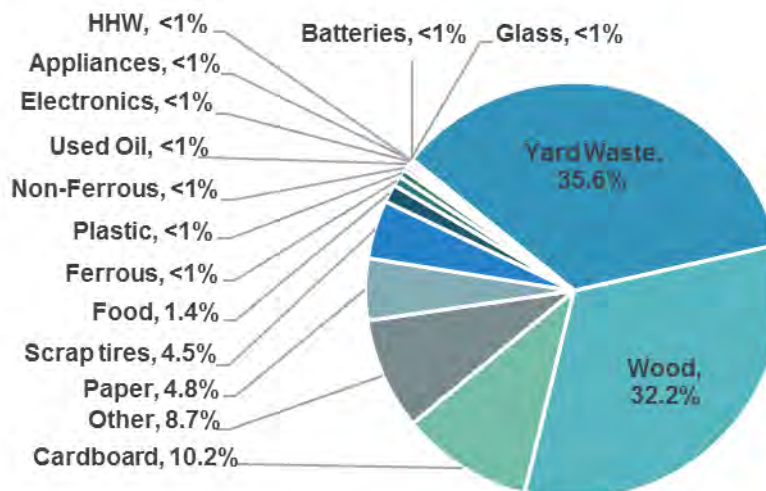
Table IV-4, "Reference Year Total Waste Generation for the District," presents the total waste generated using national and industrial projections. Using the national averages adjusted by Ohio EPA, the District projected 125,328 tons of waste was generated in 2016 from all sectors. This included residential/commercial waste generation of 38,716 tons (Table IV-1), 76,388 tons (Table IV-2) of projected industrial waste and 10,225 tons of exempt waste (Table IV-3). The total waste generation listed in Table IV-4 was 5,780 tons more than the total in Table IV-8 as calculated using landfill data and reported recycling and waste reduction, including exempt waste.

5. Reference Year Waste Reduction

Residential/Commercial Sector

The District had 11,874 tons of residential/commercial waste recycled in 2016.

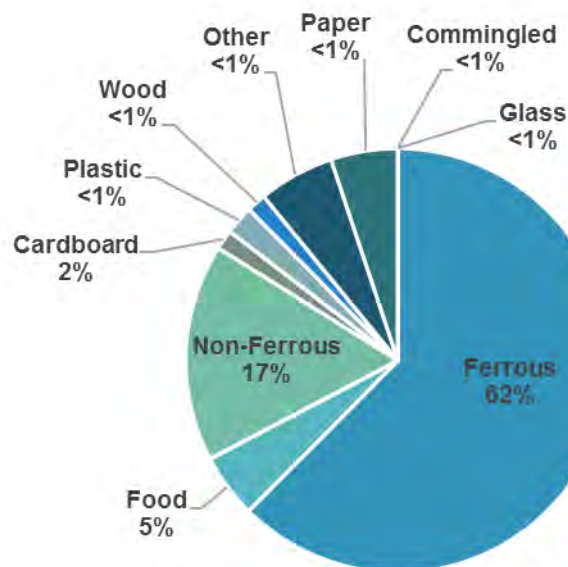
2016 Residential/Commercial Waste Reduction



Industrial Sector

The industrial sector recycled 66,520 tons in 2016.

2016 Industrial Waste Reduction



6. Existing Waste Reduction/Recycling Activities for Residential, Commercial and Industrial Sectors

In the 2016 reference year, the following facilities/programs were implemented:

Residential/Commercial Recycling and Waste Reduction Programs

- Curbside Recycling
- Drop-Off Recycling
- Yard Waste Management
- Household Hazardous Waste Management
- Lead Acid Battery Recycling
- Used Oil Management
- Scrap Tire Management
- Electronics Management
- Appliance Collection
- County Offices Recycling Program
- Litter Collection

Market Development Programs

- Market Development Support

Residential/Commercial/Industrial Sector Education and Awareness Programs

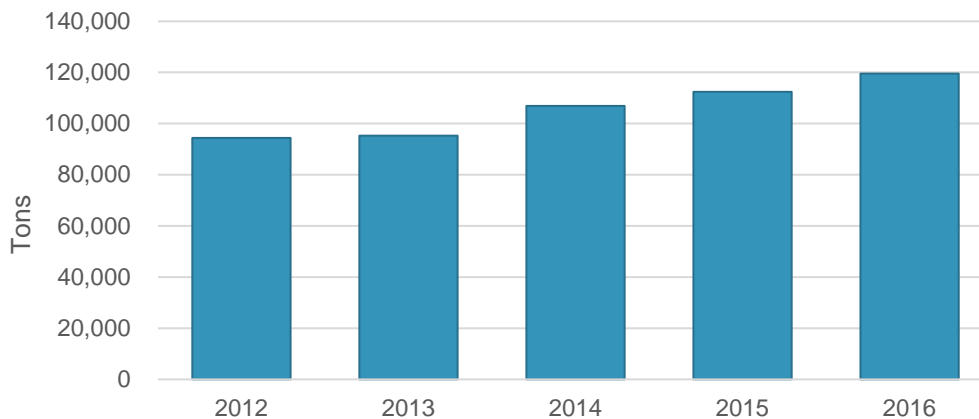
- Education and Awareness

Other Programs

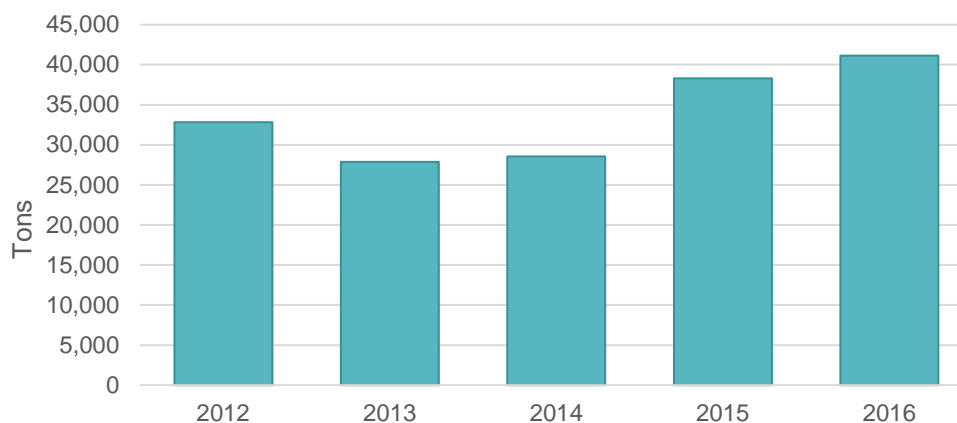
- Plan Implementation, Preparation, and Monitoring
- Health Department Funding
- Other Facilities

7. Total Waste Generation: Historical Trends Plus Waste Reduction

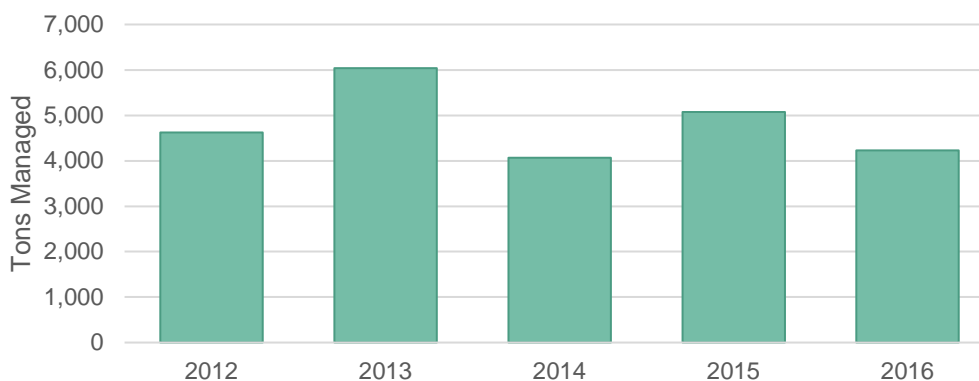
District Historical Total Generation

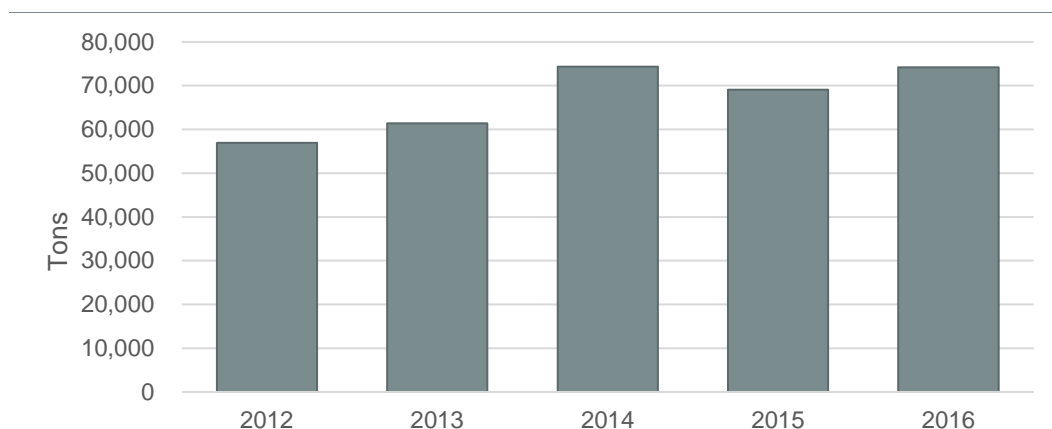


District Historical Landfill Disposal

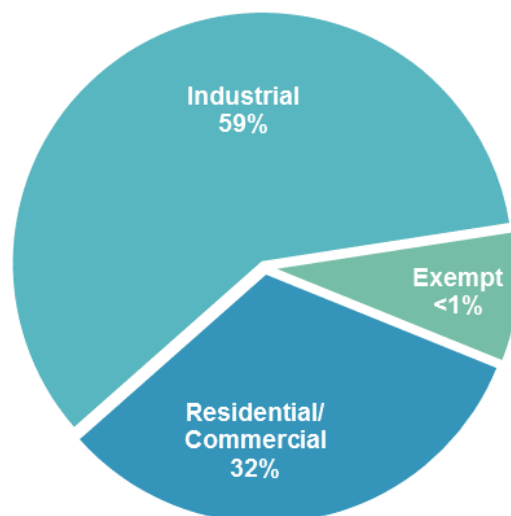


District Historical Yard Waste Management



District Historical Waste Reduction**8. Reconciliation of Waste Generation**

The District is using actual disposal and recycling to calculate waste generation. For 2016, the District generated 119,548 tons. This includes recycling and waste disposal from all sectors. The residential/commercial sector generated 38,716 tons or 5.17 pounds per person per day which includes recycling and yard waste composting. Industrial waste was projected at 70,608 tons or approximately 9.44 pounds per person per day. The following figure depicts the reference year waste generation by sector.

2016 Adjusted Waste Generation by Sector

D. Section V. Planning Period Projections

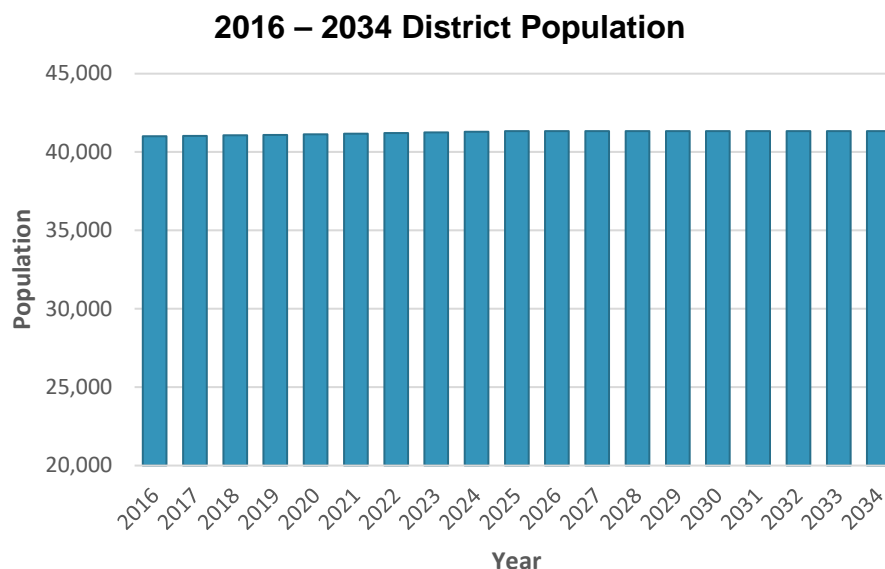
1. Planning Period

The planning period for the *Plan Update* is January 1, 2020 – December 31, 2034.

2. Population Projections

The District anticipates population will increase, on average, 0.044% annually from 2016 through 2034, the final year of the planning period. The population projections for future years were estimated using growth rates provided by the Ohio Department of Development Office of Strategic Research *2015 Ohio County Profiles*. The District is projected to start the planning period in 2016 with a population of 41,000 and end in 2034 with a total population of 41,328. This is a population increase of 0.008% for the planning period (2020 – 2034) or 0.044% annually.

The following graph depicts the estimated total District population throughout the planning period.



3. Waste Generation Projections

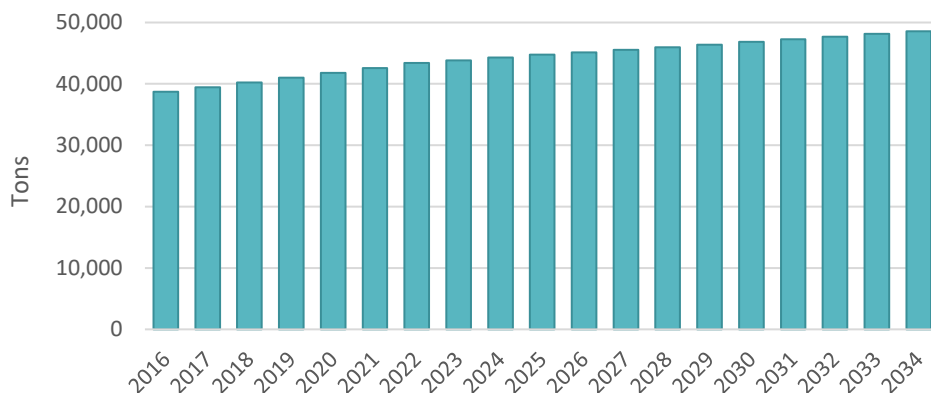
Residential/Commercial Sector

The total residential/commercial waste generation estimate for 2016 was 38,716 tons. Waste generation is projected to increase throughout the planning period from 2020 – 2034. Beginning in 2020, the first year of the planning period, residential/commercial

waste is projected to be 40,409 tons. This is expected to increase to 46,637 tons in 2034, a 15.4% increase during the planning period.

The following graph depicts the estimated residential/commercial waste generation throughout the planning period.

2016 – 2034 Residential/Commercial Waste Generation

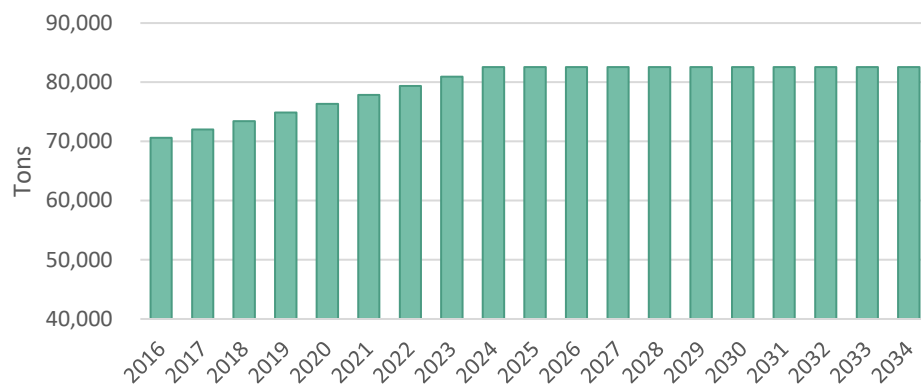


Industrial Sector

The District projects industrial waste will increase from 70,608 tons in the reference year to 76,344 in 2020, then increase to 82,546 tons in 2034, the final year of the planning period.

The following graph depicts the estimated industrial waste generation throughout the planning period.

2016 – 2034 District Industrial Waste Generation

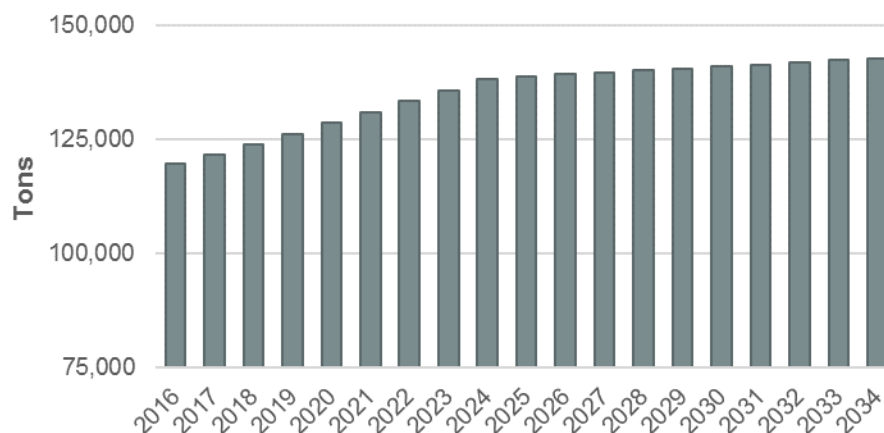


Total Waste Generation

Total waste generation is projected to increase 14,797 tons over the fifteen-year planning period (2020 – 2034) from 128,537 to 142,763 tons in 2034, an 11% change. This change is primarily from the increase in projected residential/commercial waste generation.

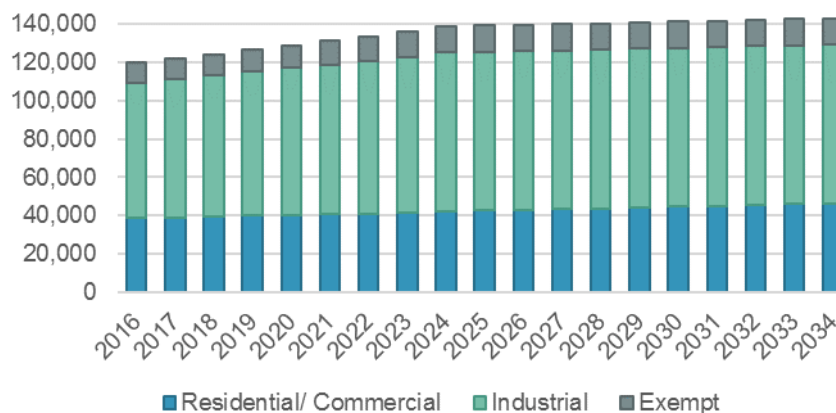
The following graph depicts the total waste generation from the reference year (2016) to the final year in the planning period (2034).

2016 – 2034 Total District Waste Generation



The following graph depicts the waste generation per sector as a percentage of the total waste generation.

District Total Waste Generation from 2016 – 2034



4. Projections for Waste Stream Composition

The District does not anticipate any major changes in the composition of the waste stream during the planning period.

5. Waste Reduction and Recycling Strategies through the Planning Period

The District offers numerous recycling programs designed to assist the residential, commercial and industrial sectors divert solid waste from the landfill. The District must continue to develop recycling and waste reduction strategies to meet the goals established in the 1995 State Plan.

For 2020 – 2034, unless otherwise stated, the following facilities and programs will be implemented:

Residential/Commercial Recycling and Waste Reduction Programs

- Curbside Recycling
- Drop-Off Recycling
- Yard Waste Management
- Household Hazardous Waste Management
- Lead Acid Battery Recycling
- Used Oil Management
- Scrap Tire Management
- Electronics Management
- Appliance Collection
- County Offices Recycling Program
- Litter Collection

Market Development Programs

- Market Development Support

Residential/Commercial/Industrial Sector Education and Awareness Programs

- Education and Awareness

Other Programs

- Plan Implementation, Preparation, and Monitoring
- Health Department Funding
- Other Facilities

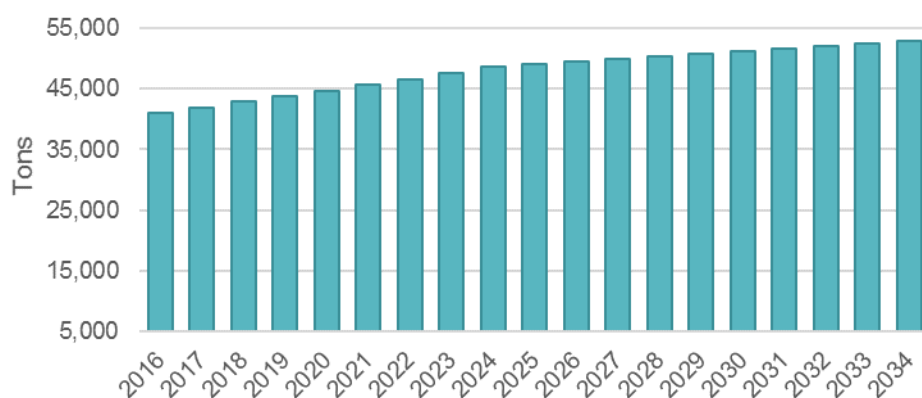
E. Section VI. Methods of Management: Facilities and Programs

Section VI presents the District's methods for managing solid waste. It includes management methods, a siting strategy, and a demonstration of capacity for the planning period 2020 – 2034.

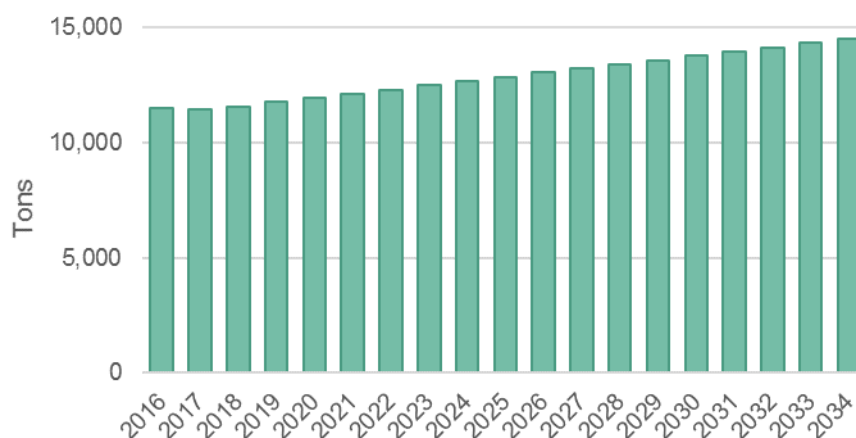
1. Methods for Management of Solid Waste

The following figures depict the District's overall landfill disposal and transfer projections, residential/commercial landfill disposal, industrial landfill disposal, yard waste and waste reduction projections for all sectors for the entire planning period.

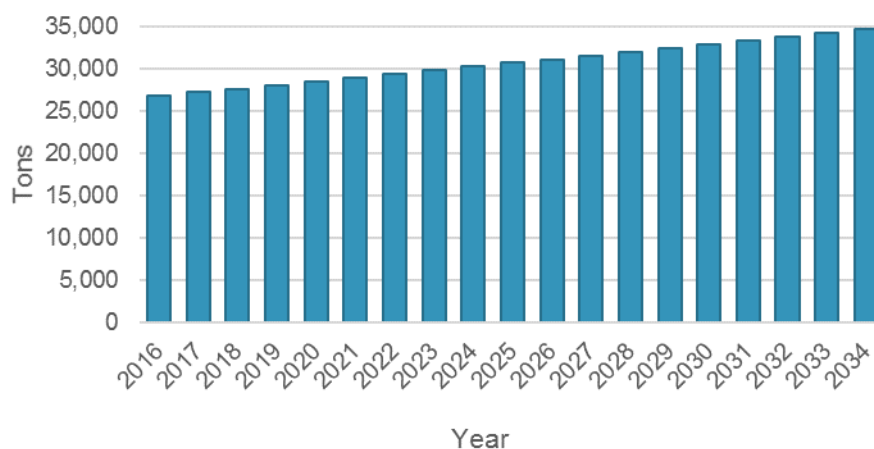
2016 – 2034 District Waste Landfill Projections



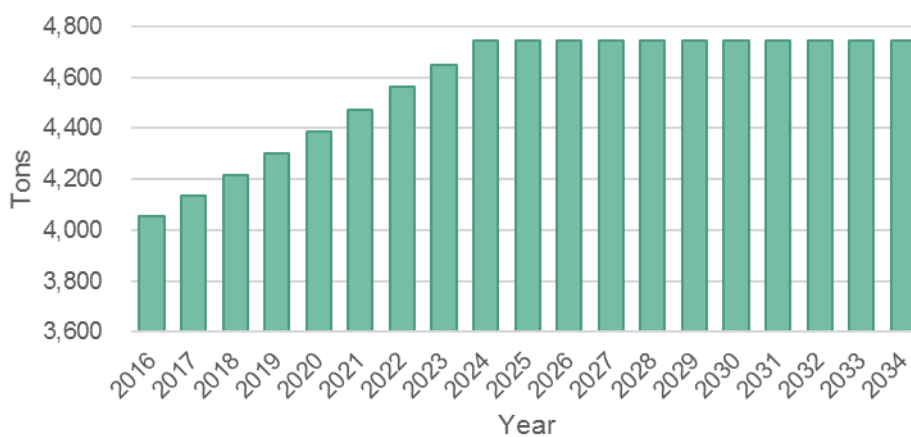
2016 – 2034 District Waste Transferred Projections



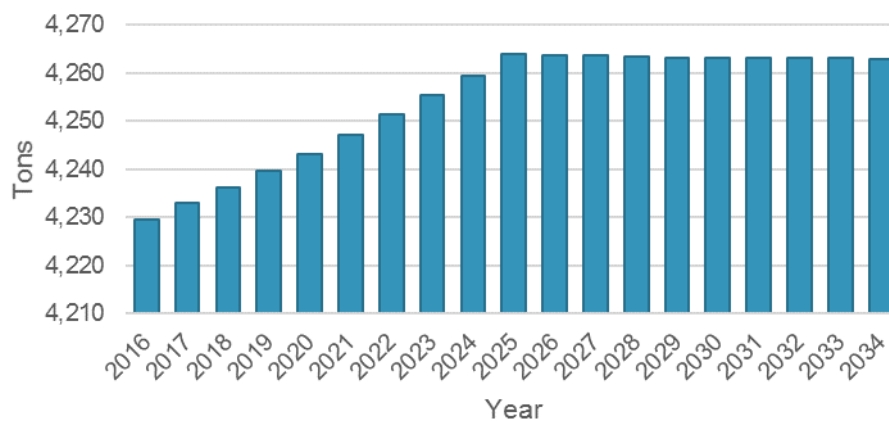
2016 – 2034 District Residential/Commercial Landfill Projections



2016 – 2034 District Industrial Landfill Projections



2016 – 2034 District Waste Composted Projections



2. Demonstration of Access to Capacity

During the 2016 reference year, the District utilized 1 in-district, 5 out-of-district landfills and 3 out-of-state landfills for direct haul disposal. The District also used 1 in-district and 3 out-of-district transfer stations. Of these facilities, the District relied on both landfills 78.2% (41,122 tons) and transfer stations for 21.8% (11,488 tons) for solid waste disposed by District generators.

Regional Capacity Analysis

The purpose for the regional capacity analysis is to evaluate and demonstrate that the District has access to disposal capacity during the planning period. In order to conduct a landfill capacity analysis, the District first developed a list of landfills used in the reference year (2016) that generators sent their waste to directly. Then the District developed a list of landfills used by the transfer stations that reported District waste receipts in 2016. The District then conducted a capacity analysis for the combined list of landfills to determine their projected life expectancy based on their average daily receipts. The evaluation also determined each landfill's estimated cubic yard of air space available. Finally, the District calculated the amount of tonnage and compacted cubic yards of air space needed for the entire planning period by the District.

Based on the regional disposal capacity analysis, the District has demonstrated that access to landfill capacity is achieved for the entire planning period. The District's assessment of regional landfill capacity demonstrates there is sufficient permitted capacity available to manage the District's solid waste until December 31, 2034.

3. Schedule for Facilities and Programs: New, Expansions, Closures, Continuations

Table VI-5, Implementation Schedule for Facilities, Strategies, Programs and Activities: Dates and Description, present descriptions and dates of operation for each facility, program or activity presented in the *Plan Update*.

4. Identification and Designation of Facilities

The District continues to support an open market for the collection, transport and disposal of solid waste. As required in Section 3734.53(A)(13)(a) of the Ohio Revised Code, the District is identifying all Ohio licensed and permitted solid waste landfill,

transfer and resource recovery facilities and all licensed and permitted out-of-state landfill, transfer and resource recovery facilities. The District is also identifying recycling and composting programs and facilities that are identified in Section III Inventories.

5. Authorization Statement to Designate

The Board is authorized to establish facility designations in accordance with Sections 343.013 and 343.014 of the Ohio Revised Code. In addition, facility designation will be established and governed by applicable District rules.

6. Waiver Process for the Use of Undesignated Facilities

The District's waiver process is detailed both in scope and context. The full version of the process is included in Section VI.

7. Siting Strategy for Facilities

The District's siting strategy is detailed both in scope and context. The full version of the process is included in Section VI.

8. Contingencies for Capacity Assurance and Authority Program Implementation

The District does not anticipate any capacity assurance or program implementation problems during this planning period. Three of the landfills used by the District have ample capacity available throughout the planning period. There are several landfills in northwest Ohio and eastern Indiana with the capability to provide capacity if an emergency arose with the landfills used by the District. The District historically funded implementation of its solid waste management plan based on disposal fees levied under O.R.C. § 3734.57(B) on solid waste disposed at the Celina Landfill. The impending closure of the Celina Landfill is likely to disrupt this funding mechanism and require the District to pursue other funding mechanisms that, from the District's view, are more difficult to initiate, maintain and enforce. The District reserves the right to engage in bilateral or multi-party efforts to work with the Celina Landfill on options to extend the facility's capacity and operation during the planning period.

If there is an emergency impacting the District, the Board will meet on an emergency basis and determine the appropriate actions to take to ensure compliance with this *Plan Update*.

The District is nearly 100% reliant on out-of-district landfill capacity. While District disposal capacity is assured for the duration of the planning period, aspects of management, control and pricing are real concerns to the District.

The District has prepared options to explore if landfill capacity, solid waste management, or the cost of solid waste collection, transportation and disposal deteriorates to unacceptable levels as determined by the Board. These options may impact the transfer of solid waste.

While it is likely that the private and public sectors will continue to serve the transfer capacity needs of the District, the District reserves the right to respond to changes in the solid waste market and/or management conditions without seeking a full amendment (see material change in circumstances) of the adopted *Plan Update*.

Recycling in the District remains strong with ample infrastructure to handle the District's current and future needs. In the unlikely event that future District residential recycling needs are not met by the private sector, the District will evaluate whether the District should provide, directly or indirectly, recycling services.

While it is highly likely that the private sector will continue to serve the recycling, processing needs of the District, the District reserves the right to respond in a timely fashion to changing market and/or management conditions without seeking a full amendment of the adopted *Plan Update*.

F. Section VII. Measurement of Progress Toward Waste Reduction Goals

Compliance with Goal #2

The District will comply with Goal #2, which requires the District to:

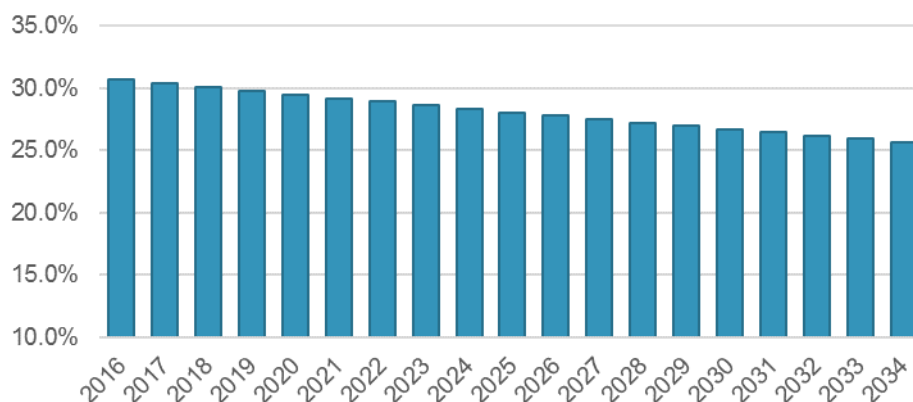
- Reduce or recycle at least 25% of the residential/commercial waste generated; and
- Reduce or recycle at least 50% of the industrial waste generated.

1. Residential/Commercial Sector

In 2016, approximately 31% of the District's residential/commercial waste stream was recycled including yard waste. This equates to a per capita rate of 1.59 pounds per person per day (PPPD).

The District will continue to meet or exceed the 25% waste reduction rate throughout the planning period based on the District's projections for successful recycling programs and waste generation within the District. In 2034, the final year of the planning period, the District anticipates a 25% waste reduction rate for the residential/commercial sector. The following table presents the residential/commercial sector waste reduction percentage from the reference year to the end of the planning period.

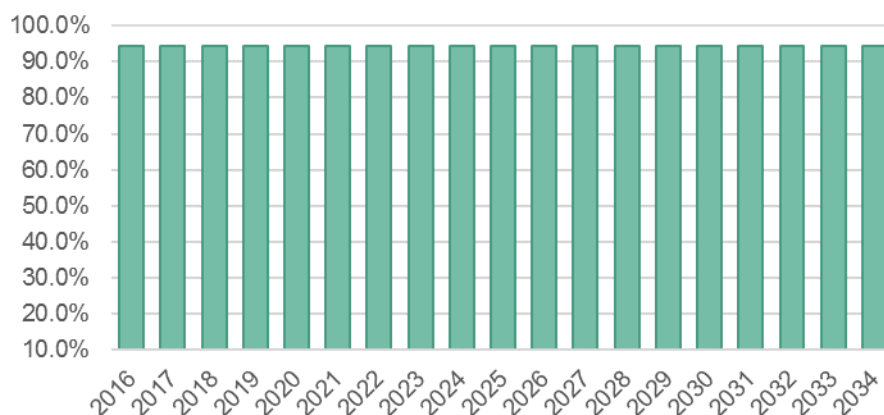
**District Residential/Commercial Waste Reduction Percentage
2016 – 2034**



2. Institutional Sector

In 2016, 94% of industrial solid waste was recycled. This is a per capita waste reduction rate of 8.89 pounds per person per day (PPPD). In 2034, the final year of the planning period, the District anticipates a 94% waste reduction rate for the industrial sector. This equates to a per capita waste reduction rate of 10.31 PPPD.

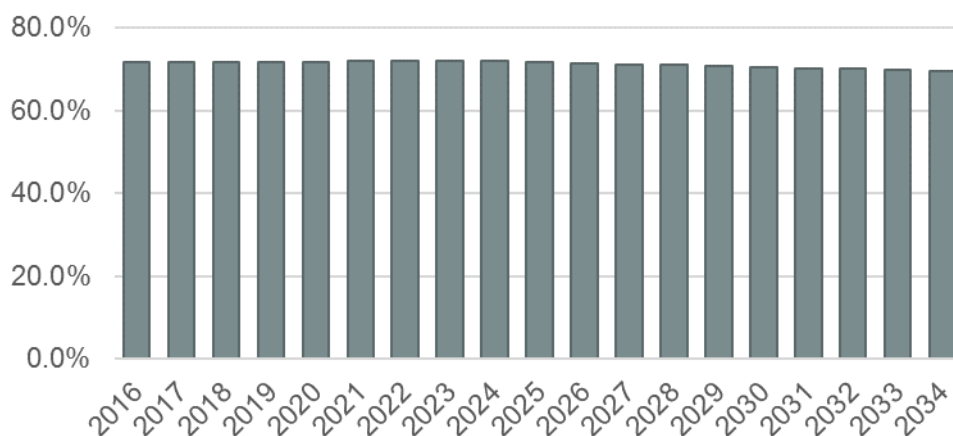
District Industrial Waste Reduction Percentage 2016 – 2034



3. District Total Rate of Waste Reduction

The District's annual waste reduction rate for the reference year (2016) was 72%. In 2020, the first year of the planning period, the District projects the total waste reduction rate to be 71% and decreases to 68% by the end of the planning period (2034). This downward trend is attributed, primarily, to decreases in total waste generation from the industrial sector.

Total District Waste Reduction Percentage 2016 – 2034



G. Section VIII. Cost and Financing of Plan Implementation

1. Funding Mechanisms

The District created three budgets to account for three funding mechanism options for the District. This is the direct result of the indication from Republic Waste Services that they will close the Celina Landfill in late 2019. The three budgets are described below:

Budget A – This budget includes all planned expenses in Table VIII-5 with funding coming from rates and charges on improved parcels in the District.

Budget B – This budget includes all planned expenses in Table VIII-5 with funding coming from contract fees charged to designated facilities that accept District generated solid waste.

Budget C – This budget includes all planned expenses in Table VIII-5 with funding coming from the existing disposal fees if the Celina Landfill is operated past 2019. The District desires to

have this budget option available if the landfill site continues to be operated by Republic Services, sold to another operator or operated as a transfer station.

The full version of the budgets is included in Section VIII.

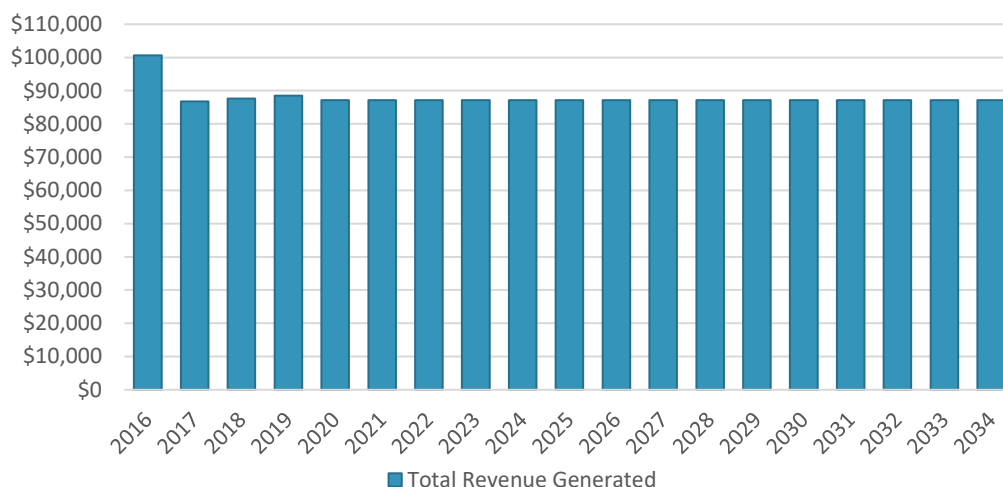
Rates and Charges

Rates and charges funding will be implemented under Budget A.

Ohio Revised Code (ORC) 343.08 allows the District to fix reasonable rates or charges to be paid by every person, municipal corporation, township, or other political subdivision that owns premises to which solid waste collection, storage, transfer, disposal, recycling, processing, or resource recovery service is provided by the District and may change the rates or charges whenever it considers it advisable.

The District provides resource recovery services and education and outreach services to all residents and businesses in the District. To fund these programs and services, and in accordance with ORC 343.08, the District will levy a \$4.50 per year charge on each improved parcel within the District starting in 2020. An “improved parcel” is a parcel of land that is improved with at least one permanent, portable, or temporary building. The total annual revenue from the charge is calculated using a rate of \$4.50 per improved parcel assuming there are 19,568 improved parcels and a pay rate of 99%.

Total revenues are anticipated to increase from \$87,175 in 2020, the first year of the planning period, to \$87,175 in 2034, the final year of the planning period. The following chart depicts the total District revenue, including the anticipated sources of revenue identified above, from 2016 to 2034.

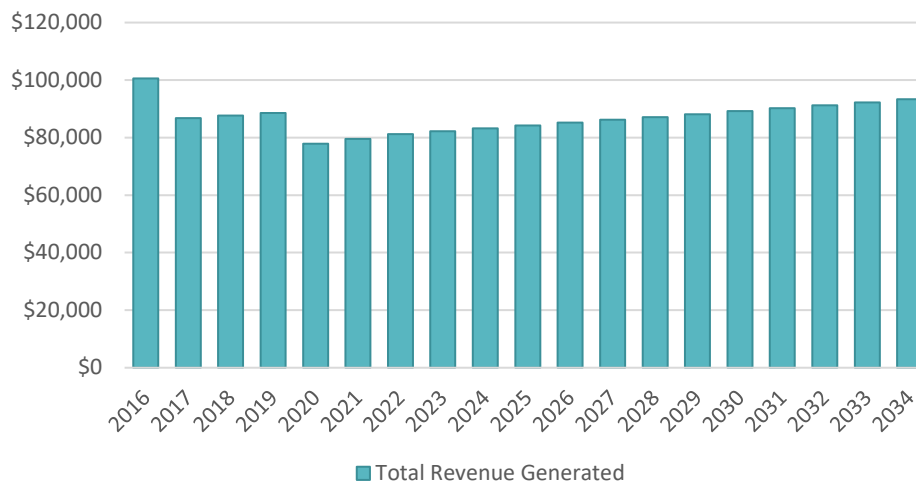
2016 – 2034 District Revenue (Budget A)**Contract Fees**

Contract fees funding will be implemented under Budget B.

The District will designate solid waste facilities pursuant to ORC 343.014 and will entered into contracts with designated facilities to collect a Contract Fee for solid waste generated in the District and received at the designated facility. The per ton contract fee is projected to \$2.50 and will be used to fund the District's activities and programs.

The District does not plan to increase the contract fee in in the planning period. If fee changes are required, a separate process will occur between the Board and the designated facilities. Total contract fee revenue for 2020 until the end of the planning period is based on the projected solid waste disposal tons from the average budget increase projected from 2016 to 2019. This increase rate of 0.966% for in-district tonnage (used in Budget C) and transfer station tonnages increase at a rate of 1.6% (from Section 6) allows the District to remain conservative in revenue projections. Table VIII-3B presents the projected contract fee revenue from 2020 to 2035.

Total revenues are anticipated to increase from \$77,874 in 2020, the first year of the planning period, to \$93,325 in 2034, the final year of the planning period. The following chart depicts the total District revenue, including the anticipated sources of revenue identified above, from 2016 to 2034.

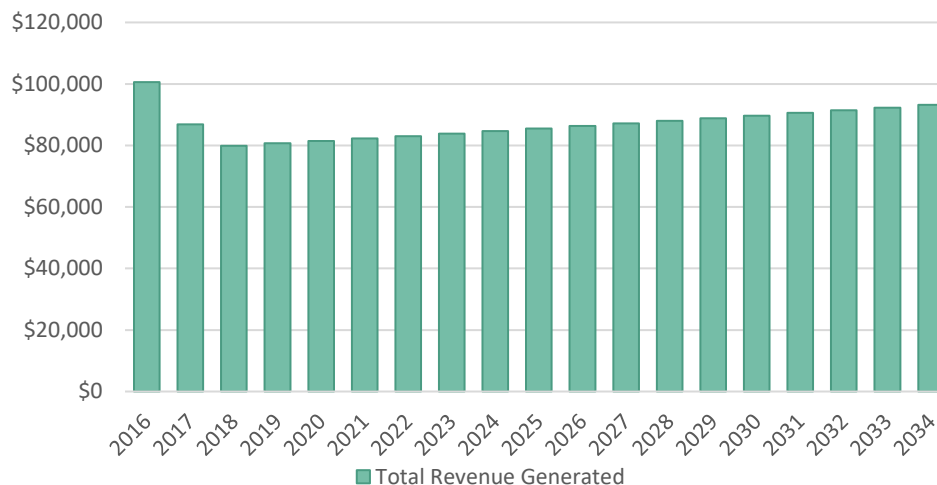
2016 – 2034 District Revenue (Budget B)**Disposal Fee**

Disposal fees funding past 2019 will be implemented under Budget C.

The District's in-district solid waste disposal fee is \$2.00 per ton. The District's out-of-district solid waste disposal fee is \$4.00 per ton. Out-of-state waste is charged the same rate as in-district solid waste at \$2.00 per ton. The current economic recession has affected the District's disposal fee revenue significantly in addition to competitive forces and the District's geographic location on the border with Indiana where fees are lower. These conditions have been factored into the disposal fee revenue projections.

Estimated revenues include generation fees, user fees, recycling revenue, grants, reimbursements and miscellaneous revenue.

Total revenues are anticipated to increase from \$81,472 in 2020, the first year of the planning period, to \$93,213 in 2034, the final year of the planning period. The following graph depicts the District's total actual and projected revenue from 2016 - 2034.

2016 – 2034 District Revenue (Budget C)**Generation Fee**

The District does not currently levee a generation fee.

2. Cost of Plan Implementation

The first year of the planning period, 2020, the District is projected to spend \$105,925. In 2034, the final year of the planning period, the District is projected to spend \$125,389.

3. Funds Allocated from ORC 3734.57(B), ORC 3734.572 and ORC 3734.573

The District's budget falls into four categories: preparation and monitoring of plan implementation, implementation of the approved plan, financial assistance to boards of health for solid waste enforcement, and financial assistance to boards of health for solid waste enforcement.

ORC 3734.57, ORC 3734.572 and ORC 3734.573," presents the District's projected costs for the ten allowed uses:

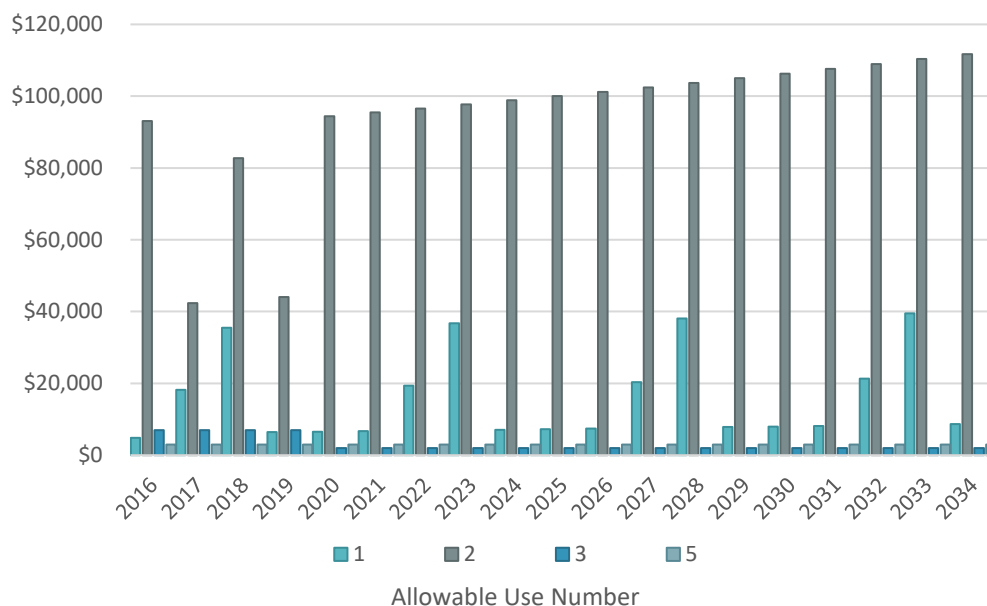
- 1) Preparation and monitoring of plan implementation.
- 2) Implementation of approved plan.
- 3) Financial assistance to boards of health for solid waste enforcement.
- 4) Financial assistance to defray the costs of maintaining roads and other public services related to the location or operation of solid waste facilities.
- 5) Contracts with boards of health for collecting and analyzing samples from water wells adjacent to solid waste facilities.

- 6) Out-of-state waste inspection program.
- 7) Financial assistance to local boards of health to enforce ORC 3734.03 or to local law enforcement agencies having jurisdiction within the District for anti-littering.
- 8) Financial assistance to local boards of health for employees to participate in Ohio EPA's training and certification program for solid waste operators and facility inspectors.
- 9) Financial assistance to local municipalities and townships to defray the added cost of roads and services related to the operation of solid waste facilities.
- 10) Payment of any expenses that are agreed to awarded or ordered to be paid under section 3734.35 of the Revised Code and any administrative costs incurred pursuant to that section.

The following graph depicts the District's annual expense to implement this *Plan Update* based on the expense distribution:

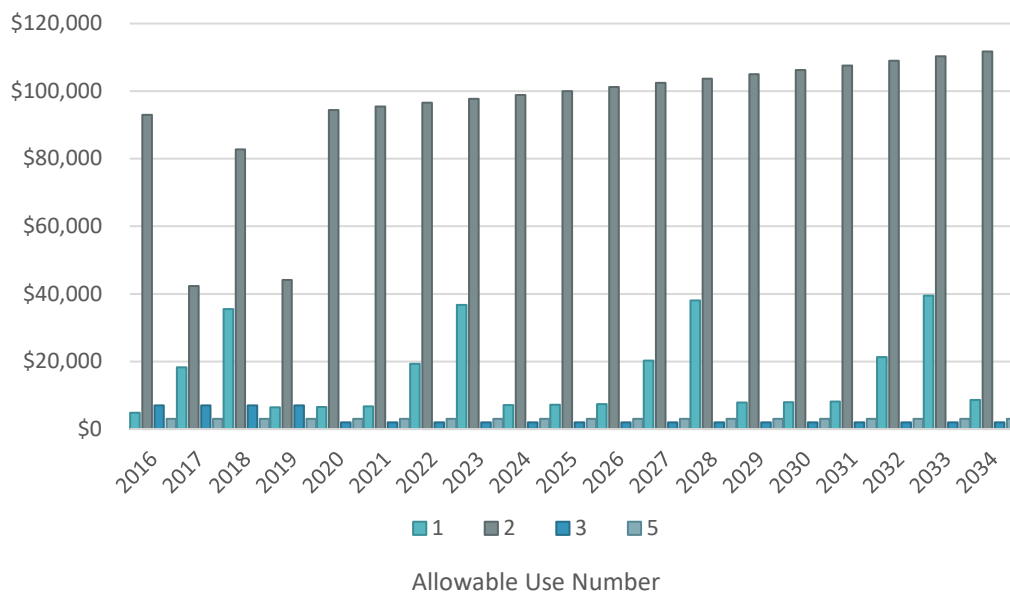
Budget A: Rates and Charges

2016 – 2034 District Expense Distribution (Budget A)



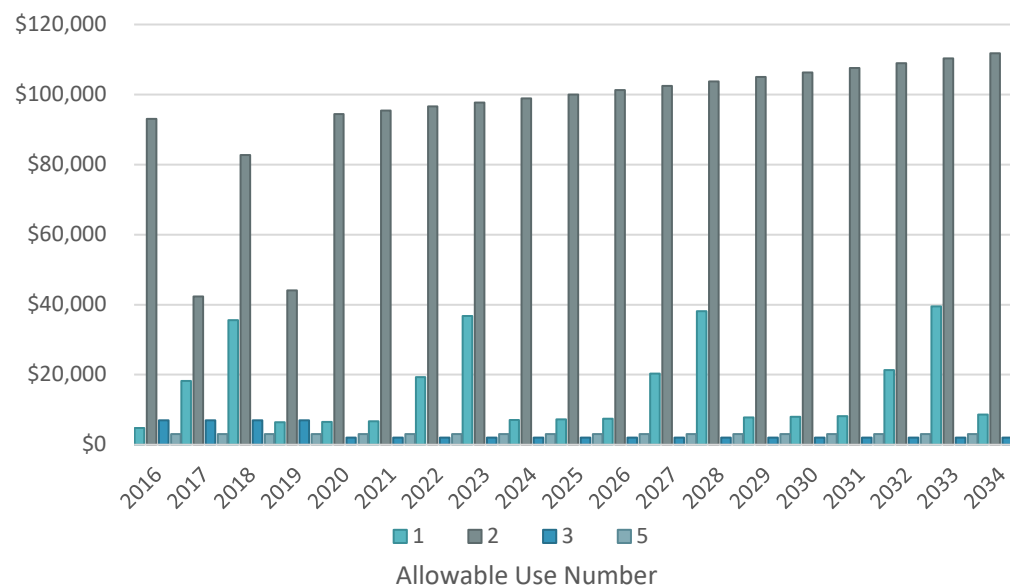
Budget B: Contract Fees

2016 – 2034 District Expense Distribution (Budget B)



Budget C: Disposal Fees

2016 – 2034 District Expense Distribution (Budget C)



4. Contingent Funding

The District's Policy Committee developed the following contingent funding policy as a last resort mechanism to completely or partially fund the operation of the District. This policy would only be utilized if the current funding mechanism(s) are not adequate to implement this *Plan Update*.

The District would first evaluate if the current funding mechanism could be changed such as raising the funding rate or level before creating a new funding mechanism.

The District may consider implementing any of the following funding mechanisms as a part of this contingent funding policy:

- Generation fees,
- Contract fees through designation,
- Rates and charges,
- Contracts with communities, facilities or other entities,
- Any other viable funding mechanism available to the District.

Any funding mechanism implemented that requires a process as defined in the Ohio Revised Code shall be followed by the Policy Committee and or Board of County Commissioners.

5. Summary of Costs and Revenues

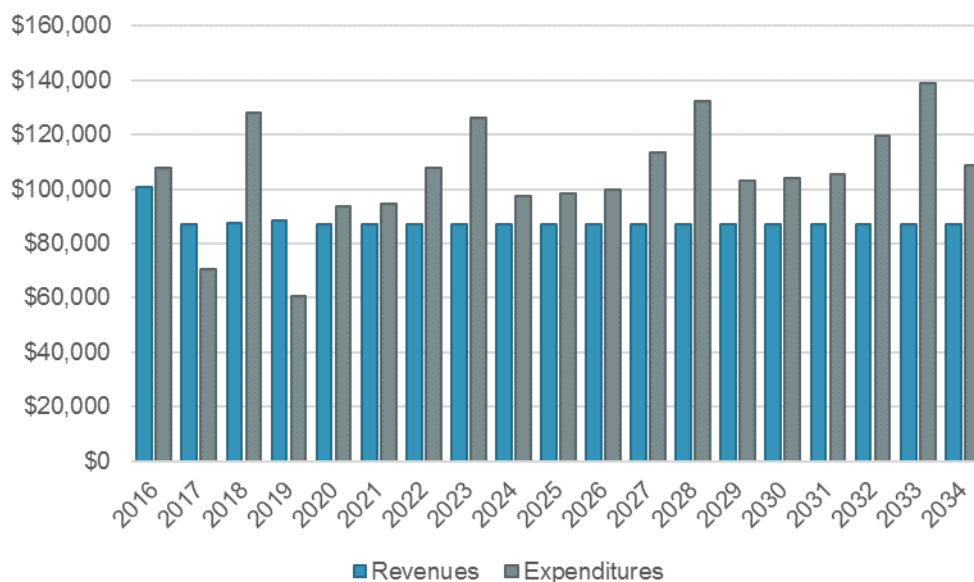
Table VIII-8, "Summary of District Revenues and Expenditures," includes the annual costs for each program and activity for the reference year and each year of the planning period. Each year of the planning period has sufficient funding for each of the programs.

The following graphs depict the three different budget options for actual and projected revenues vs. expenses of the District throughout the planning period:

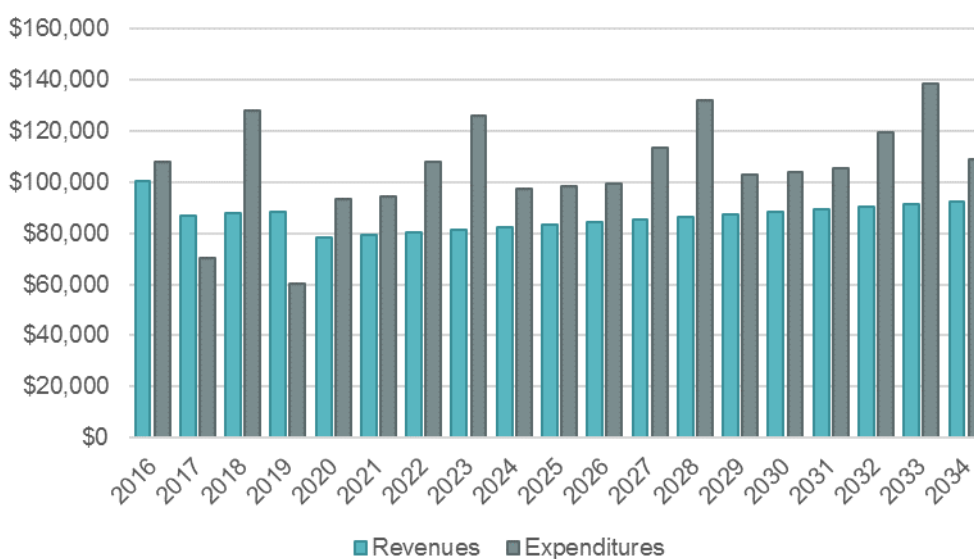
Total expenditures for the first year of the planning period are projected to be \$93,437 and will fluctuate over the planning period ending at \$108,912 in 2034.

Budget A: Rates and Charges

The District is projected to begin the planning period with a carryover balance of \$576,418 and will have an ending balance of approximately \$241,789 in 2034.

2016 – 2034 District Revenue and Expenses (Budget A)**Budget B: Contract Fees**

The District is projected to begin the planning period with a carryover balance of \$548,367 and will have an ending balance of approximately \$215,129 in 2034.

2016 – 2034 District Revenue and Expenses (Budget B)

Budget C: Disposal Fees

The District is projected to begin the planning period with a carryover balance of \$560,871 and will have an ending balance of approximately \$226,916 in 2034.

2016 – 2034 District Revenue and Expenses (Budget C)



The District reserves the right to move funds between programs and activities, as costs and revenues may increase or decrease during the planning period.

The District may move funds between programs and activities as costs and revenues may increase or decrease during the planning period.

H. Section IX. Rules

1. Existing Rules

The District does not have any existing rules.

2. Proposed Rules

The District reserves the right to adopt rules under division (G) of section 343.01 and under division (c) of section 3734.53 of the Revised Code. Such rules shall comply with the legislative grant of authority to the District to promulgate such rules and to regulate solid waste services, facilities and operation of the District in accordance with the Plan or amended Plan of the District and/or as authorized by applicable statutes, governmental regulations, local

ordinances and rules of the District as now existing or hereafter enacted or amended.

The District may adopt rules in the future that pertain to the following provisions:

- Siting procedures and criteria contained in Section VI.
- Other areas of the *Plan Update* that are in the best interest of the District.

**Table ES-1
General Information**

District Name: Mercer County Solid Waste District		
District ID #	Reference Year 2016	Planning Period: 2020-2035
(for OEPA use only)		
Plan Status (underline one)		
<u>D</u>	RD DR Approved (date) / / OI (date) / / DA	Reason for Plan Submittal: 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: Ms. Carla Buening, District Coordinator		
Address: 220 West Livingston Street		
City: Celina	State: Ohio	Zip: 45822
Phone: (419) 586-3695	Fax: (419) 584-1820	

**Table ES-3
Plan Data Summary**

Plan Data		Reference Year 2016	2020 (year 1)	2024 (year 5)	2029 (year 10)	2034 (year 15)
Population		41,000	41,132	41,292	41,327	41,328
Generation	Industrial	70,608	76,344	82,546	82,546	82,546
	Res/Comm	38,716	40,409	42,205	44,384	46,637
	Exempt	10,225	11,784	13,580	13,580	13,580
Total Generation (tons)		119,548	128,537	138,331	140,510	142,763
Waste Reduction	Industrial Source Reduction	0	0	0	0	0
	Industrial Recycling	66,520	71,924	77,768	77,768	77,768
	Res/Comm Source	0	0	0	0	0
	Res/Comm Recycling	7,644	7,669	7,691	7,706	7,706
	Yard Waste Composting	4,229	4,243	4,260	4,263	4,263
	MSW Composting	0	0	0	0	0
Total Waste Reduction (tons)		78,394	83,836	89,718	89,737	89,737
Disposal	In-District Landfills	19,979	0	0	0	0
	Out of District Landfills	64	459	92	97	100
	Out of State Landfills	70	31,896	34,994	36,819	38,111
Total Landfill (tons)		20,114	32,356	35,086	36,916	38,212
Waste Reduction Rate	Industrial	94.3%	94.3%	94.3%	94.3%	94.3%
	Residential/Commercial	30.7%	29.5%	28.3%	27.0%	25.7%

Source(s) of information: Tables IV-1, IV-5, IV-6, V-2, V-3, V-4 , V-6, and VI-4A

**Table ES-4
Existing Disposal Facilities**

Name	County	District Tons	Total Tons	Years Left
In-District Landfills				
Celina Sanitary Landfill	Mercer	19,979	322,503	6.80
Out-of-District Landfills				
Rumpke Waste Inc Hughes	Hamilton	12	23,593,185	6.60
Cherokee Run Landfill	Logan	22	12,541,187	24.10
Evergreen Recycling & Disposal	Wood	11	71,362	213.00
County Environmental of Wyandot	Wyandot	16	17,313,112	111.00
Defiance County Sanitary Landfill	Defiance	4	7,256,879	62.00
Out-of-State Landfills				
Randolph Farms Landfill	Randolph	70	7,788,559	16.11
Hoosier Landfill	Monroe	175	5,798,674	19.72
Jay Landfill	Jay	9,345	11,445,669	38.61
Total/Average		29,634	86,131,130	55.33

Source(s) of information: 2016 Ohio Facility Data Report Tables, Table III-1, and Table VI-4A

III. Inventories [ORC Section 3734-53(A)(1)-(4)]

This section of the *Plan Update* provides a review of the solid waste management system during the 2016 reference year for the District. The reference year is the year used for data collection for solid waste programs, facilities and activities in the *Plan Update*. Projections developed in later sections in this *Plan Update* are based on the reference year inventories and data. Tables providing the narrative for Section III can be found at the end of the Section III.

This section also describes the facilities and/or entities used to collect, compost, recycle, dispose and process solid waste and recyclables in the reference year.

A. The Reference Year

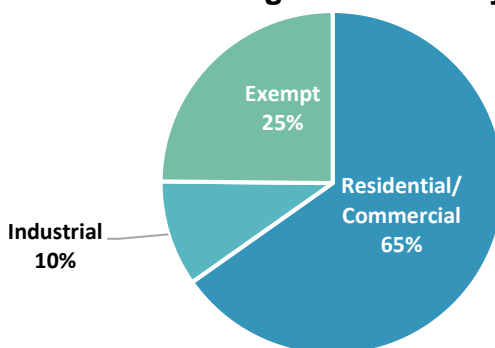
The reference year for this *Plan Update* is 2016. All of the survey data and information presented in this *Plan Update* are based on 2016 data unless otherwise noted.

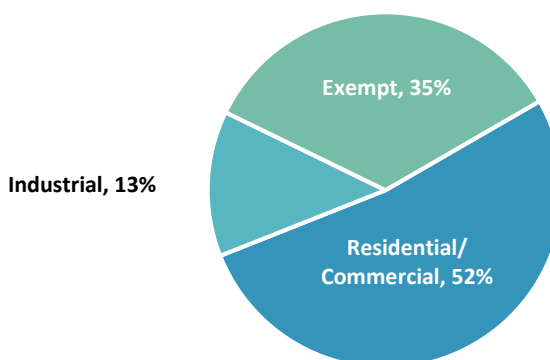
B. Existing Solid Waste Landfills

Table III-1, "Landfills Used by the District", presents a list of the landfill facilities where residential, commercial, industrial and exempt wastes were delivered directly to landfills for disposal. This table also includes the total amount of Mercer County solid waste that was delivered to treatment facilities or transfer facilities prior to being sent to a landfill in order to demonstrate the total amount of solid waste disposed in 2016.

The District utilized one out-of-district landfills that provided disposal capacity for District waste. Approximately 41,100 tons of solid waste was disposed by District residents, commercial businesses and industry in 2016. Of this total, 27,000 tons of solid waste came from the residential/commercial sector. The industrial sector disposed of 4,000 tons of solid waste and the District disposed of 10,200 tons of exempt waste in 2016.

2016 Waste Tonnage Landfilled by Sector



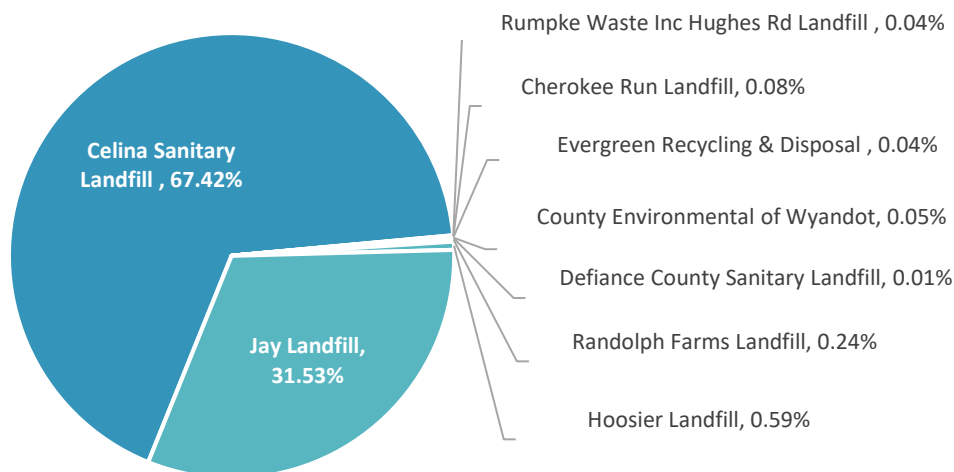
Landfill Facilities Directly Receiving District Solid Waste in 2016

The District utilized one in-district landfill, five out-of-district landfills and three out-of-state landfills to provide disposal capacity for approximately 41,100 tons of District waste. The following figure depicts the locations of the landfill facilities utilized by the District in 2016:

Landfill Facilities Used for Mercer County Solid Waste in 2016

The Celina Landfill provided more than half of the disposal capacity for the District directly hauled solid waste (7,922 tons or 67%). The following chart depicts the tonnages disposed of at in-district, out-of-district and out-of-state landfills in 2016:

Landfill Facilities Directly Receiving District Solid Waste in 2016



A Regional Capacity Analysis will be performed to determine if adequate disposal capacity is available for the entire planning period. The Regional Capacity Analysis is presented in Section VI.

C. Existing Incinerators and Resource Recovery Facilities

Table III-2, "Solid Waste Incinerators and Waste-to-Energy Facilities Used by the District," presents a list of all publicly available and captive existing solid waste incinerators and waste-to-energy facilities used by the District. This listing includes all in-District, out-of-District, and out-of-state facilities. No publicly available incinerators or resource recovery facilities currently exist within the District in 2016. Information in this section has been obtained through results from surveys and direct inquiry.

D. Existing Transfer Facilities

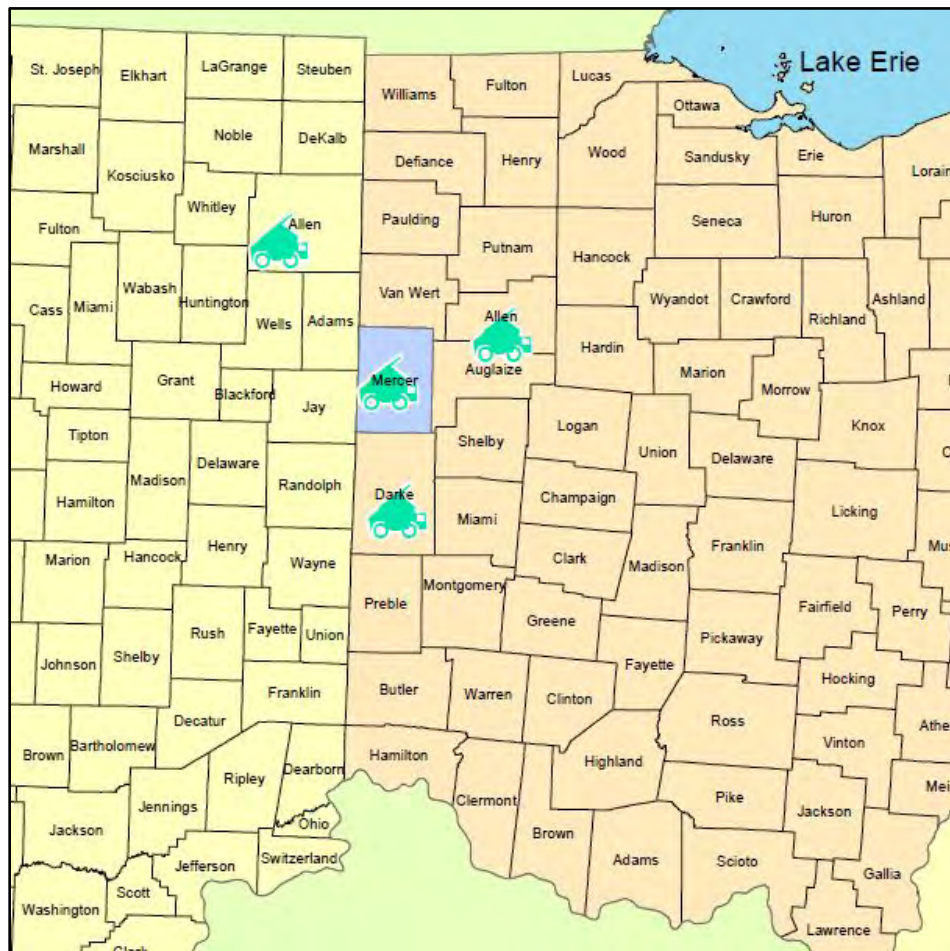
Table III-3, "Solid Waste Transfer Facilities Used by the District", presents a listing of all transfer facilities used by the District in 2016. The District did not use out-of-state transfer facilities. Information in this section has been obtained through the results of surveys, transfer station records and direct inquiry.

The District utilized 1 in-district, 3 out-of-district, and 1 out-of-state transfer stations in 2016. Approximately 11,500 tons of solid and exempt waste was transported to these transfer stations before ultimately being disposed in

Ohio and Indiana landfills. Residential/commercial sector waste represents 98.7% (11,338 tons) of the District's transferred solid waste; industrial sector waste only represents 1.2% of the District's transferred waste; exempt waste represents less than one percent of the waste transferred in 2016.

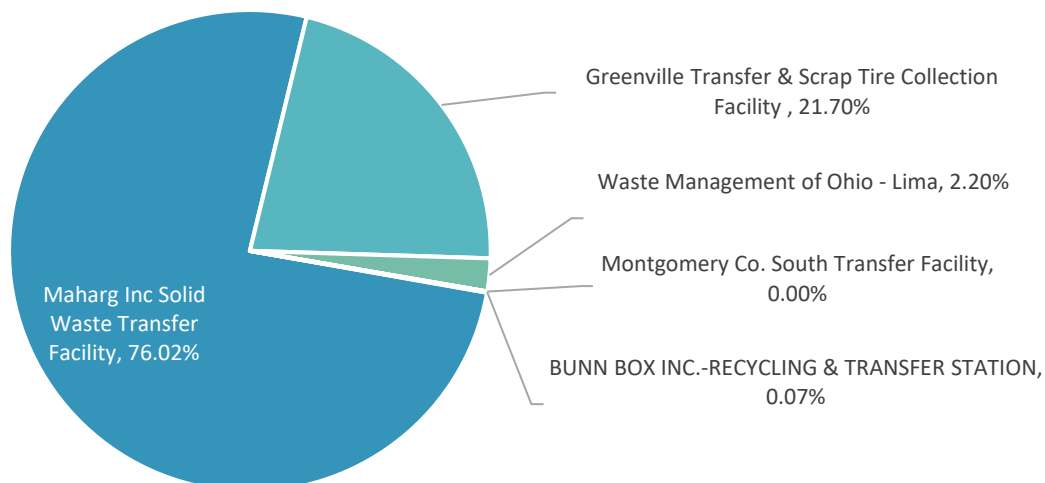
The following figure depicts the locations of the transfer stations utilized by the District in 2016:

Transfer Facilities Used by the District in 2016



The following graph depicts the transfer stations used by the District in 2016 and their respective market share:

Transfer Stations Used by the District in 2016



The District utilized the Maharg Transfer Station to transfer 76% (8,733 tons) of the total tonnage; approximately 22% (2,351 tons) transferred to the Greenville Transfer & Scrap Tire Collection Facility.

E. Existing Recycling and Household Hazardous Waste Collection Activities

Table III-4, "Residential Curbside Recycling Activities Used by the District", presents a listing of residential curbside recycling activities used by the District in 2016. Information in this table is based on results of surveys, facility records and direct inquiry.

There were eight subscription curbside recycling programs in 2016. The subscription programs were serviced by local waste haulers. The subscription recycling programs recycled 598 tons in 2016. The eight subscription curbside recycling programs in 2016 for the following communities:

- Burkettsville
- Celina
- Chickasaw
- Coldwater
- Fort Recovery
- Franklin Township
- Rockford
- St. Henry

The following map presents the subscription curbside recycling programs operating in the District during the reference year.

2016 District Curbside Recycling Activities



Subscription curbside recycling programs were serviced by three waste haulers (Allied, Klenke and Maharg). Recyclables collected by curbside programs included:

- Aluminum Cans, Foil and Pie Pans
- Catalogs
- Cardboard
- Food Boxes
- Glass Bottles and Jars
- Junk Mail
- Magazines
- Newspapers
- Office Paper
- Paper Egg Cartons
- PET and HDPE Containers
- Tin Cans

Curbside recycling programs collected 598 tons of recyclables in 2016.

In addition to waste haulers collecting recyclables, the District has 5 Residential Recycling Drop-Off Stations.

Table III-5, "Drop-offs, Buybacks, Hauler Collection, Other Recycling Activities and HHW Collection Used by the District", contains a list of drop-off recycling facilities, buyback recycling facilities and household hazardous waste collection programs used by the District in 2016. Information in this table is based on results of surveys, facility records and direct inquiry.

Four Residential Recycling Stations were located in the following areas:

- Village of Burkettsville (full time)
- Jefferson Township, Celina, Ohio - CA Group (Only paper & cardboard)
- Chickasaw, Ohio - Ohio Recycling (full time)
- Rockford Village/Dublin Township - Parkway High School (part time)

The individual recycling drop-off host sites are responsible for the cost of transportation and processing and retain any revenue from the sale of recyclables.

Recycling data for the full-time drop-off recycling programs collected in 2016 could not be obtained by Ohio Recycling. The part-time recycling drop-off program at Parkway High School hosted on 3rd Saturday of each month from 9:00am-12:00pm collected 50.5 tons of recyclables in 2016. These recyclables were picked up by Auglaize County SWMD. The drop-off facilities collected aluminum cans, steel cans, glass, plastic, newspaper, mixed paper, cardboard, magazines, office paper and other materials.

There was one material recovery facility (Ohio Recycling) in the District in 2016. This facility accepted a wide range of materials including aluminum, steel, cardboard, mixed paper, office paper, white goods, other metals and other materials. The District also had 1 hauler that reported recycling 1,566.85 tons in 2016.

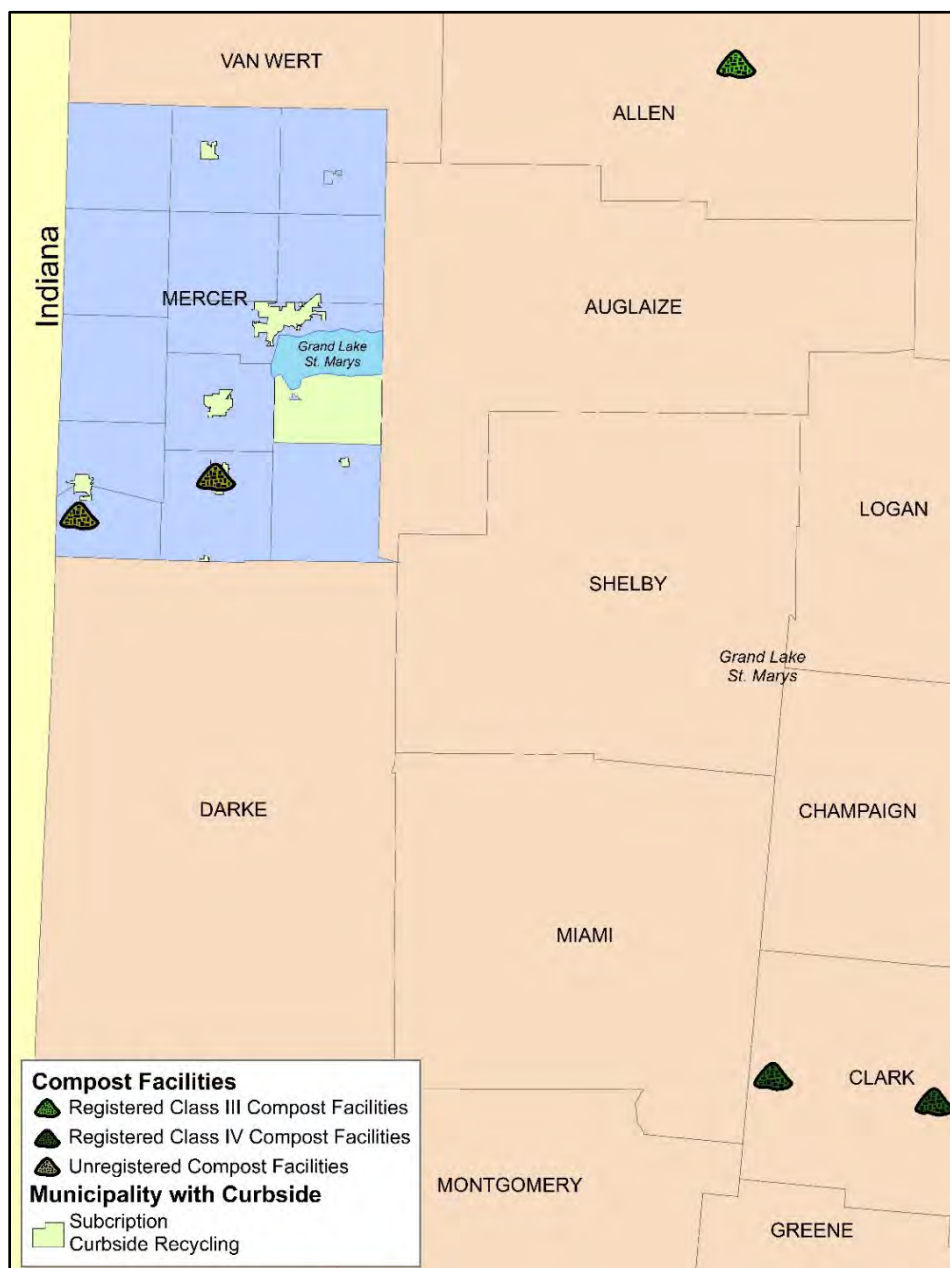
The District also conducted several special collection events in 2016 including HHW, appliances, used oil and paper shredding. These programs recycled 37 tons of materials in 2016.

The total recycling tonnage in Table III-5 collected by all drop-off facilities, brokers, processors, haulers and District special collection programs in 2016 was 74,165 tons which includes all sectors of generators.

F. Existing Composting/Yard Waste Management Facilities

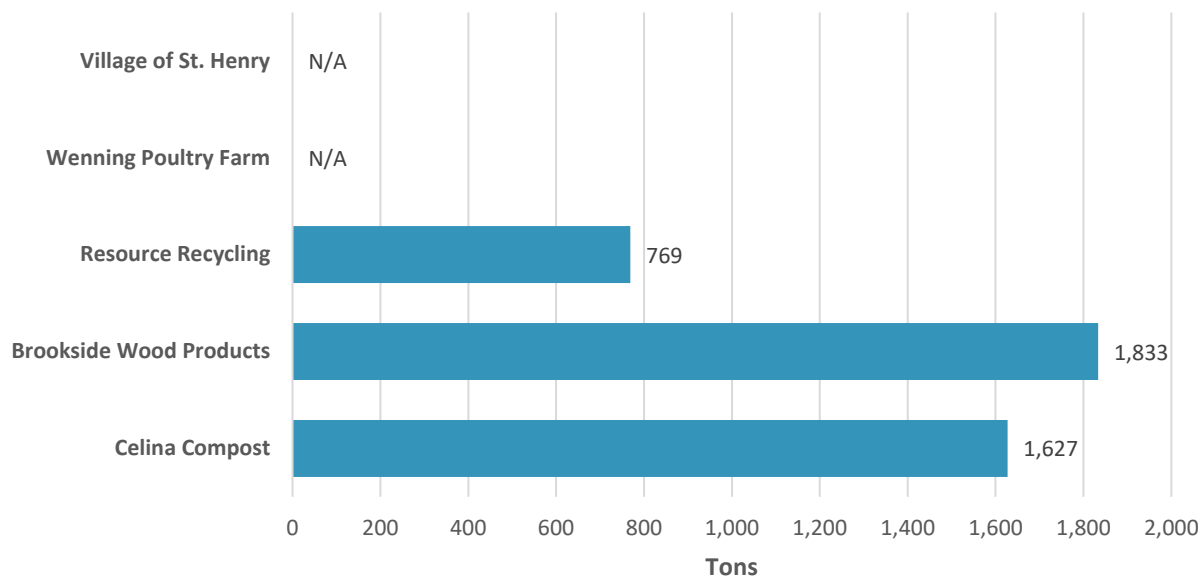
Composting facilities located within the District are identified in Table III-6, "Composting/Yard Waste Management Activities used by the District". Five compost/yard waste management facilities/programs were operating in the District during 2016. Three of these were registered or licensed compost facilities with Ohio EPA. The information presented in this section was obtained through surveys, direct inquiry and Ohio EPA compost facility annual report data.

2016 Yard Waste Composting Facilities and Activities



Reported yard waste collected and recycled in 2016 totaled 4,229 tons.

Residential/Commercial District Yard Waste Recycle Tons by Facility/Program in 2016



G. Facilities Used by the District Which are Located Outside Ohio

Table III-7, "Facilities Used by the District Which are Located Outside Ohio", summarizes the facilities used by the District that were located out of the District in 2016. The District used two out-of-state facilities in 2016, the Jay County Landfill and the Randolph Farms Landfill. Both facilities were located in Indiana, which shares a border with the District.

H. Existing Open Dumps and Waste Tire Dumps

Table III-8, "Open Dumps and Waste Tire Dumps Located in the District", summarizes the open dump sites in the District during the reference year. There were no open dumps or waste tire dumps in the District during 2016. This is a result of Mercer County's very strong support of the Health District and Environmental Enforcement Program.

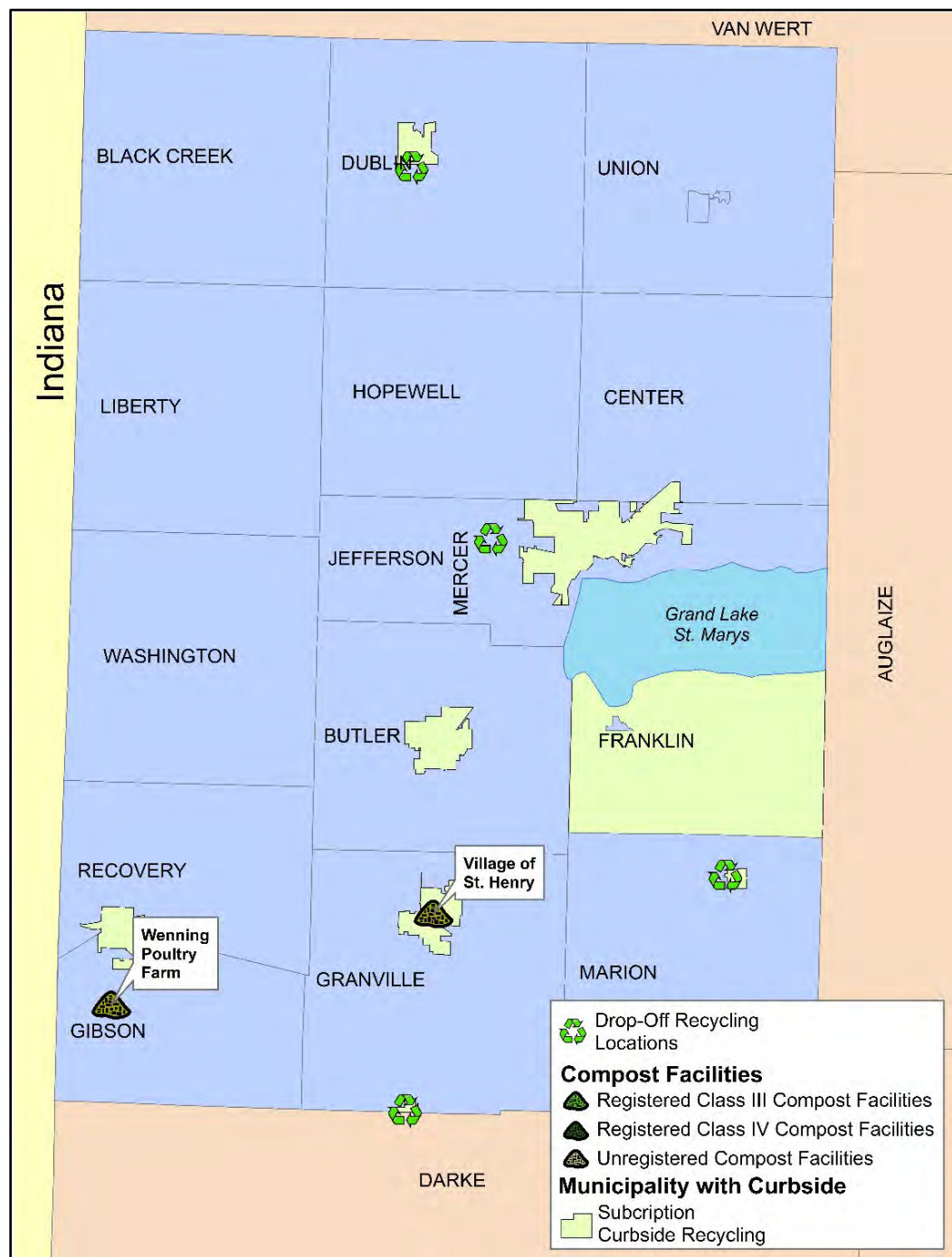
I. Ash, Foundry Sand, and Slag Disposal Sites

Table III-9, "Ash, Foundry Sand, and Slag Disposal Sites Used by the District", summarizes the ash and slag sites that were located in the District in 2016. There were no foundry sand/slag disposal sites in the District in 2016.

J. Map of Facilities and Sites

A full-size map of the District's facilities is included in Appendix E. The following map is a smaller version that has been included in this section for reference.

District Facilities and Programs in Mercer County 2016



K. Existing Collection Systems – Haulers

Table III-10, “Solid Waste Haulers Operating in the District”, summarizes the haulers that serviced the District in 2016. All haulers identified during this inventory used trucking/motor freight. No haulers were identified as using rail, river barge, or any other method of transport. There were 11 private sector haulers and 1 public sector hauler that provided a majority of the service to the District.

**Table III-1
Landfills Used by the District**

Facility Name	Type	Location		Waste Received from the SWMD (TPY)			
		County	State	Residential/ Commercial	Industrial	Exempt	Total
In-District Landfills							
Celina Sanitary Landfill	PO	Mercer	OH	7,921.96	2,255.09	9,802.21	19,979.26
Out-of-District Landfills							
Rumpke Waste Inc Hughes Rd Landfill	PO	Hamilton	OH	0.00	11.61	0.00	11.61
Cherokee Run Landfill	PO	Logan	OH	0.00	22.36	0.00	22.36
Evergreen Recycling & Disposal	PA	Wood	OH	0.00	10.80	0.00	10.80
County Environmental of Wyandot	PO	Wyandot	OH	0.00	0.00	15.53	15.53
Defiance County Sanitary Landfill	GO	Defiance	OH	4.11	0.00	0.00	4.11
Out-of-State Landfills							
Randolph Farms Landfill	PA	Randolph	IN	40.00	30.00	0.00	70.00
Hoosier Landfill	PA	Monroe	IN	0.00	175.31	0.00	175.31
Jay Landfill	PA	Jay	IN	7,538.03	1,415.00	392.00	9,345.03
Landfill Total				15,504.10	3,920.17	10,209.74	29,634.01
Waste-to-Energy Transfer Facilities							
Various (See Table III-2)	PA, PO	Various	IN	0	32	0	32
Transfer Facilities							
Various (See Table III-3)	PA	Various	Ohio	11,337.68	135.24	15.28	11,488.20
Total Disposal				26,841.78	4,087.44	10,225.02	41,154.24

PA = publicly available, PO = privately-operated, GO = government-operated, N/A = not applicable

Note: Tonnage managed at transfer stations and other treatment facilities is included in this table to demonstrate the total amount sent to disposal facilities in 2016.

Source(s) of information: Ohio EPA, 2016 Ohio Facility Data Report Tables, Indiana Department of Environmental Management, 2016 Complete Solid Waste Quarterly Report Database

Table III-2
Solid Waste Incinerators, Waste-to-Energy, and Processing Facilities Used by the District

Facility Name	Type	Location		Waste Received from the SWMD (TPY)					Total Ash Produced (TPY)
		County	State	Residential/ Commercial	Industrial	Exempt	Total	Volume Reduction (TPY)	
In-District Facilities									
None	N/A	N/A	N/A	0	0	0	0	0	0
Out-of-District Facilities									
None	N/A	N/A	N/A	0	0	0	0	0	0
Out-of-State Facilities									
INDIANAPOLIS RESOURCE RECOVERY FACILITY	PA	Marion	IN	0	32	0	32	0	0
Totals				0	32	0	32	0	0

Table III-3
Solid Waste Transfer Facilities Used by the District

Facility Name	Type	Location		Waste Received from the SWMD (TPY)				Recyclables Processed	
		County	State	Residential/ Commercial	Industrial	Exempt	Total	Recovered from Waste	Total
In-District Facilities									
Maharg Inc Solid Waste Transfer Facility	PA, PO	Mercer	OH	8,733.03	0.00	0.00	8,733.03	19.6	0
Out-of-District Facilities									
Greenville Transfer & Scrap Tire Collection Facility	PO	Darke	OH	2,351.35	135.24	6.82	2,493.41	0	0
Waste Management of Ohio - Lima	PO	Allen	OH	253.17	0.00	0.00	253.17	0	0
Montgomery Co. South Transfer Facility	PO	Montgomery	OH	0.13	0.00	0.00	0.13	0	0
Out-of-State Facilities									
BUNN BOX INC.- RECYCLING & TRANSFER	PA, PO	Allen	IN	0	0.00	8.46	8.46	0	0
Totals				11,338	135	15	11,488	20	0

PA = publicly available, PO = privately-operated, GO = government-operated

Source(s) of information: Ohio EPA, 2016 Ohio Facility Data Report Tables, Indiana Department of Environmental Management, 2016 Complete Solid Waste Quarterly Report Database

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

Community	Type	Population Served	Collection Frequency	Types of Materials Accepted								Tons Processed from SWMD
				AC	GL	PL	ONP	OCC	SC	MxP	AS	
Non-Subscription Curbside Recycling												
None												
2016 Non-Subscription Curbside Recycling Total												0
Subscription Curbside Recycling												
Burkettsville Village	S	168	Weekly	X	X	X	X	X	X	X	X	N/A
Celina City	S	10,324	Weekly	X	X	X	X	X	X	X	X	285
Chickasaw Village	S	298	Weekly	X	X	X	X	X	X	X	X	N/A
Coldwater Village	S	4,505	Weekly	X	X	X	X	X	X	X	X	165
Fort Recovery Village	S	1,437	Weekly	X	X	X	X	X	X	X	X	N/A
Franklin Township	S	2,098	Weekly	X	X	X	X	X	X	X	X	67
Rockford Village	S	1,102	Weekly	X	X	X	X	X	X	X	X	N/A
St. Henry Village	S	2,513	Weekly	X	X	X	X	X	X	X	X	82
2016 Subscription Curbside Recycling Total												598
Subscription Curbside Recycling												
Estimate for remaining curbside tonnage												N/A
2016 Total Curbside Recycling Total												598

NS = non-subscription curbside recycling; S = subscription curbside recycling

AC = aluminum containers; GL = glass containers; PL = plastic containers; ONP = newspaper; OCC = cardboard; SC = steel containers; MxP = mixed paper; AS = aseptic containers

Source(s) of information: 2016 Annual District Report, District records, Material Recovery Facility and Commercial Recycling Data

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

Facility/Activity Name, Address, Phone	Type	Types of Materials Accepted											Service Area			Hours Available to Public	Tons of Recyclables from SWMD	% of Tons by Sector	
		A C	G L	P L	O C C	S C	L A B	M x P	S T	W G	O M	O t h	County	Twp./ City	Population Served				
Full Time/Full Service Drop-Off Recycling Centers																			
Burkettsville Village	PA, DO	X	X	X	X	X		X					Mercer	District	40,909	7am-7pm 7 days/w eek	DNR	100% R	
Chickasaw Village - Ohio Recycling	PA, DO	X	X	X	X	X		X					Mercer	District	40,909	9am-3pm 5 days/w eek	DNR	100% R	
Jefferson Tow nship	PA, DO				X			X					Mercer	District	40,909	7am-7pm 7 days/w eek	DNR	100% R	
Rockford Village - Parkway High School	PA, DO	X	X	X	X	X		X					Mercer	District	40,909	3rd Saturday of each month 9:00am-12:00pm	50.5	100% R	
Limited Material Drop-Off Recycling Centers																			
Ohio Recycling 7837 State Route 274 Chickasaw , OH 45826 Phone: (419)925-4444	PA, DO							X				X	X	Mercer	District	40,909	Business hours	DNR	100% R
Tractor Supply Company 4581 US Rt 127 Celina, OH 45822 Phone: (419)268-2550	PA, DO							X					X	Mercer	District	40,909	Business hours	DNR	100% R
Goodwill - Celina Havemann Road Celina, OH 45822	PA, DO												X	Mercer	District	40,909	Business hours	DNR	100% R
Poly Works 4830 St. Rt. 219 Coldw ater, OH 45828 Phone: (419)678-3758	PA, DO												X	Mercer	District	40,909	Business hours	DNR	100% R
Automotive Stores																			
Advanced Auto Parts 521 Grand Lake Road Celina, OH 45822 Phone: (419)586-5599	A							X					X	Mercer	District	40,909	Business hours	DNR	100% R
Auto Zone 410 E. Market Street Celina, OH 45822 Phone: (419)584-1254	A							X					X	Mercer	District	40,909	Business hours	DNR	100% R
Platinum Auto Group 6650 Meyer Road Celina, OH 45822 Phone: (419)584-0142	A												X	Mercer	District	40,909	Business hours	DNR	100% R
NAPA Auto Parts (Celina) 401 S. Main Street Celina, OH 45822 Phone: (419)586-2361	PA, DO							X						Mercer	District	40,909	Business hours	DNR	100% R
NAPA Auto Parts (Coldw ater) 205 E. Vine Street Coldw ater, OH 45828 Phone: (419)678-2383	PA, DO							X						Mercer	District	40,909	Business hours	DNR	100% R
NAPA Auto Parts (Ft. Recovery) 205 N. Wayne Street Fort Recovery, OH 45846 Phone: (419)375-4137	PA							X						Mercer	District	40,909	Business hours	DNR	100% R

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

Facility/Activity Name, Address, Phone	Type	Types of Materials Accepted											Service Area			Hours Available to Public	Tons of Recyclables from SWMD	% of Tons by Sector	
		A C	G L	P L	O C C	S C	L A B	M x P	S T	W G	O M	O t h	County	Twp./ City	Population Served				
Brokers, Processors, and Scrap Yards																			
		ACGLPLDC(SC_AI/xI	STWCOM	Oth															
Ohio Recycling 7837 State Route 274 Chickasaw , OH 45826 Phone: (419)925-4444	PA, BR						X					X	X	Mercer	District	40,909	Business hours	DNR	100% I
Ill Sons Tow ing Hauling Salvage 9350 Hoenie Rd Celina, OH 45822 (419) 363-2277	PA	X				X						X		Mercer	District	40,909	Business hours	DNR	100% I
Celina Recycling Center, LLC 5381 Mud Pike Rd Celina, OH 45822 (567) 890-3900	PA	X				X						X		Mercer	District	40,909	Business hours	DNR	100% I
Registered Scrap Tire Transporters																			
Other Scrap Tire (from OEPA)	ST								X					Mercer	All	40,909	N/A	538	100% R
Material Recovery Facilities																			
None	MRF													Mercer	All	40,909	N/A	N/A	N/A
Commercial Box Store Recycling																			
		ACGLPLDC(SC_AI/xI	STWCOM	Oth															
Dollar General	CB				X			X						Mercer	N/A	Internal Program	N/A	107	100% C
Walmart	CB	X		X	X	X		X			X	X		Mercer	N/A	Internal Program	N/A	735	100% C
Special District Collections																			
HHW Collection												X		Mercer	N/A	40,909	N/A	14	100% R
Other Recycling																			
Additional Recycling Reported on Annual District Surveys by Commercial/ Industrial Generators	N/A	X	X	X	X	X	X	X	X	X	X	X	X	Mercer	N/A	N/A	N/A	72,771	100% C/I
Totals																		74,165	

R = residential; C = commercial; I = industrial; PA = publicly available; PUO = private-use only; A = automotive service store; DO = drop-off; BR = broker; MRF = material recovery facility; CB = commercial box store chain; PR = processor; SC = special collection; ST = scrap tire transporter; SY = scrap yard; N/A = not applicable/not available; DNR = did not report

AC = aluminum containers; GL = glass; PL = plastic; OCC = corrugated cardboard; SC = steel containers; LAB = lead-acid batteries; MxP = mixed paper; ST = scrap tires; WG = white goods/appliances; OM = other metals; Oth = other (household batteries, used oil, wood, etc.)

Source(s) of information: 2016 Annual District Report

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

Facility Name or Activity	Class	County	Waste Received from the SWMD		
			Address/Phone	Food Waste Tons	Yard Waste Tons
In-District Registered Compost Facilities					
Celina Compost	Class IV	Mercer	450 Summit Celina, OH 45822	0	1,627
Brookside Wood Products	Class IV	Mercer	2192 State Route 127 Saint Henry, OH 45860	0	1,833
Subtotal				0	3,461
Out-of-District Registered Compost Facilities					
Resource Recycling	Class III	Allen	1596 Neubrecht Rd Lima, OH	0	769
Subtotal				0	769
Other Activities					
Wenning Poultry Farm	N/A	Mercer	N/A	0	N/A
Village of St. Henry	N/A	Mercer	N/A	0	N/A
Hauler/Kroger/Walmart food waste data	N/A	Mercer	N/A	167.01	0
Subtotal				167	0
Grand Total				167	4,229

NA = not applicable, YW = yard waste

Source(s) of information: Ohio EPA, 2016 Compost Facility Planning Report; 2016 Annual District Report

Table III-7
Facilities Used by the District Which are Located Outside Ohio: Additional Data

Facility Name	Facility Mailing Address	Facility Owner	Facility Operator	2016 Tons Received	Operating Days/Year
RANDOLPH FARMS LANDFILL	2561 KENTUCKY AVE INDIANAPOLIS IN 46220	JOHN BALKEMA 2561 KENTUCKY AVE INDIANAPOLIS IN 46221	DANNY TINSMAN 765-853-5714	70	310
HOOSIER LANDFILL	PACKERTON & CR 700 S CLAYPOOL IN 46510	JEFFEREY EVERETT 90 FORT WADE ROAD PONTE VEDRA FL 32081	DANIEL FLESHOUR 513-895-8067	175	310
JAY COUNTY LANDFILL	5825 W. CR 400 S Portland, IN 47371	BRAD EISENHART 5825 W 400 S PORTLAND IN 47371	MATTHEW RECHTIN 260-726-2871	9,345	310
Indianapolis Resource Recovery Facility	2320 S HARDING ST INDIANAPOLIS IN 46221	JOE MILLER 2320 S HARDING ST INDIANAPOLIS IN 46221	TOM WEHRENBURG 317-634-7367	32	310
BUNN BOX INC.- RECYCLING & TRANSFER STATION	6301 ARDMORE AVENUE FORT WAYNE IN 46809	N/A	N/A	8	310

Source(s) of information: Indiana Department of Environmental Management, 2016 Authorized Operating Solid Waste Facilities

**Table III-8
Open Dumps and Waste Tire Dumps Located in the District**

Site Location (description)	Land Owner Contact Information	Description of Materials Dumped	Approximate Size of Site	Time Period Site has Existed	2020 Update
Open Dump Sites					
6980 Staeger Road, Celina, Ohio 45822	Strawn Investment Properties, LLC / Dennis Strawn	Construction & demolition debris mixed with solid waste, shingles, shredded wood products included glued and pressure treated wood	N/A	2016	Still exists in 2018
Waste Tire Dump Sites					
None.	N/A	N/A	N/A	N/A	N/A

N/A=Not available

Source(s) of information: Mercer County Health Department

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

Site Location (describe briefly)	Land Owner Contact Information	Description of Materials Dumped	Approximate Size of Site	Time Period Site has Existed
None	N/A	N/A	N/A	N/A

Source(s) of information: Ohio EPA - Northwest Ohio District Office

**Table III-10
Solid Waste Haulers Operating in the District**

Hauler	Mailing Address	Service Area	Materials Collected	Tons Collected from District	Name of Facility Used by Hauler
Private Sector Haulers					
Allied Waste	6141 Depweg Celina, OH 45822 (419) 942-1654	Mercer County; Marion Township	Solid waste, recyclables, commercial cardboard	56.89	Ohio Recycling
D & T Trucking Company	1749 Patterson Street Decatur, Indiana 46733	DNR	DNR	DNR	DNR
P&R Disposal	8933 Hoenie Rd, Celina, OH 45822	DNR	DNR	DNR	DNR
Hemmelgarn Services	624 Knoop Johnston Sidney, Ohio 45365	DNR	DNR	DNR	DNR
Ill Son's Towing, Hauling & Salvage	9350 Hoenie Rd., Celina, OH 45822	DNR	DNR	DNR	DNR
J & N Haulers	2668 CR 10 Ada, Ohio 45810	DNR	DNR	DNR	DNR
Klenke's Trash Service	4871 Wabash Road Coldwater, OH 45828 (419) 842-1654	Coldwater; Burkettsville; Townships of Butler, Washington, Gibson, Liberty, Hopewell, Jefferson, and Granville	Solid waste, bulky items, commercial cardboard, yardwaste, and recyclables	DNR	Celina Landfill; Ohio Recycling
Luedke's Trash Hauling	06360 Washington Pike St. Marys, Ohio 45885	DNR	DNR	DNR	DNR
Maharg	P.O. Box 501 Celina, OH 45822 (419) 586-3130	City of Celina, Villages of Chickasaw, Ft. Recovery, Montezuma, Rockford, and St. Henry	Solid waste, bulky items, commercial cardboard, yardwaste, and recyclables	586	Rock Tenn Recycling
New Source Management	600 South Mill Street Celina, Ohio 45822	DNR	DNR	DNR	DNR
Ohio Recycling	7837 St. Rt. 274, Chickasaw, OH 45826	DNR	DNR	DNR	DNR
Public Sector Haulers					
City of St. Marys	101 East Spring Street St. Marys, Ohio 45885	DNR	DNR	DNR	DNR
Total				643	

SW = solid waste, R = recyclables, FW = food waste

Note: Tons not available.

IV. Reference Year Population, Waste Generation and Waste Reduction [ORC Section 3734.53(A)(5)-(6)]

This section of the *Plan Update* presents information regarding the District's population, waste generation, and waste reduction estimates for the reference year.

A. Reference Year Population and Residential/Commercial Waste Generation

Table IV-1, "Reference Year Population and Residential/Commercial Generation," includes an estimate of the 2016 population for the District. The population estimate of 40,909 for Mercer County is based on the Ohio Development Services Agency (ODSA) publication entitled, "2016 Population Estimates by County, City, Village, and Township", May 2017. This population estimate does not include adjustments for political subdivisions located in more than one solid waste district.

Population Adjustments

There were not adjustments made for political subdivisions that shared borders with surrounding solid waste districts and the District.

- The Village of Burkettsville had more than 50% of the population living inside Mercer County (168) and less than 50% living inside Darke County (91). The population of this community in Darke County (91) was added to the District population total.

The total adjusted population for the District in 2016 was 41,000.

B. Residential/Commercial Waste Generation

The District projected the 2016 residential/commercial waste generation using historical data, which is summarized in the following table:

Year	Waste + Recycling	Population	Per Capita Gen Rate (lbs/person/day)	Average Rate of Change for Per Capita Gen Rate
2012	35,938	40,914	4.81	
2013	35,050	40,941	4.69	-2.53%
2014	39,164	40,967	5.24	11.66%
2015	39,883	40,994	5.33	1.77%
2016	38,716	41,171	5.17	-2.94%
2012 – 2015 Average Per Capita Generation Rate:				1.99%

The reference year residential/commercial waste generation data, in the above table, includes the actual per capita generation rate (5.17 PPD) calculated from reported recycling and disposal data in 2016. The average annual rate of change from 2012 through 2016 was 1.99%. All data represented in the table was based upon the generation rates reported on the Annual District Reports.

The 2016 per capita residential/commercial waste generation was 5.17 pounds per person per day. Table IV-1 shows the formula used for estimating the residential/commercial waste generation. This methodology calculated the District's residential/commercial waste generation from the 38,716 tons in 2016. The 38,716 tons of residential/commercial waste generated that was recorded by landfills and transfer stations (26,842 tons) plus reported recycling and source reduction activities for 2016 (11,874 tons). For further discussion on reconciling the waste generation values, see Section IV.H of this *Plan Update*.

C. Industrial Waste Generation

The District conducted an Industrial Survey in 2016 to collect recycling and solid waste data to support this *Plan Update*. Copies of the residential/commercial and industrial survey forms are included in Appendix G, and a summary of industrial survey results are included in Appendix F. Table IV-2, "Industrial Waste Generation Survey Respondents vs. Unreported", presents the results of the District's 2016 Industrial Survey. The District used information from industries responding to the survey as well as Appendix JJ of the Ohio EPA Plan Format to estimate Total Industrial Waste Generated.

The District had 88 industries in SIC codes 20 and 22 through 39. Approximately 31% of the industries (27) responded to the survey. Approximately 2,107 (65%) of the employees were represented by the survey results.

The District calculated the generation rate and tons of waste generated per employee, for each SIC code from the survey respondents. For those SIC codes where no industries responded, the District used the generation rate from Appendix JJ of the Ohio EPA Plan Format to estimate waste generated. A total of 76,388 tons of industrial waste was generated by the District. Approximately 87% (59,257 tons) was reported in the surveys.

D. Exempt Waste

Exempt waste is material that is not defined as solid waste, such as construction and demolition debris. Exempt wastes can be managed in

landfills that have different and often less stringent environmental control requirements. Table IV-3 shows that the total exempt waste generated by the District was 10,225 tons. This includes the exempt waste reported by the landfills and transfer stations receiving the District's waste in Table III-1. The generation rate was 1.37 pounds per person per day.

E. Total Waste Generation (based on national statistics and projections)

Table IV-4, "Reference Year Total Waste Generation for the District," presents the total waste generated using national and industrial projections. Using the national averages adjusted by Ohio EPA, the District projected 125,328 tons of waste was generated in 2016 from all sectors. The generation rate in pounds per person per day is estimated at 16.75. This included residential/commercial waste generation of 38,716 tons (Table IV-1), 76,388 tons (Table IV-2) of projected industrial waste and 10,225 tons of exempt waste (Table IV-3). For further discussion on reconciling the waste generation values see Section IV.H.

F. Reference Year Waste Reduction

Per Ohio EPA's instructions, survey response data for 2015 and 2014 were incorporated into the total tonnage for entities that continued to operate in 2016 that did not provide 2016 data. Residential/commercial waste reduction reported in Table IV-5 and industrial waste reduction reported on Table IV-6 was obtained from these surveys as reported in the Annual District Report. The District was careful to eliminate double counting as described in the sections below.

The District annually surveys communities, commercial businesses, and industrial facilities to obtain recycling statistics. The surveys used are designed for generators versus brokers or processors. To avoid double-counting, surveys requested the broker or processor used to manage each material recycled. If the District used data reported by material recovery facilities, brokers, or processors in addition to data reported by generators to calculate the total recycling for a material, responses were carefully reviewed. Tonnage reported by generators that did not specify a broker/processor were excluded, as were responses that identified any facilities that were included in the existing calculation. Tonnage from businesses indicating their recyclables were delivered to the District's recycling drop-off sites were also eliminated to avoid double counting.

In addition to survey data, the District's reference year recycling total was calculated using recycling tonnage included in Ohio EPA's annual reports for composting facilities, scrap tire recyclers, and material recovery facilities.

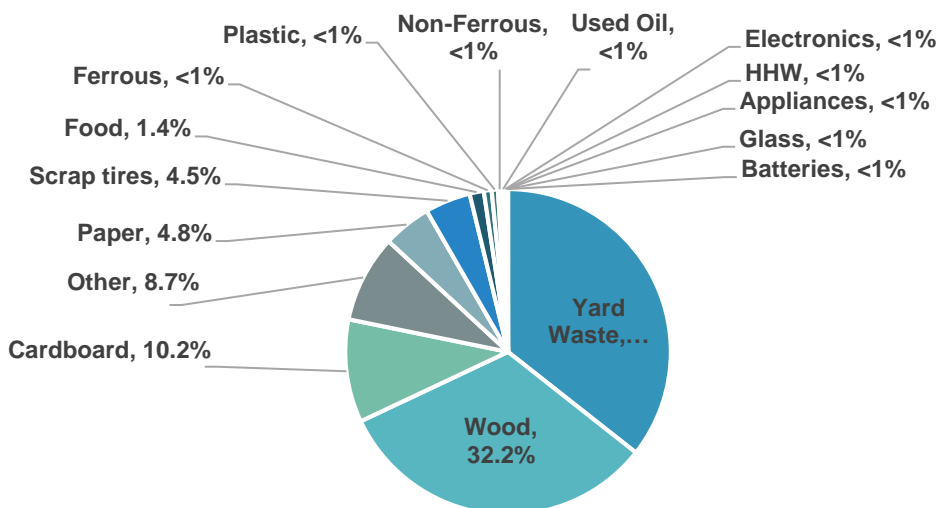
Residential/Commercial Data

Table IV-5, "Reference Year Residential/Commercial Waste Reduction in the District," identifies that 11,874 tons of residential/commercial waste was recycled. This included 4,229 tons of composted yard waste (36% of the material recycled). The largest components of the residential/commercial recycling stream included wood (32%), cardboard (10%), other (9%), and paper (5%). These components comprised 56% of the materials recycled during 2016. The following table summarizes the residential and commercial recycling totals by commodity:

Commodity	2016 Tons
Cardboard	1213.39
Paper	567.91
Scrap tires	538.08
Glass	2.42
Wood	3844.06
Plastic	73.65
Food	167.01
Other	1030.84
Ferrous	91.73
Appliances	5.5
Non-Ferrous	41.18
HHW	14.32
Used Oil	38.7
Electronics	15.44
Batteries	0.23
Composting	4,229.46
Total	11,874

The following figure presents the waste reduction percentages by material for the residential/commercial sector.

2016 Residential/Commercial Waste Reduction



Industrial Data

Table IV-6, "Reference Year Industrial Waste Reduction in the District" indicates that 66,520 tons of industrial waste were recycled in 2016. Ferrous metals accounted for nearly 62% of the industrial sector recyclables. Non-Ferrous represented the second largest component, comprising 17% of the industrial sector's recycling. The following table summarizes the industrial recycling totals by commodity:

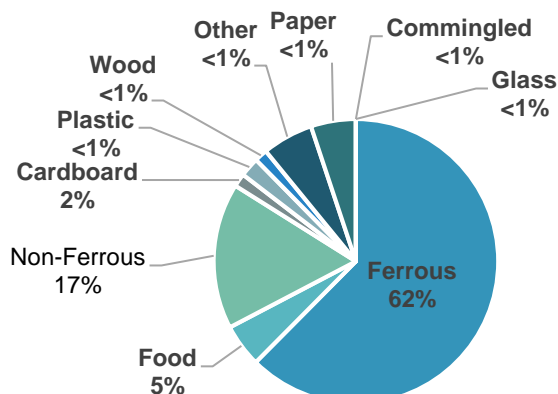
The following figure presents the commodities recycled by the industrial sector in 2016.

2016 Industrial Waste Reduction

Commodity	2016 Tons
Ferrous	41,535
Food	3,250
Non-Ferrous	11,040
Cardboard	1,001
Plastic	1,468
Wood	972
Other	3,853
Paper	3,400
Commingled	0
Glass	0
Total	66,520

The following figure presents the waste reduction percentages by material for the industrial sector.

2016 Industrial Waste Reduction



G. Existing Waste Reduction/Recycling Activities for the Residential, Commercial and Industrial Sectors

The following section summarizes the reference year residential/commercial programs and initiatives for the District. This section is quite extensive and reflects the District's commitment to reducing solid waste from being disposed at landfills.

The District evaluated each of the programs in this section by using a Strength and Challenges process. The results of this process will guide the District in the new planning period for the programs listed below as well as any new programs.

RESIDENTIAL/COMMERCIAL RECYCLING PROGRAMS

MC-1. Curbside Recycling Program

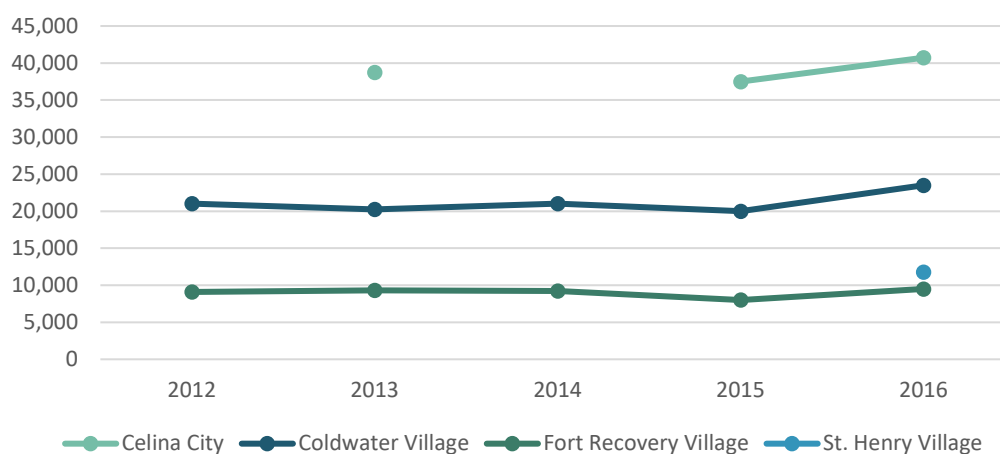
In 2016, there were 8 communities that reported curbside recycling services were available. Of this total, all 8 were subscription based with no non-subscription programs available. In 2016, these programs recycled 598 tons of materials. This data was calculated based on the community's sales of recycled bags purchased by residents. The following table summarizes the subscription curbside programs for 2016:

Location	Operator	Tons Recycled
Burkettsville Village	Allied, Klenke, Marharg	598
Celina City		
Chickasaw Village		
Coldwater Village		
Fort Recovery Village		
Franklin Township		
Rockford Village		
St. Henry Village		

The following table shows the historical number of recycle bags purchased from 2012-2016:

Community	Population Served	Recycle Bags Purchased				
		2012	2013	2014	2015	2016
Burkettsville Village	168	N/A	N/A	N/A	N/A	N/A
Celina City	10,324	N/A	38,750	N/A	37,500	40,720
Chickasaw Village	298	N/A	N/A	N/A	N/A	N/A
Coldwater Village	4,505	21,000	20,250	21,000	20,000	23,500
Fort Recovery Village	1,437	9,100	9,300	9,200	8,000	9,500
Franklin Township	2,098	N/A	N/A	N/A	N/A	N/A
Rockford Village	1,102	N/A	N/A	N/A	N/A	N/A
St. Henry Village	2,513	N/A	N/A	N/A	N/A	11,750
Total Bags		30,100	68,300	30,200	65,500	85,470
Tons Recycled		211	663	706	459	598

Historical Recycle Bags Purchased from Municipalities with Subscription Recycling



The historical data on bags of recycling purchased for the subscription curbside programs listed above demonstrates that the amount of recycling from curbside programs has stayed consistent and grown slightly over time. The District chose to calculate the curbside recycling tonnage of 598 tons based on the number of bags purchased in 2016. This data coincides with other years data which included actual data from the processor of the recyclables. Since the processor did not provide actual recycling data for 2015, the District used the sale of recycle bags and the average weight per bag from previous years to calculate 2016 recycling data.

Communities which participate in the bag program but did not report the number of recycling bags in 2016 were not included in the tonnage calculation. Celina City sold 40,720 bags, Coldwater Village sold 23,500 bags, Fort Recovery Village sold 9,500 bags, and St. Henry Village sold

11,750 bags, for a total of 85,470 bags reported. Each community was required to place cardboard in its own bag and commingled materials in a separate bag. An average of 14 pounds per bag (8 pounds for cardboard and 20 pounds for commingled) was used to calculate a total of 598 tons from 85,470 bags sold in the four reported communities. The District believes the 598 tons shown in this *Plan Update* is conservatively accurate and realistic representation based on historical recycle bags purchased.

The following figure depicts the location of all subscription curbside recycling programs in the District:

2016 District Curbside Recycling Activities



These communities operate their curbside programs as a pay-as-you-throw (PAYT) system of solid waste collection where residents must purchase trash, recyclable and yard waste bags at various retail outlets in the County. The communities contract directly with the trash haulers for the bag program. The haulers are required to provide the

service and collect the bags if placed at the curb. Any resident in the community that has a contract can participate. In addition, local businesses and institutions can also participate in the program if they also purchase the bags and notify the hauler that they have materials to be collected. The District is aware of some businesses that participate in the program but it is not a wide spread occurrence. All trash bags are collected separately from recyclables and yard waste. The haulers do allow residents to bundle cardboard and place at the curb for no extra cost. The trash bags cost approximately 40% more than the recycle bags, thus encouraging residents to recycle versus dispose of their solid waste materials. The following were establishments in 2016 that sold curbside bags:

Municipality	Locations
City of Celina	Chief Supermarket Ace Hardware Celina Party Mart Eastown Party Mart IGA
Village of Coldwater	Chief Supermarket Ben Franklin Ace Hardware Knaps Carryout Northtown Marathon Westown Shell
Village of Fort Recovery	Wayne IGA Thobe's Carryout Shell Party Mart.
Village of St. Henry	Gels IGA Shell Station Tru-Value Hardware
Village of Rockford	TJ's Grocerette Barry's Family Market
Franklin Township	Zuma-Thru Carryout

Each curbside recycling program collected at a minimum:

- Newspapers
- Catalogs
- Magazines
- Junk Mail
- Office Paper
- Food Boxes
- Paper Egg Cartons
- Cardboard
- Aluminum Cans, Foil and Pie Pans
- Tin Cans
- PET and HDPE Containers
- Glass Bottles and Jars

The District conducted an analysis of the per capita waste reduction from the communities that had curbside recycling in 2016. The following table summarizes the analysis results:

Community	Population	Tons Recycled	Pounds Per Person Per Year
Burkettsville	168	598	216
Celina	10,324		
Chickasaw	298		
Coldwater	4,505		
Fort Recovery	1,437		
Franklin Township	2,098		
Rockford	1,102		
St. Henry	2,513		
Totals	22,445		

The following section summarizes the planned activities and initiatives to compliment or provide technical assistance for curbside recycling programs in the District:

Maintaining Curbside Recycling Programs

For any planned or existing curbside recycling program that ceases to operate during the planning period, the District planned to implement the following initiatives:

- Meet with the operator of the curbside program to determine cause of program elimination. This was to be implemented as needed. There was no activity in 2016.
- Offer any assistance permitted under this *Plan Update* to re-start the program. This was to be implemented as needed. There was no activity in 2016.

Curbside Recycling Expansion in Townships

The District planned to work with the townships in the county that do not provide curbside recycling to consider the options available including contracting for curbside recycling services in combination with trash collection. This strategy involved the following possible initiatives:

- In an effort to stimulate demand, the District could conduct awareness campaigns to targeted communities to communicate the value of contracting for waste and recyclables collection. This effort could include:
 - Distribution of educational materials.
 - Targeted media promotions, billboards, bus signs and/or social media.
 - Direct mailers (brochures or post cards).

- Public service announcements.

The District would only implement this initiative in communities that showed interest in the concept of contracting for curbside trash and recycling services and accepted the District's offer to stimulate demand at the resident level. No interest from communities was requested in 2016.

Curbside Recycling Cooperatives

- In order to improve economies of scale and support regional cooperation, the District could evaluate the options of conducting regional cooperative contracts for multiple smaller villages and cities for purchasing curbside waste and recycling services. The evaluation process could include the following:
 - Determining service provider capabilities.
 - Accessing market conditions and prices for contracted services.
 - Determining the ideal matrix of cooperative size/density for best price for the service provided.
 - Determining residents' level of support.
 - Identifying cooperative options (by community, by region, by service, etc.).
 - Developing pros and cons for cooperative development.

This initiative was contingent on the cooperation of the communities and their ultimate decision makers. The District would evaluate the level of cooperation from communities before committing to evaluating options.

The District researched, through the planning process, what other solid waste districts have done in this area. The research indicated that significant buy in from the political subdivisions is necessary prior to implementing cooperatives. The District would work with any combination of communities, as a technical advisor, towards developing cooperatives throughout the planning period. Technical assistance is defined as:

- Providing information and data on cooperatives and consortiums to communities.
- Meeting with interested parties including haulers, community leaders, residents and other stakeholders to advance the concept of cooperative contracts for curbside trash and recycling services.
- Providing low level legal assistance and/or interpretation and sample contract documents.

- Assist in promoting and educating the general public on any proposed cooperative.

This was to be implemented as needed. Due to the limited financial funds, the District was unable to implement this activity in 2016. The District will evaluate implementation options in 2017 and beyond.

Curbside Recycling Expansion Issues

- Conduct stakeholder meetings with community leadership including township trustees and public service personnel, residents, and haulers to understand the issues preventing contracting of curbside services and to determine possible solutions.

This was to be implemented as needed. Due to the limited financial funds, the District was unable to implement this activity in 2016. The District will evaluate implementation options in 2017 and beyond.

Curbside Recycling Bid Specification Development

- The District offered to work with communities to develop suitable bid specifications for contracting for non-subscription curbside waste and recycling services.

This initiative would be implemented only if a community ultimately develops a contract for curbside trash and recycling services.

This was to be implemented as needed. There were no community requests or opportunities for bid specification development in 2016.

The following table summarizes the program details:

Program Summary	
Description	Details
Program Implementation	Ongoing
EPA Program Number from ADR	4992, 2268, 4994, 4988, 4991, 2269, 4989, 4993, 8809, 8808, 8811, 8812, 8810
Entity Responsible for Maintaining Program	Private Sector
Service Area for Program	District
Materials Reduced/Recycled	Newspapers, Catalogs, Magazines, Junk Mail, Office Paper, Food Boxes, Paper Egg Cartons, Cardboard, Aluminum Cans, Foil/Pie Pans, Tin Cans, PET and HDPE

Program Summary	
Description	Details
	Containers, Glass Bottles and Jars
2016 Recycled Tonnage	598
2016 Annual Program Costs	\$0
Program Operator/Contractor	Private Sector

Strengths of the program include:

- The majority of the District's highly dense populated areas have subscription curbside recycling available.
- The communities are satisfied with the level of curbside recycling services available to their residents.
- Because of the bag program used by the haulers in the District, a direct economic incentive to recycle is provided as the recycle bags are roughly half the price of trash bags.

Challenges of the program include:

- Haulers do not have to report number of bags sold for recyclables and trash.
- There are no non-subscription curbside programs.
- Townships have not shown an interest in contracting for solid waste and recycling services.
- Increasing participation and quantities collected is difficult.
- The District is not able to obtain data on the quantities collected.

MC-2. Drop-Off Recycling Program

The District has four full-time drop-off recycling stations. The District obtained Alley Cat style trailers through a State grant and placed them at the following locations in 2016:

- Village of Burkettsville
- St. Henry Local Schools
- Wright State University Lake Campus Housing



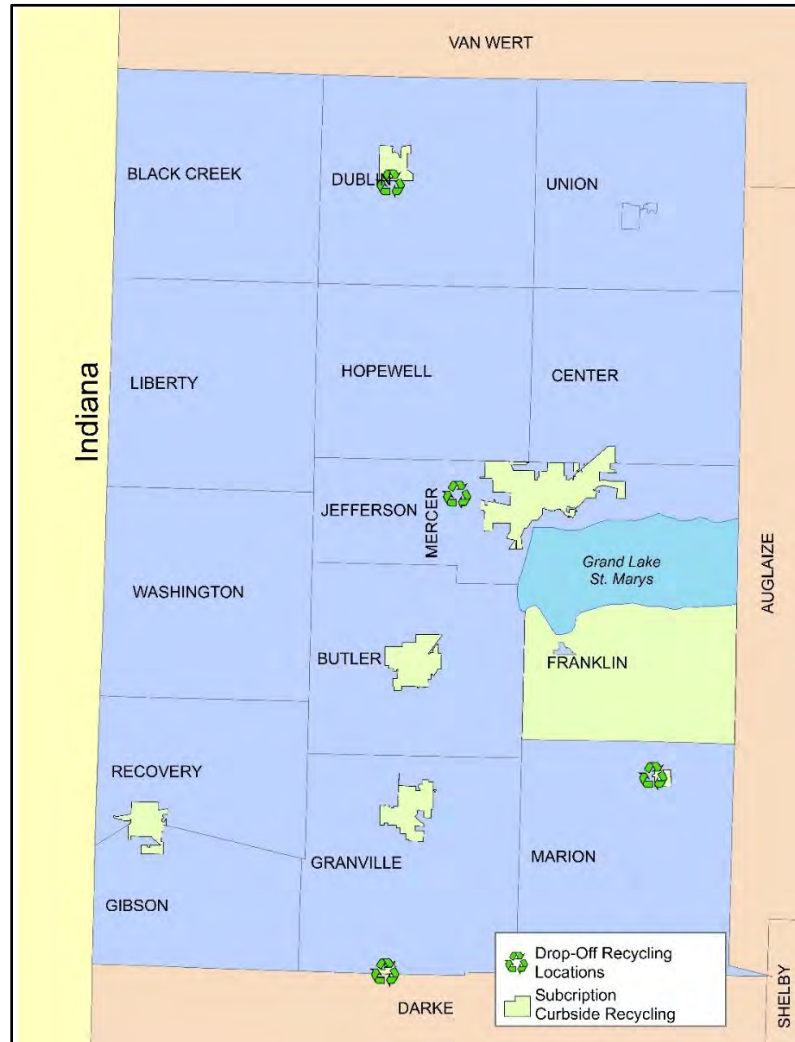
The following table summarizes the recycling drop-off locations:

Location	Operating Status
Burkettsville Village	24 Hours/Day, 7 Days/Week
Jefferson Township	Monday – Friday 9:00 AM – 3:00 PM Paper and Cardboard Only
St. Henry Village	Not Available to the Public
Rockford Village (Parkway High School)	Third Saturday of Each Month 9:00 AM – 12:00 PM
Chickasaw Village	24 Hours/Day, 7 Days/Week
Celina Boy Scouts 435 Wayne Street, Celina, OH	24 Hours/Day, 7 Days/Week Newspaper Only
Coldwater Swim Team 200 Mill Street, Coldwater, OH	24 Hours/Day, 7 Days/Week Newspaper Only

All drop-off stations collected at a minimum the following materials:

- Cans
- Glass containers
- Plastic #1 and #2
- Mixed paper (newspaper, office paper, magazines)
- Cardboard

The following figure depicts the location of all drop-off centers in Mercer County:

2016 District Drop-Off Facilities

The following section summarizes the planned activities and initiatives to compliment or provide technical assistance for drop-off recycling programs in the District:

Program Operation Assessment

During the evaluation of this program in previous Plan Updates and for this *Plan Update*, the District received complaints from local haulers and Ohio Recycling that residents were using the drop-off centers in lieu of purchasing recycle bags. Currently, all four drop-offs are near communities that offer curbside recycling. Previous survey results have not shown any abuses and the District is not aware of any new abuses of the drop-off sites.

The following procedure was developed to deal with any abuses of the drop-off program:

- Develop signs that drop-offs are for small businesses and multi-family housing and township residents only.
- Increase education and awareness on the value of the bag system and convenience.
- Encourage townships to add the bag program to their jurisdictions.

The District did not need to implement the above procedure in 2016.

The following table summarizes the program details:

Program Summary	
Description	Details
Program Implementation	2008
EPA Program Number from ADR	7358, 8804, 8802, 8803, 7357
Entity Responsible for Maintaining Program	Private sector and not-for profit organizations (See Table III-5)
Service Area for Program	District
Materials Reduced/Recycled	Cans, Glass containers, Plastic #1 and #2, Mixed paper (newspaper, office paper, magazines), Cardboard
2016 Recycled Tonnage	50.5
2016 Annual Program Costs	\$0
Program Operator/Contractor	Private sector and non- profit operators

Strengths of the program include:

- The program provides excellent recycling opportunities for rural communities that do not have curbside recycling.
- Recycling opportunities are also available for residents in multi-family dwellings and small businesses where curbside services are not provided.
- Most drop-off programs do not have limited hours.
- The program has very little misuse and contamination.

Challenges of the program include:

- The District is not able to obtain data on the quantities collected.

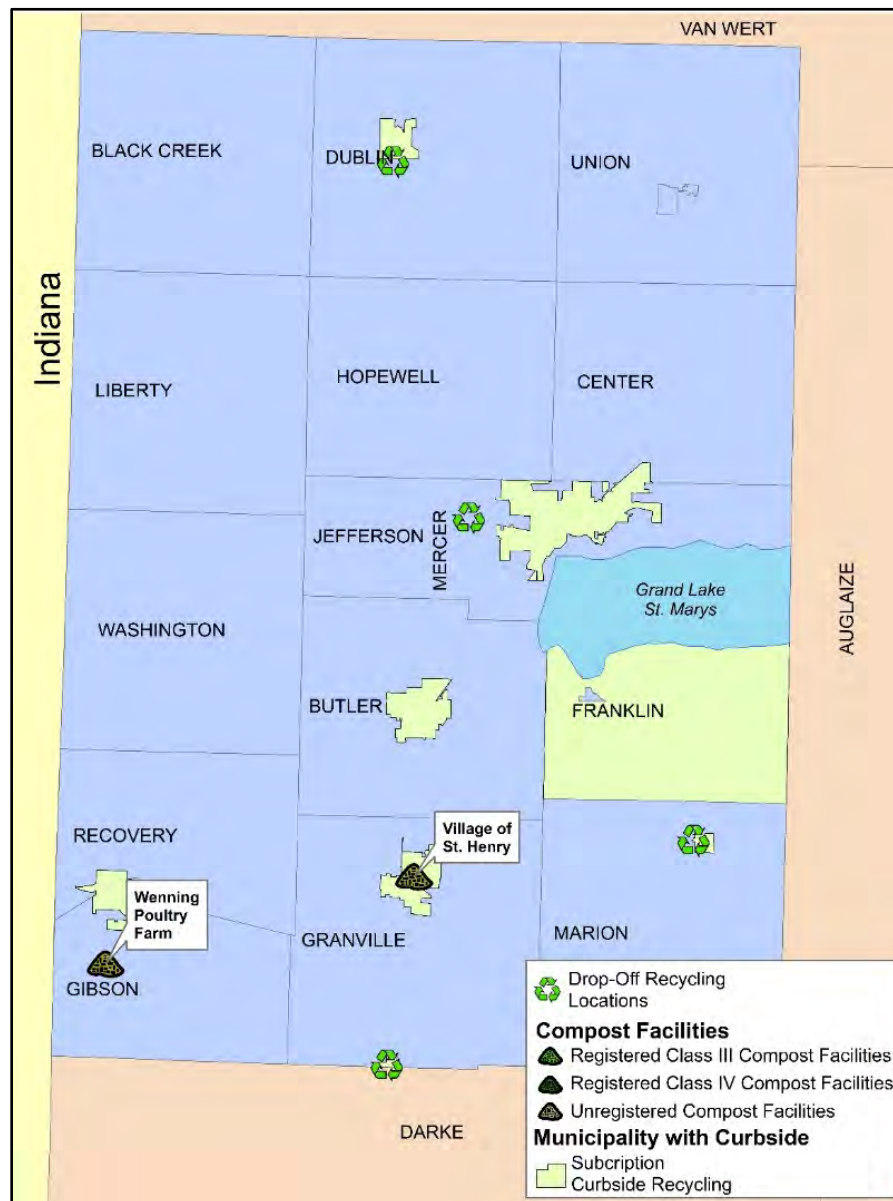
- Residents in many townships do not have access to convenient recycling options and have to drive farther distances to recycle.

MC-3. Yard Waste Management Program

In 2016, there were three registered yard waste composting facilities that recycled 5,312 tons. There was also one non-registered facility, activities and program in the District that recycled 208 tons of materials. In total, these facilities, activities and programs composted 4,229 tons of yard waste materials in 2016.

Each private and public sector compost operation is responsible for their program or facility. The private sector operations provide service to the entire District. The public sector facilities were typically limited in service area to their respective communities.

The following map depicts the compost facilities in the District in 2016:

2016 In-District Compost Facilities

The following section summarizes the planned activities and initiatives to compliment or provide technical assistance for yard waste recycling programs in the District:

Grass Cycling and Backyard Composting Education

In 2016, the District continued to have a display at the County Fairgrounds which presents information on backyard composting and managing yard waste. The District also distributes a USEPA generated brochure titled “Greenscaping”. These brochures are also available at the District office.

The following table summarizes the program details:

Program Summary	
Description	Details
Program Implementation	Ongoing
EPA Program Number from ADR	7354, 7341
Entity Responsible for Maintaining Program	District Political Subdivisions and Private Sector Compost Facilities
Service Area for Program	District
Materials Reduced/Recycled	Yard waste, food waste, brush, leaves, grass, wood
2016 Recycled Tonnage	3,854
2016 Annual Program Costs	\$0
Program Operator/Contractor	Various Political Subdivisions and Private Sector Compost Facilities

Strengths of the program include:

- The District diverted a significant amount of yard waste from landfills in 2016.
- This program is conducted at very little cost to the District.
- Program included education component to help increase backyard composting for areas which do not have a close compost facility.

Challenges of the program include:

- None.

MC-4. Household Hazardous Waste Management

The District held their HHW on September 17, 2016 from 9 AM to 1 PM at the Mercer County Fairgrounds. Approximately 450 cars participated during this time. Veolia was the contractor hired to handle all of the HHW. Most latex paint (11 gaylord boxes) was separated from the collection event and taken to American Paint Recyclers in Middle Point, Ohio.

The following materials were accepted at the collection event:

- Oil based paint, stains, shellacs, varnishes, lacquers
- Automotive fluids
- Pesticides, herbicides
- Pool chemicals, cleaners
- Adhesives and other miscellaneous flammable products

- Mercury containing devices

The following section summarizes the planned activities and initiatives to compliment or provide technical assistance for HHW recycling in the District:

User Fee Evaluation

The District planned to evaluate the opportunity to operate the HHW program with a user fee to residents which can promote or encourage waste minimization while reducing the cost of operating the program for the District. In 2016, the evaluation was not completed.

Alternative HHW Management Options

The District also reserved the right to implement other strategies for HHW management including, but not limited to the following:

- Direct education and awareness (presentations) initiatives without collection;
- Indirect education and awareness (brochures, website) initiatives without collection;
- Reduced frequency collections;
- Reducing acceptable materials including latex paint;
- HHW cooperatives with other solid waste districts; and
- Other strategies as identified throughout the planning period.

The District reserved the right to conduct annual free HHW collections, as determined by the Board. For 2016, the Board decided to conduct the free HHW collection event described above. No other alternative HHW management program was implemented in 2016 other than education and outreach.

The following table summarizes the program details:

Program Summary	
Description	Details
Program Implementation	2000
EPA Program Number from ADR	2288, 2289
Entity Responsible for Maintaining Program	District
Service Area for Program	District
Materials Reduced/Recycled	Paint, automotive fluids, antifreeze, pesticides, batteries, miscellaneous chemicals, roof tar, driveway sealer, mercury containing devices,

Program Summary	
Description	Details
2016 Recycled Tonnage	N/A
2016 Annual Program Costs	\$19,894
Program Operator/Contractor	Veolia

Strengths of the program include:

- HHW collection is held at a commonly known location and central to the County and was free to participate.
- Provides an education and outreach opportunity for participants on HHW management issues and other District initiatives.

Challenges of the program include:

- One-day collections are very costly and do not promote waste minimization practices.

MC-5. Lead Acid Battery Recycling

The District collected lead-acid batteries at the annual HHW collection event and delivered them to Ohio Recycling. Ohio Recycling also accepted lead-acid batteries throughout the year and paid residents for the batteries. The District also advertised on its website additional retailers that will accept lead-acid batteries during the year, including the following:

Retailer	Location
Advanced Auto Parts	521 Grand Lake Road, Celina, Ohio 45822 (419) 586-5599
Auto Zone	410 E. Market Street, Celina, Ohio 45822 (419) 584-1254
NAPA Auto Parts	401 S. Main Street, Celina, Ohio 45822 (419) 586-2361
NAPA Auto Parts	205 E. Vine Street, Coldwater, Ohio 45828 (419) 678-2383
NAPA Auto Parts	205 N. Wayne Street, Fort Recovery, Ohio 45846 (419) 375-4137
Ohio Recycling	7837 State Route 274, Chickasaw, Ohio 45826 (419) 925-4444
Tractor Supply Company	4581 US Route 127, Celina, Ohio 45822 (419) 268-2550

The following table summarizes the program details:

Program Summary	
Description	Details
Program Implementation	2000
EPA Program Number from ADR	7338
Entity Responsible for Maintaining Program	District
Service Area for Program	District
Materials Reduced/Recycled	Lead Acid Batteries
2016 Recycled Tonnage	N/A
2016 Annual Program Costs	\$0
Program Operator/Contractor	Ohio Recycling

Strengths of the program include:

- The annual HHW program provides an excellent opportunity for residents to recycle lead acid batteries at a central location.
- Residents and businesses have a year-round opportunity to recycle lead acid batteries at local vendors throughout the District.
- The program does not cost the District directly for the management of the batteries.

Challenges of the program include:

- None.

MC-6. Used Oil Management

The District collected used oil at its annual HHW collection event in 2016. The District also promotes local vendors that recycle used oil year-round including the following:

Retailer	Location
Advanced Auto Parts	521 Grand Lake Road, Celina, Ohio 45822 (419) 586-5599
Auto Zone	410 E. Market Street, Celina, Ohio 45822 (419) 584-1254
Giere Truck & Trailer	1030 N. Second Street, Coldwater, Ohio 45828 (419) 678-4884
Platinum Auto Group	6650 Meyer Road, Celina, Ohio 45822 (419) 584-0142
Tractor Supply Company	4581 US Route 127, Celina, Ohio 45822 (419) 268-2550
Poly Works	4830 St Rt 219, Coldwater, OH 45828 419-678-3758

The following table summarizes the program details:

Program Summary	
Description	Details
Program Implementation	2000
EPA Program Number from ADR	7337
Entity Responsible for Maintaining Program	District
Service Area for Program	District
Materials Reduced/Recycled	Used Oil
2016 Recycled Tonnage	N/A
2016 Annual Program Costs	Included in HHW costs or no cost for local vendors
Program Operator/Contractor	Veolia (HHW Event) Local Vendors

Strengths of the program include:

- Used oil is collected annually at the District's HHW event for no charge.
- Local vendors provide year-round opportunities for residents and businesses to recycle used oil.

Challenges of the program include:

- None.

MC-7. Scrap Tire Management

The District continued to respond to residents calls regarding scrap tire disposal in 2016. The District encouraged residents and businesses to contact local tire dealers that can accept tires for a fee (\$3.00/tire in many

places). A brochure was also distributed at public events to educate the public on scrap tire disposal laws and the nuisance that they present. The brochure is also available at the Health Department, Farm Service Agency, the Commissioner's office, and the District office.

The District along with the Mercer County Health Department and the Mercer County Soil & Water Conservation District hosted a Tire Amnesty Day on May 7, 2016 at the Mercer County Fairgrounds. The event was held from 9:00 AM to 1:00 PM. During this time, the District collected 122.16 tons of tires that were hauled by R&R Tire Disposal to Entech in White Pigeon, MI. The event was funded by a grant received from the Ohio EPA and by the District.

The following table summarizes the program details:

Program Summary	
Description	Details
Program Implementation	2005
EPA Program Number from ADR	7339, 5005
Entity Responsible for Maintaining Program	District
Service Area for Program	District
Materials Reduced/Recycled	Scrap Tires
2016 Recycled Tonnage	122.16
2016 Annual Program Costs	\$21,975.44
Program Operator/Contractor	R&R Tire Disposal

Strengths of the program include:

- Ongoing opportunity to recycle scrap tires at local dealers.
- District received a grant to host tire amnesty day in 2016.

Challenges of the program include:

- None.

MC-8. Electronics Management

The District promotes electronics recycling through its website. The District has two local companies, Ohio Recycling and Reconnect, that offer a wide range of computer recycling services. Reconnect offered the following in 2016:



Recyclable Items Accepted

Reconnect accepts any brand of used computer equipment in any condition. They also accept just about anything that can be connected to a computer.

- Monitors
- Computers (Desktop & Laptop)
- Printers - Including laser & inkjet
- Scanners
- Hard Drives (External or Internal)
- Keyboards - Wired or wireless
- Mice - Wired or wireless
- Speakers - With or without cables
- Cell Phones
- Cords & Cables - Including power cords & USB cables
- Ink & Toner Cartridges - Full or empty
- Software
- Microsoft Xbox® - Systems & peripherals
- Microsoft Zune® - Systems & peripherals
- Microsoft-branded Webcams

Ohio Recycling offered the following in 2016:

- Monitors (\$0.10/pound)
- Computers (Desktop & Laptop) (\$0.035/pound)

The following table details their locations and hours of operation:

Retailer	Location
Ohio Recycling	7837 St. Rt. 274, Chickasaw, OH 45826 Phone: 419-925-4444 Mon-Fri 8:30am - 4:30pm Sat 8:00am - 12:30pm
Reconnect	2030 Holiday Dr., Celina, OH 45822 Phone: 567-890-2000 M-Sa: 8:00 am - 8:00 pm Su: 11:00 am - 5:00 pm

The District also supported take-back programs offered by national retailers such as Dell and Best Buy where available.

The District annually surveyed all known processors that accept District electronics to collect reuse and recycling data and participation trends.

The following table summarizes the program details:

Program Summary	
Description	Details
Program Implementation	2002
EPA Program Number from ADR	8805
Entity Responsible for Maintaining Program	Varies
Service Area for Program	District
Materials Reduced/Recycled	CPUs, Keyboards, Monitors, Printers, Fax Machines, other Electronics, TVs
2016 Recycled Tonnage	N/A
2016 Annual Program Costs	\$0
Program Operator/Contractor	Varies

Strengths of the program include:

- Residents and businesses in the District have the opportunity to recycle electronics from a variety of local and regional vendors.

Challenges of the program include:

- None.

MC-9. Appliance Collection

The appliance collection was held in connection with the HHW at the Mercer County Fairgrounds in 2016. There were approximately 5.5 tons collected during the event. The District also promotes the businesses that collect appliances throughout the year on their website. The District also advertised on its website additional retailers that will accept appliances during the year, including the following:

Retailer	Location
III Sons	9350 Hoenie Road Celina, Ohio 45822 (419) 363-2277
Ohio Recycling	7837 State Route 274 Chickasaw, Ohio 45826 (419) 925-4444
Celina Recycling, LLC	5381 Mud Pike Rd Celina, OH 45822 567-890-3900

The following table summarizes the program details:

Program Summary	
Description	Details
Program Implementation	2001
EPA Program Number from ADR	8806
Entity Responsible for Maintaining Program	District
Service Area for Program	District
Materials Reduced/Recycled	Refrigerators, Stoves, Washers, Dryers, Freezers, AC Units
2016 Recycled Tonnage	5.5
2016 Annual Program Costs	\$0
Program Operator/Contractor	Celina Recycling, LLC

Strengths of the program include:

- The District combined the appliance collection with the HHW collection to make recycling easier for residents, some of which may drive a farther distance to the event.
- Residents and businesses can recycle appliances year-round at local vendors.

Challenges of the program include:

- None.

MC-10. County Offices Recycling Program

The District instituted a recycling program in all County offices in 2004. The program is operated by the County Maintenance Department. In 2016, 15 tons of cardboard and mixed paper, 0.75 tons of aluminum beverage containers and 1.50 tons of plastic containers were delivered to a local MRF through this program. The aluminum and PET bottles are collected with recycling containers provided by the District. PET recycling containers and paper bins are also provided to schools and various County offices.

The following materials are accepted for recycling:

- Steel
- Aluminum
- Glass
- Plastic
- Newspaper
- Office Paper
- Cardboard

The following table summarizes the program details:

Program Summary	
Description	Details
Program Implementation	Ongoing
EPA Program Number from ADR	2275
Entity Responsible for Maintaining Program	District
Service Area for Program	District
Materials Reduced/Recycled	Mixed Paper, Beverage Containers
2016 Recycled Tonnage	22.25 tons
2016 Annual Program Costs	N/A
Program Operator/Contractor	County Maintenance Department

Strengths of the program include:

- Provides recycling opportunities and cost savings to County offices.

Challenges of the program include:

- None.

MC-11. Litter Collection

The District along with the Mercer County Engineers and the Mercer County Township Trustees conducted a Spring Roadside Litter Cleanup in 2016. The District provided garbage bags, gloves and safety vests and paid for the disposal of the collected litter. There was approximately 800 miles of roadway ditches cleaned and approximately 5,760 garbage bags of litter collected. The trustees solicit the help of approximately 192 volunteers during the cleanup totaling 1,500 man hours. A total of 2,020 lbs. of recyclables were collected.

The District reserved the right to suspend funding for this program at any point in the planning period for any reason as determined by the Board of County Commissioners.

The following table summarizes the program details:

Program Summary	
Description	Details
Program Implementation	2002
EPA Program Number from ADR	8807
Entity Responsible for Maintaining Program	District
Service Area for Program	District
Materials Reduced/Recycled	Litter
2016 Recycled Tonnage	1

Program Summary	
Description	Details
2016 Annual Program Costs	\$4,789.44
Program Operator/Contractor	County Engineer

Strengths of the program include:

- Creates a great collaboration between the District, Township Trustees and the Mercer County Engineers office.
- Cleaned over 800 miles of roadways for a cleaner and more beautiful Mercer County.

Challenges of the program include:

- None.

MARKET DEVELOPMENT PROGRAMS

MC-12. Market Development Support

The District supported the development of markets in 2016 by implementing the following initiatives:

Closed Loop Recycling

The District works with an Education Specialist that is shared with Auglaize County. The Education Specialist provides information and materials on “closed loop recycling” and “Buy Recycled” at presentations throughout the District. In 2016, the Education Specialist made 78 presentations throughout the District. The audiences included: 2,102 elementary school students, 24 high school students and 15 adults.

The following table summarizes the program details:

Program Summary	
Description	Details
Program Implementation	Ongoing
EPA Program Number from ADR	7344
Entity Responsible for Maintaining Program	District
Service Area for Program	District
Materials Reduced/Recycled	N/A
2016 Recycled Tonnage	N/A
2016 Annual Program Costs	Cost included in Educational Specialist budget.

Program Summary	
Description	Details
Program Operator/Contractor	District

Strengths of the program include:

- Education specialist represents a Solid Waste District public appearance and shares the importance in buying recycled materials to support markets.
- Over 2,100 individuals attended presentations in 2016.

Challenges of the program include:

- None.

RESIDENTIAL/COMMERCIAL/IDUSTRIAL SECTOR EDUCATION AND AWARENESS PROGRAMS

MC-13. Education and Awareness Program

The District provided a comprehensive series of education and outreach services and initiatives to residents and businesses in 2016. The District shares an environmental educator with Auglaize County to conduct a majority of the program initiatives listed below:

- Youth/Adult Presentations
- Community Meetings
- Advertising Campaigns
- Targeted Community Education Campaigns
- Scrap Tire Management Education
- Lead Acid Battery Management Education
- Used Oil Management Education
- Grass Cycling and Backyard Composting Education
- Close Loop Recycling Initiative
- Commercial Business Recycling and Waste Reduction Assistance
- County Office Recycling Program Performance Promotion
- Educator Networking
- District Web Site
- Community Solid Waste Contracting Workshop

Targeted audiences for the services include the following:

- Youth and adult audiences

- Small and large businesses
- Institutions

The following section summarizes the District's education and awareness initiatives for 2016.

Youth/Adult Presentations

The District works with an Education Specialist that is shared with Auglaize County. The Education Specialist provides information and materials on "closed loop recycling" and "Buy Recycled" at presentations throughout the District. In 2016, the Education Specialist made 78 presentations throughout the District. The audiences included: 2,102 elementary school students, 24 high school students and 15 adults.

The education specialist also makes presentations about the importance of recycling at various community locations.

Community Meetings

The District may contact haulers to determine participation rates and feedback regarding performance of curbside programs for various communities. Due to the limited financial funds, the District was unable to implement this activity in 2016.

Advertising Campaigns

The District maintains its website with the recycling opportunities that are available to the residents and businesses of Mercer County. The District also advertised for the combination appliance and HHW collection event.

Targeted Community Education Campaigns

The District participates at the County Fair in August of each year. The District along with the Sanitary Engineer hosts a booth at the fair where educational materials are handed to the residents and businesses. No other targeted campaigns occurred in 2016.

Scrap Tire Management Education

The District advertised the locations available to recycle scrap tires, lead-acid batteries and used oil on the District web site in 2016.

Lead Acid Battery Management Education

The District advertised the locations available to recycle scrap tires, lead-acid batteries and used oil on the District web site in 2016.

Used Oil Management Education

The District advertised the locations available to recycle scrap tires, lead-acid batteries and used oil on the District website in 2016.

Grass Cycling and Backyard Composting Education

In 2016, the District continued to have a display at the County Fairgrounds which presents information on backyard composting and managing yard waste. The District also distributes a USEPA generated brochure titled "Greenscaping". These brochures are also available at the District office.

Close Loop Recycling Initiative

The District works with an Education Specialist that is shared with Auglaize County. The Education Specialist provides information and materials on "closed loop recycling" and "Buy Recycled" at presentations throughout the District. In 2016, the Education Specialist made 78 presentations throughout the District. The audiences included: 2,102 elementary school students, 24 high school students and 15 adults.

Commercial Business Recycling and Waste Reduction Assistance

The District provided technical assistance to businesses and industries on how to recycle various materials at their place of business. In 2016, the District received questions about proper disposal and recycling of florescent lights, computers, hazardous waste, and paint. These businesses were given contacts to companies that could assist them for their recycling needs. Many of them were given Auglaize Co. SWMD contact information to possibly arrange pickup of their materials.

County Office Recycling Program Performance Promotion

The District promoted the results of this program in the ADR to the County Commissioners each year to demonstrate the program implementation and performance for the previous year. The District met with the recycling hauler to access the program's performance for 2016.

Educator Networking

The District's Educator communicates with other educators to keep current on various education topics in 2016. The educator also attended the winter and summer OALPRP networking meeting.

District Website

The District maintains its website with recycling information for residents and businesses and updates it on a frequent basis. The District maintained a website in 2016 located at the following address: <http://mcswmd.webs.com>. The web page contains the following:

- Drop Off Locations
- Recycling in Our County
 - How to Recycle
 - Where to Recycle
 - Why Recycle?
- Important Links
- Educational Specialist
- Current Solid Waste Management Plan



Community Solid Waste Contracting Workshop

To encourage townships to contract for solid waste services, the District may conduct a workshop on the potential benefits of contracting for solid waste services for the villages and townships of Mercer County. Due to the limited financial funds, the District was unable to implement this activity in 2016.

The following table summarizes the program details.

Program Summary	
Description	Details
Program Implementation	Ongoing
EPA Program Number from ADR	2279, 7334, 7336, 4997, 2278, 2280, 4998, 2277, 7348, 7347, 7341
Entity Responsible for Maintaining Program	District
Service Area for Program	District
Materials Reduced/Recycled	N/A
2016 Recycled Tonnage	N/A
2016 Annual Program Costs	\$3,780
Program Operator/Contractor	District

Commercial/Industrial/Institutional Sector Technical Assistance

The District offered technical assistance to industrial and commercial businesses and institutions in 2016. The technical assistance included the following:

- Waste assessments and audits if requested
- Answer questions on solid waste management issues
- Provide resources on recycling and solid waste management
- General technical assistance as requested

The District did not conduct any of the above activities in 2016 as no requests for assistance were received.

Strengths of the program include:

- The District provides a comprehensive education and outreach program for residents and businesses with minimal staffing and funding.

Challenges of the program include:

- None.

OTHER PROGRAMS

MC-14. Plan Implementation, Preparation and Monitoring

The District conducts annually a variety of activities related to implementing and monitoring its solid waste plan. Every five years, the District also prepares updates to its solid waste plan. The following summarizes the activities in 2016 related to this program:

Plan Implementation

The District implemented the current solid waste plan as intended by the Policy Committee, in 2016, with minimal variances.

Plan Preparation

The District hired GT Environmental, Inc. to assist with the development of the Annual District Report for 2016, and the Plan preparation activities which began in 2016 and will continue until 2018.

Plan Monitoring

The District surveyed 378 commercial businesses, 55 industrial businesses, 5 compost facilities, 9 brokers and processors and 9 communities. The results of the survey were incorporated into the Annual District Report for 2016 as well as for this *Plan Update*.

MC-15. Health Department Funding

The Mercer County Health Department completed at least 4 inspections in 2016 at the Celina Landfill. Numerous impromptu visits were also made to the landfill. The landfill received no violations during the year. The District provided \$6,680 to the Health Department for their services in 2016.

The following table summarizes the program details:

Program Summary	
Description	Details
Program Implementation	Ongoing
EPA Program Number from ADR	7340
Entity Responsible for Maintaining Program	District
Service Area for Program	District
Materials Reduced/Recycled	N/A
2016 Recycled Tonnage	N/A
2016 Annual Program Costs	\$7,000
Program Operator/Contractor	Mercer County Health Department

Strengths of the program include:

- This funding provides necessary services relative to solid waste management in the county.

Challenges of the program include:

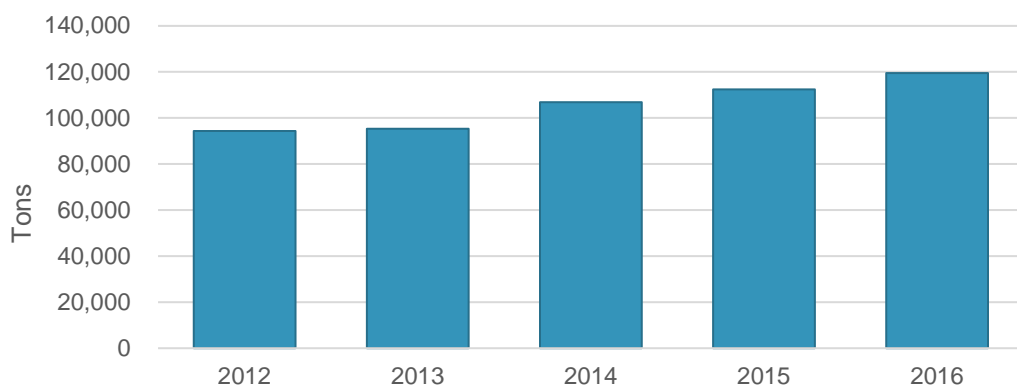
- None.

MC-16. Other Facilities

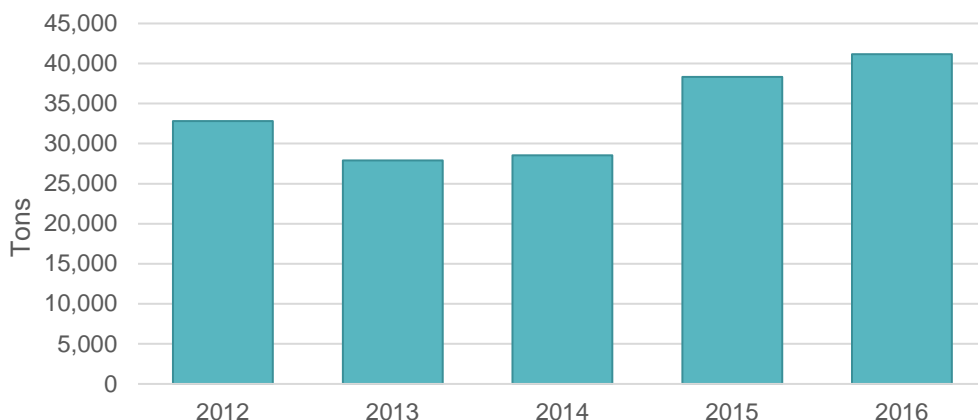
The District has historically listed facilities in the solid waste plan that support or are active in the management of solid waste in the District. All facilities that supported the District for recycling are included in Section III, Table III-5. Landfills and transfer stations are listed in Section III, Tables III-1 and III-3. Compost facilities are also listed in Section III, Table III-6.

H. Total Waste Generation: Historical Trends Plus Waste Reduction

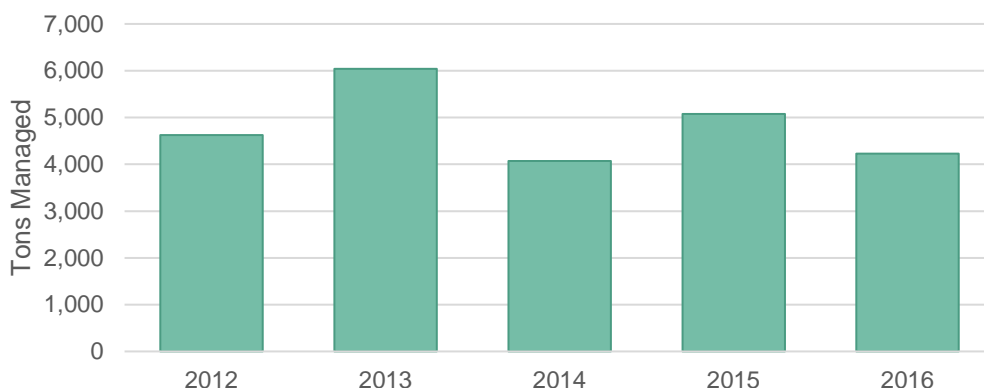
Table IV-7, "Total Waste Generation Based Upon Disposal Plus Waste Reduction", presents total waste generation based upon disposal plus waste reduction. In 2016, the District generated 119,549 tons of solid waste based on landfill disposal, transfer station disposal, incineration, yard waste composting and recycling. Historically, the District generated a low of approximately 94,367 in 2012. Waste generation has increased over the past five years as depicted by the following graph.

District Historical Total Generation

Landfilled waste tonnage has been rising from 2012 to 2016. Landfilled waste has ranged from a high of 41,155 in 2016 to a low of 27,886 in 2013. The following graph depicts the historical landfill totals from 2012 to 2016.

District Historical Landfill Disposal

Yard waste remained steady from 2006 to 2010. Yard waste has ranged from a low in 2014 of 4,069 tons to a high of 6,040 in 2013. The following graph depicts the historical yard waste totals from 2012 to 2016.

District Historical Yard Waste Management

Waste reduction has remained steady from 2012 – 2016. Waste reduction has ranged from a low in 2012 of 56,928 tons to a high of 74,313 in 2014. The following graph depicts the historical waste reduction totals from 2012 – 2016.

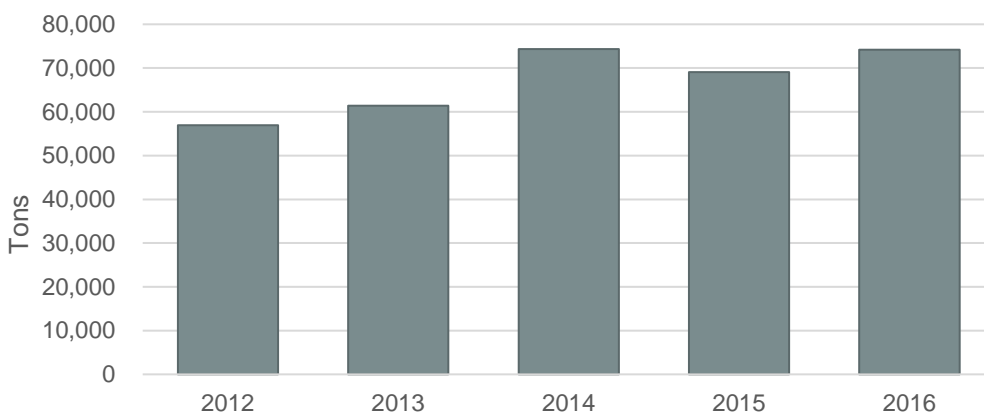
District Historical Waste Reduction**I. Reconciliation of Waste Generation (based on reported recycling and disposal)**

Table IV-8, “Adjusted Reference Year Total Waste Generation for the District”, presents adjusted reference year total waste generation for the District. This is based on actual reported recycling and disposal.

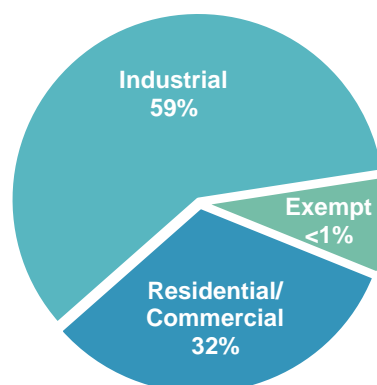
The District calculated waste generation using two methods. The first method outlined in Part E of this Section (see page IV-4) uses statewide generation estimates to determine industrial waste generation projections. Residential/commercial generation was determined based upon the rate of change in generation rate observed within the District during the past

several years. Finally, exempt waste was obtained from actual landfill and transfer station operating reports. Using this methodology, the District estimated 125,329 tons of solid waste generated in 2016. The resulting total generation rate was 16.75 pounds per person per day (Table IV-4).

The second method used to calculate solid waste generation is based on actual reported recycling and disposal in the District during the reference year (Table IV-8). For 2016, District residents, businesses, and industry generated 119,549 tons. The total generation rate was 15.98 pounds per person per day (Table IV-8), which includes recycling and waste disposal from all sectors. The residential/commercial sector generated 38,716 tons or 5.17 pounds per person per day which includes recycling and yard waste composting. Industrial waste was projected at 70,608 tons or approximately 9.44 pounds per person per day. Exempt waste for 2016 was 10,225 tons or 1.37 pounds per person per day.

The District selected the second method as the most accurate method of projecting waste generation because waste at the landfills and transfer stations is weighed. This method of collecting solid waste data has been fairly consistent for several years. The first method of projecting waste generation is based on surveys, projections, and secondary data sources, which are generally not as accurate as actually weighing the materials. The following figure depicts the reference year waste generation by sector based upon using the second method of waste generation estimation.

2016 Adjusted Waste Generation by Sector

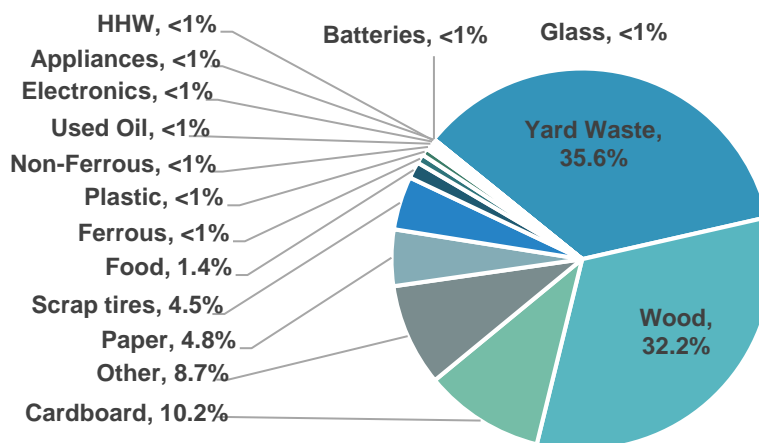


J. Waste Composition

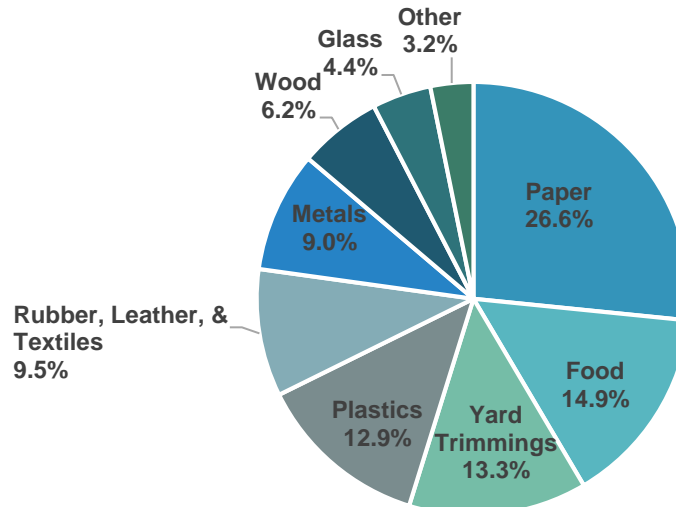
The District estimated the composition of the total residential/commercial waste stream in Table IV-9, "Estimated Residential/Commercial Waste Stream Composition for the District for the Reference Year", using the most recently available national averages from US EPA (2013). The averages represent the total tons of waste materials generated before recycling. The largest component of the residential/commercial waste

stream is projected to be yard waste at 35.6% (4,229 tons), followed by wood at 32.2% (3,844 tons), and cardboard at 10.2% (1,213 tons). The following figure presents the residential/commercial waste composition for the reference year.

2016 Residential/Commercial Waste Composition



2016 District Estimated Residential/Commercial Waste Stream Composition based on national averages from US EPA



Similar to the residential/commercial waste stream, the purpose for reviewing the industrial waste stream is to determine what types of materials comprise the largest volumes and then determine if the necessary programs are in-place to manage these materials.

Industrial waste composition was estimated based on the amount of industrial waste that was landfilled and recycled (Table IV-10). Information for recycling was obtained from industrial facilities responding to the survey effort. Non-hazardous waste, ash and sludge were

eliminated from the acceptable waste materials for recycling calculations only. All recycled materials are provided as actual totals. The remainder of material disposed in the landfill is categorized as general solid waste.

The largest component of the District's industrial solid waste stream was ferrous metals (41,535 tons). Non-Ferrous metal represented the next largest component of the industrial waste stream at 11,040 tons. The following figure presents the industrial waste composition for the reference year.

2016 Industrial Waste Composition

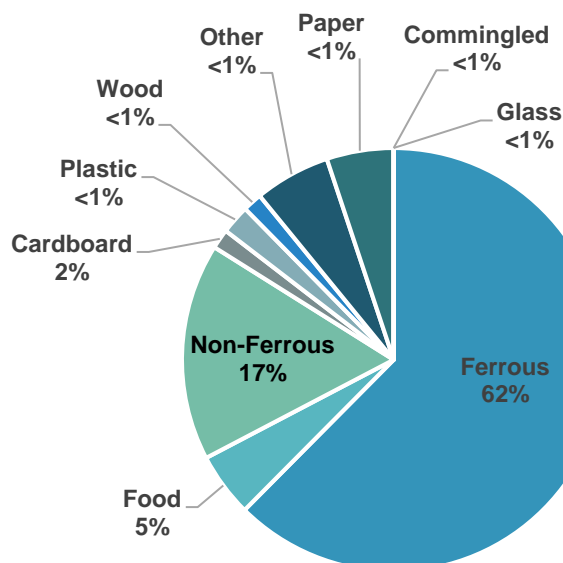


Table IV-1
Reference Year Population and Residential/Commercial Generation

County/Community Name	2016 Population		2016 Generation Rate (lbs/person/day)	2016 District Residential/Commercial Generation (Tons)
	Before Adjustment	After Adjustment		
Mercer County	40,909	40,909	5.17	38,716
Burkettsville village		91		
Total		41,000		

Source(s) of information:

Population - Ohio Development Services Agency Office of Research, "2016 Population Estimates by County, City, Village, and Township", May 2016;

Generation Rate - 2016 residential/commercial generation rate was calculated using the District's average change in per capita generation rate from 2011 through 2014 as reported on Ohio EPA's ADR Review Forms.

Adjustments:

Note: The Villages of Burkettsville had more than 50% of their population living inside Mercer County. Therefore, the portion of Burkettsville in Darke County was added to the District population.

Example calculations:

$$\begin{aligned} \text{Total Res/Com Generation} &= \frac{\text{Population} \times \text{Generation Rate (lbs/person/day)} \times 365 \text{ (days/year)}}{2,000 \text{ (lb/ton)}} \\ 38,716 \text{ tons} &= \frac{41,000 \times 5.17 \times 365}{2,000} \end{aligned}$$

Table IV-2
Industrial Waste Generation Survey Respondents vs. Unreported

Standard Industrial Classification (SIC) Code	Survey Respondents				Amounts Based Upon Secondary Data (Unreported)				Total Industrial Waste Generated
	# of Industries	# of Employees	Tons of Waste Generated	Generation Rate (T/employee)	# of Industries	# of Employees	Generation Rate (T/employee)	Tons of Waste Generated	
20	4	348	3,842	11.04	5	141	13.92	1,963	5,804
22	0	0	0	0.00	0	0	9.99	0	0
23	0	0	0	0.00	2	61	2.80	171	171
24	1	9	308	34.26	6	33	51.62	1,703	2,012
25	1	40	0	0.00	2	21	1.79	38	38
26	0	0	0	0.00	2	103	17.50	1,803	1,803
27	3	56	3,598	64.24	7	25	6.70	168	3,765
28	0	0	0	0.00	0	0	12.43	0	0
29	0	0	0	0.00	0	0	7.33	0	0
30	1	30	1,272	42.40	2	20	7.29	146	1,418
31	0	0	49	0.00	0	0	3.41	0	49
32	1	80	3,892	48.65	0	0	10.55	0	3,892
33	1	450	11,873	26.38	0	0	36.93	0	11,873
34	6	237	20,836	87.91	3	110	11.16	1,228	22,063
35	6	306	20,814	68.02	17	210	5.72	1,201	22,015
36	1	1	13	0.00	3	119	2.98	355	368
37	1	500	0	0.00	3	106	3.21	340	340
38	0	0	0	0.00	0	0	1.74	0	0
39	1	50	24	0.00	9	163	4.62	753	777
Total	27	2,107	66,520	31.57	61	1,112	N/A	9,867	76,388

Source(s) of information:

2016 District Industrial survey responses

Total number of industries and employees as obtained from the Reference USA online database.

Appendix JJ-2 from the Ohio EPA Plan Format 3.0 was used to calculate the unreported data for the Generation Rate (T/employee).

Example calculations (SIC 20):**Survey Respondents:**

$$\text{Generation Rate} = \frac{\text{Waste Generated}}{\text{\# of Employees}}$$

$$\frac{11.04}{\text{lbs/person/day}} = \frac{3,842 \text{ tons}}{348 \text{ employees}}$$

Non-Respondents:

$$\text{Generation Rate} \times \text{Number of Employees (Unreported)} = \text{Tons of Waste Generation}$$

$$13.92 \times 141 = 1,963 \text{ tons}$$

Table IV-3
Exempt Waste Generated in the District
and Disposed in Publicly Available Landfills

Type of Waste Stream	Generation Rate	Total Exempt Waste
	(lb/person/day)	Generation (TPY)
Construction/Demolition	1.37	10,225
Total	1.37	10,225

Source(s) of information: Table III-1

$$\text{Generation Rate (lbs/person/day)} = \frac{\text{Total Exempt Waste (tons/yr)} \times 2,000 \text{ (lb/ton)}}{\text{Population} \times 365 \text{ days/yr}}$$

Example calculation:

$$1.37 = \frac{10,225 \times 2,000}{41,000 \times 365}$$

Table IV-4
Reference Year Total Waste Generation for the District

Type of Waste	Generation Rate	Tons/Year
	(lbs/person/day)	
Residential/Commercial	5.17	38,716
Industrial	10.21	76,388
Exempt	1.37	10,225
Total Waste Generation	16.75	125,328

Source(s) of information:

Residential/Commercial - Table IV-1

Exempt - Table IV-3

Industrial - Table IV-2

Example calculation (Industrial):

$$\text{Generation Rate (lbs/person/day)} = \frac{\text{Total Industrial Waste (tons/yr)} \times 2,000 \text{ (lb/ton)}}{\text{Population} \times 365 \text{ days/yr}}$$

$$10.21 = \frac{76,388 \times 2,000}{41,000 \times 365}$$

Table IV-5
Reference Year Residential/Commercial Waste Reduction in the District

Type of Waste Source Reduced	TPY	Type of Waste Recycled	TPY	Incineration, Composting, Resource Recovery		
				Total Waste Received	Residual Landfilled	Net Waste Reduced
None	0	Cardboard	1,213.39	Incineration*	Ash	Net Incineration*
		Paper	567.91	0	0	0
		Scrap tires	538.08	Composting	Residuals	Net Compost
		Glass	2.42	4,229.46	0	4,229
		Wood	3,844.06	Resource Recovery	Ash	Net Resource
		Plastic	73.65	0	0	0
		Food	167.01			
		Other	1,030.84			
		Ferrous	91.73			
		Appliances	5.50			
		Non-Ferrous	41.18			
		HHW	14.32			
		Used Oil	38.70			
		Electronics	15.44			
		Batteries	0.23			
Subtotal	0		7,644	4,229	0	4,229
Grand Total						11,874

Source(s) of information:

2016 District Annual Report and Residential/Commercial Surveys

Table IV-6
Reference Year Industrial Waste Reduction in the District

Source Reduction	TPY	Type of Waste Recycled	TPY	Incineration, Composting, Resource Recovery		
				Total Waste Received	Residual Landfilled	Net Waste Processed
None	0	Ferrous	41,535	Incineration*	Ash	Net Incineration
		Food	3,250	0	0	0
		Non-Ferrous	11,040	Resource	Ash	Net Resource
		Cardboard	1,001	0	0	0
		Plastic	1,468	Composting	Residuals	Net Composted
		Wood	972	0	0	0
		Other	3,853			
		Paper	3,400			
		Commingled	0			
		Glass	0.25			
Subtotal	0		66,520	0	0	0
Grand Total						66,520

Source(s) of information:

2016 District Annual Report and Industrial Surveys

Table IV-7
Total Waste Generation Based Upon Disposal Plus Waste Reduction

Year	Management Method Used (TPY)								Total Waste Generation
	Source Reduction & Recycling			Yard Waste Composting	Landfill Disposal				
	Res/Com	Industrial	Total		Res/Com	Industrial	Exempt	Total	
2012	7,514	49,414	56,928	4,624	23,801	3,806	5,209	32,816	94,367
2013	8,042	53,346	61,388	6,040	20,969	6,598	319	27,886	95,313
2014	9,447	64,866	74,313	4,069	25,648	1,541	1,355	28,544	106,926
2015	8,333	60,719	69,052	5,076	26,474	1,895	9,948	38,317	112,445
2016	7,644	66,520	74,165	4,229	26,842	4,087	10,225	41,154	119,548

Source(s) of information:

District Annual Reports and Ohio EPA Facility Data Reports.

Sample calculation (2016):

Total waste generation = Total source reduction & recycling + yard waste composting + total landfill disposal

119,548 tons = 74,165 tons + 4,229 tons + 41,154 tons

Table IV-8
Adjusted Reference Year Total Waste Generation for the District

Type of Waste	Generation Rate (lbs/person/day)	Tons/Year
Residential/ Commercial	5.17	38,716
Industrial	9.44	70,608
Exempt	1.37	10,225
Total Waste Generation	15.98	119,548

Source(s) of information:

Exempt -Table IV-3

Residential/Commercial and Industrial - Tables III-1, IV-5 and Table IV-6

Example Calculation:

$$\text{Generation Rate (lbs/person/day)} = \frac{\text{Total Waste (tons/yr)} \times 2,000 \text{ (lb/ton)}}{\text{Population} \times 365 \text{ days/yr}}$$

$$15.98 = \frac{119,548 \times 2,000}{41,000 \times 365}$$

Table IV-9
Estimated Residential/Commercial Waste Stream
Composition for the District for the Reference Year

Waste Stream Type	Percentage of the Waste Stream	Tons
Paper	26.6%	10,299
Food	14.9%	5,769
Yard Trimmings	13.3%	5,149
Plastics	12.9%	4,994
Rubber, Leather, & Textiles	9.5%	3,678
Metals	9.0%	3,485
Wood	6.2%	2,400
Glass	4.4%	1,704
Other	3.2%	1,239
Totals	100.0%	38,716

Source(s) of information:

Total tons - Table IV-8

Total MSW Generation (by material) from US EPA Municipal Solid Waste Generation, Total MSW Generation (by material) 2014 (before recycling)

Table IV-10
Estimated Industrial Waste Composition for the Reference Year in the District

Waste Stream Type	TPY	Waste Stream Type	TPY	Waste Stream Type	TPY
Cardboard	1,063	Paper	3,609	Misc.	4,090
Ferrous Metals	44,087	Plastic	1,559	Batteries	0.61
Wood	1,032	Commingled	0	Non-Ferrous Metals	11,718
Food	3,450	Glass	0.27		
Subtotal	49,631	Subtotal	5,168	Subtotal	15,808.19
Grand Total					70,608

Source(s) of information:

Tons generated - Appendix F

Each industrial waste component was projected using the adjustment factor to account for non-respondent industries.

Example Calculation:

$$\text{Adjustment Factor} = \frac{\text{Total Industrial Waste Generated (Table IV-8)}}{\text{Total Industrial Waste Generated (Table IV-2 - Survey)}}$$

$$\text{Adjustment Factor} = 1.0614 = 70,608 \text{ tons} \div 66,520 \text{ tons}$$

$$\begin{aligned} &\text{Type of Industrial} \\ &\text{Waste Generated} \quad \text{Type of Industrial Waste Generated (Appendix F) x Adjustment Factor} \\ &(\text{tons}) = \end{aligned}$$

$$1,063 \text{ (tons of cardboard)} = 1,001.15 \text{ (tons of cardboard from Appendix F)} \times 1.061$$

V. Planning Period Projections and Strategies **[ORC Section 3734.53(A)(5)-(6)]**

A. Planning Period

The District has chosen a planning period that coincides with the projected year the plan will be approved by Ohio EPA. This *Plan Update* is scheduled to be completed, ratified and approved by Ohio EPA in October of 2019. Based on this information, the planning period for the *Plan Update* will be January 1, 2020 – December 31, 2034.

B. Population Projections

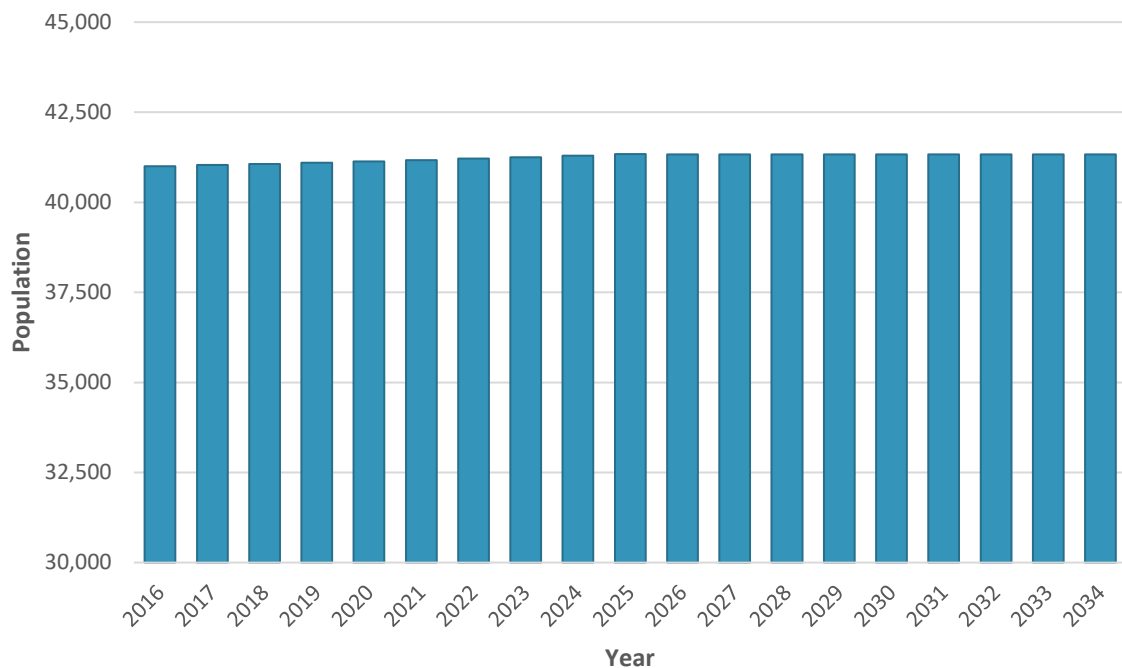
The District's population projections are presented in Table V-1, "District Population Projections". The population estimate from Section IV (based on the 2010 US Census) for the 2016 reference year was 40,909. The following adjustments were made to the total listed above:

- The Village of Burkettsville had more than 50% of the population living inside Mercer County and less than 50% living inside Darke County. The population of this community in Darke County (91) was added to the District population total.

The adjusted population estimate for the 2016 reference year was 41,000. The District anticipates population will increase, on average, 0.04% annually from 2016 through 2034, the final year of the planning period. The population projections for future years were estimated using population projections provided by the Ohio Department of Development Office of Strategic Research *2013 Ohio County Profiles* from the years 2010 – 2040 for the District and Darke County that contain a portion of the Village of Burkettsville.

The District is projected to start the planning period in 2020 with a population of 41,132 and end in 2034 with a total population of 41,328. This is a population increase of 0.79% for the planning period (2020 – 2034) or 0.04% annually.

The following graph depicts the estimated total District population throughout the planning period.

2016 – 2034 District Population**C. Waste Generation Projections****1. Residential/Commercial Sector**

The District's residential/commercial waste generation projections are presented in Table V-2, "District Residential/Commercial Waste Generation (TPY)." Waste generation is presented for the 2015 reference year and each subsequent year through 2034. In 2015, the District calculated the per capita generation rate based on Ohio EPA's Facility Data Reports for disposal and from the District's 2015 Annual District Report for recycling (with adjustments). The following data was used for this calculation:

2016 Disposal Tonnage: 26,842

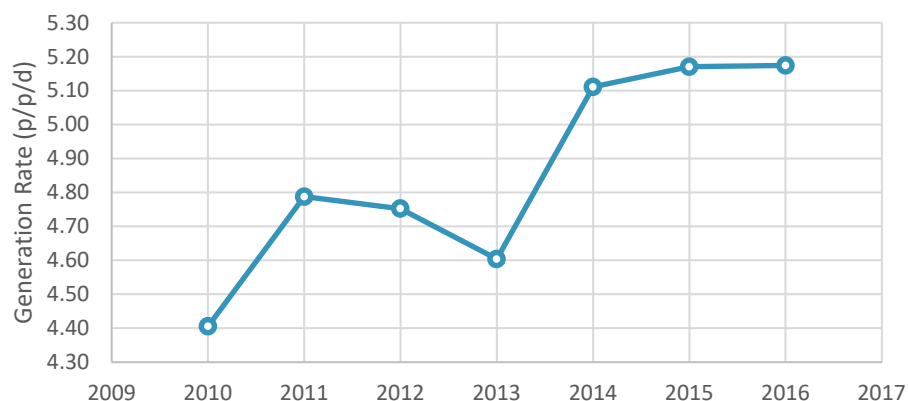
2016 Recycling Tonnage: 11,874

2016 Total generation: 38,716

2016 Residential/Commercial
Per Capita Generation Rate: 5.17

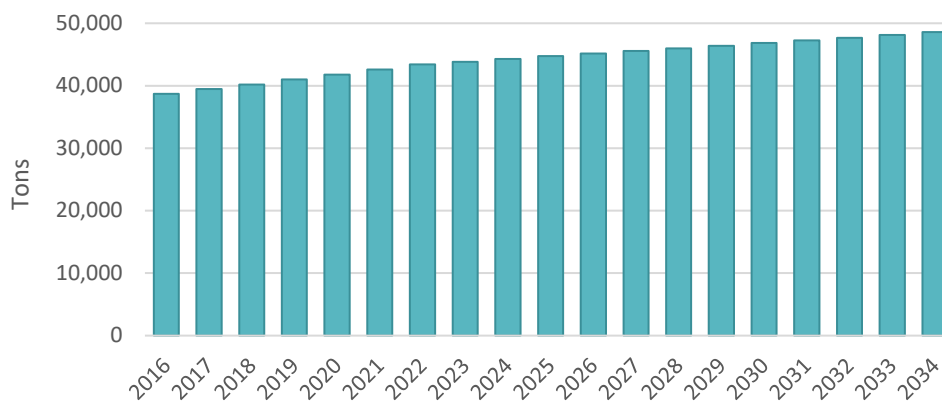
Historic generation rates among the residential/commercial sector has increased over the five years; rates decreased from 2011 to 2013; in 2016, the residential/commercial sector generated 38,716 tons, a 4.5% increase from the previous year (see following figure).

2010 – 2016 District Residential/Commercial Per Capita Daily Generation Rates



Generation rates are projected to increase to 6.18 pounds per person per day (PPD) by the end of the planning period in 2034, which is based on the District's average residential/commercial sector generation rate of change from 2012 to 2015 then cut in half to stay conservative. Generation rate for intermediate years (2016-2034) were interpolated using a straight-line average. The following figure presents the estimated residential/commercial waste generation throughout the planning period.

2016 – 2034 Residential/Commercial Waste Generation



2. Industrial Sector

The District's industrial waste generation projections are presented in Table V-3, "Projected Industrial Waste Generation". Industrial waste generation is presented by Standard Industrial Classification (SIC) code for the 2016 reference year and each year of the planning period through 2034. A description of each SIC code and

the expected employment change throughout the planning period is presented in Table V-3A.

The results of the industrial waste generation survey are presented in Table IV-2; however, the adjusted industrial waste generation figure in Table IV-8 is used for future projections. For 2016, the industrial waste generated for each SIC code is calculated based on the survey results and the total industrial waste generation. See Table V-3 for an example calculation.

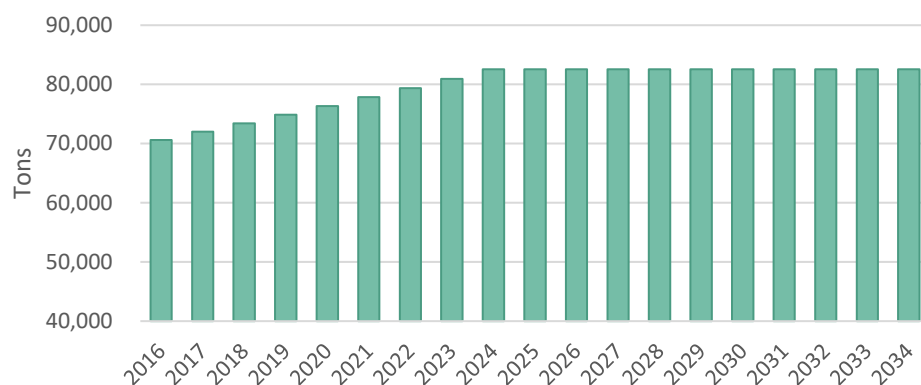
Industrial waste generation is projected for SIC codes 20 and 22-39. The classifications are summarized in Table V-3A, "Standard Industrial Classifications". Table V-3 presents the average annual change in employment for each SIC code. Industrial waste generation projections are based on industrial tonnage past five years (2011-2015). The average increase has been 7.89% each year. Due to the inconsistent increases, the District chose to use a quarter of the average increase (1.97%) to project each year of the planning period.

The District projects an overall industrial waste increase of 16.91% from 70,607 tons in the reference year to 82,546 tons in 2034, the final year of the planning period.

The District did not classify materials from train boxcars, metals from demolition activities and ferrous metals resulting from salvage operations conducted by licensed motor vehicle salvage dealers. The ferrous metals that were included in the industrial waste stream were recorded from industrial survey results.

The following graph depicts the estimated industrial waste generation throughout the planning period.

2016 – 2034 District Industrial Waste Generation



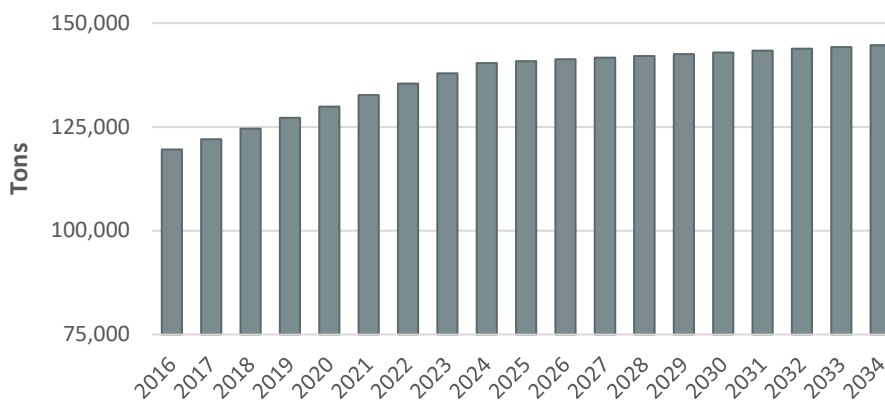
3. **Total Waste Generation**

Total waste generation projections for the District during the planning period are presented in Table V-4, "Total Waste Generation for the District during the Planning Period (in TPY)". The total waste generation estimate for the 2016 reference year was 119,549 tons. This includes residential/commercial waste (38,716 tons), industrial waste (70,608 tons), and exempt waste (10,225 tons).

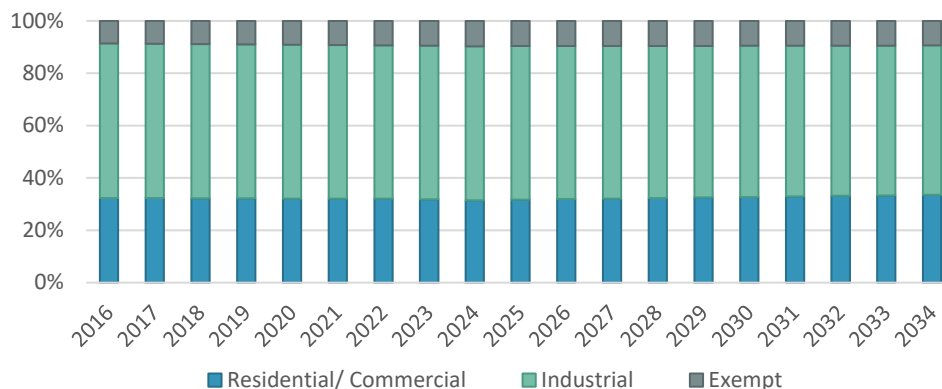
Exempt waste is projected to increase 3.6% annually. The generation rate in pounds per person per day for the reference year was 15.98 and 19.18 in 2034, the final year of the planning period. Total waste generation is projected to increase 14,797 tons over the fifteen-year planning period (2020 – 2034) from 119,549 to 144,697 tons in 2034, an 11% change. This change is primarily from the increase in projected residential/commercial and industrial waste generation.

The following graph depicts the total waste generation from the reference year (2016) to the final year in the planning period (2034).

2016 – 2034 Total District Waste Generation



The following graph depicts the waste generation per sector as a percentage of the total waste generation.

District Total Waste Generation from 2016 – 2034**D. Projections for Waste Stream Composition**

The District does not anticipate any major changes in the composition of the waste stream during the planning period. However, a change in economic conditions, or the closure/opening of an industrial facility could greatly impact the industrial, as well as residential/commercial projections. Current projections indicate the District's residential/commercial and industrial solid waste stream will remain stable over the fifteen-year planning period.

The District's periodic survey of industries should alert the District to any major changes in the industrial sector. The District will report any significant changes in waste stream composition in the Annual Report.

E. Waste Reduction and Recycling Strategies through the Planning Period

The District must continue to develop recycling and waste reduction strategies to meet the goals established in the *1995 State Plan*. The goals include:

- Goal #1** Ensure the availability of reduction and recycling opportunities/programs for residential/commercial waste.
- Goal #2** Reduce and/or recycle at least 25% of the residential/commercial waste generated and 50% of the industrial waste generated.
- Goal #3** Provide informational and technical assistance on source reduction.
- Goal #4** Provide informational and technical assistance on recycling, reuse and composting opportunities.

Goal #5 Develop strategies managing scrap tires and household hazardous waste (HHW).

Goal #6 Annual reporting of Plan implementation.

Goal #7 Prepare a market development strategy (optional).

The following table summarizes all of the District strategies for meeting the 1995 State Plan Goals:

Program	Program #	1995 State Plan Goals						
		#1	#2	#3	#4	#5	#6	#7
Curbside Recycling	MC-1	✓	✓					
Drop-Off Recycling	MC-2	✓	✓					
Yard Waste Management	MC-3		✓					
Household Hazardous Waste Management	MC-4		✓			✓		
Lead Acid Battery Management	MC-5		✓			✓		
Use Oil Management	MC-6		✓			✓		
Scrap Tire Management	MC-7		✓			✓		
Electronics Management	MC-8		✓					
Appliance Collection	MC-9		✓					
County Office Recycling	MC-10		✓					
Litter Collection	MC-11							
Market Development Support	MC-12							✓
Education and Awareness	MC-13			✓	✓			
Plan Implementation, Preparation and Monitoring	MC-14						✓	
Health Department Funding	MC-15							
Other Facilities	MC-16		✓					✓
Number of Strategies Per Goal		2	11	1	1	4	1	2

Residential/Commercial Waste Reduction/Recycling and Education Strategies

The District's residential/commercial waste reduction strategies are presented in Table V-5, "Residential/Commercial Waste Reduction Strategies". All programs are projected to increase 0.8%, the same rate as the increase in population.

The District plans to increase residential/commercial recycling from 11,874 tons in 2016 to 11,968 tons by 2034.

RESIDENTIAL/COMMERCIAL RECYCLING AND COLLECTION PROGRAMS

The District's primary strategy for this *Plan Update* is to continue with the successful core programs detailed in Section IV with a few exceptions and modifications. The District is committed to implementing these programs and to continue their success throughout the planning period.

It must also be understood that the District operates with minimal staffing and funding to implement its solid waste plan. The Policy Committee has determined that, based on the good recycling performance of the residential/commercial and industrial sectors and the District's existing programs, additional major initiatives or increasing fees to create more initiatives and programs was not needed. Therefore, this *Plan Update* and the associated documents created were developed in a cost-effective manner with minimal changes to core programs and initiatives. The District and Policy Committee spent most of the planning for this *Plan Update* on determining what funding mechanism would be used to operate the District since the Celina Landfill is closing in 2019.

The following section details the specific initiatives, by program that will be implemented during the planning period. In addition, the District evaluated each of the programs in Section IV for their strengths and challenges. The results of this analysis assisted the District with the improvements of the programs contained in this section.

Unless a program is new, or a change is being initiated, this section does not provide the details of how each program operates, as that information is contained in Section IV.

MC-1 – Curbside Recycling (State Plan Goal #2)

This program will continue during the planning period (see description in Section IV). The District will continue to work with political subdivisions in the County to promote and support curbside recycling. The District's main objective with this program is to increase the availability of curbside recycling in the County as well as to improve participation. The District's overall goal for the planning period is to maintain all existing curbside programs, enhance or upgrade them if possible, add new programs and increase participation.

The following initiatives, which are detailed in Section IV will continue to be implemented or offered throughout the planning period:

- Maintaining curbside recycling programs

- Curbside recycling expansion in townships
- Curbside recycling cooperatives
- Curbside recycling expansion issues
- Curbside recycling bid specification development

MC-2 – Drop-off Recycling Program

(State Plan Goals #1 and #2)

This program will continue during the planning period (see description in Section IV). The District's main objective with this program is to increase the participation at the recycling drop-off locations. The District's overall goal for the planning period is to maintain all existing drop-off programs, enhance or upgrade them if possible and increase participation.

The following initiatives, which are detailed in Section IV will continue to be implemented or offered throughout the planning period:

- Program operation assessment

MC-3 – Yard Waste Management Program

(State Plan Goal #2)

This program will continue during the planning period (see description in Section IV).

MC-4 – Household Hazardous Waste (HHW) Collection Program

(State Plan Goals #2 and #5)

This program will continue during the planning period (see description in Section IV). The District's main objective with this program is to continue to offer free annual collection of HHW. The District reserves the right to conduct collections every other year depending on finances. The District would still also like to combine the HHW collection event with the appliance collection. The following additional initiatives, which are detailed in Section IV will continue to be implemented or offered throughout the planning period:

- User fee evaluation
- Alternative HHW management options

The District reserves the right to implement alternative HHW management options throughout the planning period as well as to implement a user fee system if determined by the Board to be in the best interest of the District.

In addition, the District would like to offer businesses specific HHW and appliance collection services in the planning period:

MC-4.1: Business Participation

The District would also like to include businesses in the HHW collection event and appliance collection where applicable and if funds are available. The District cannot accept regulated hazardous waste from businesses. Materials that could be accepted from businesses which are not regulated as hazardous waste.

MC-5 – Lead Acid Battery Management

(State Plan Goals #2 and #5)

This program will continue during the planning period (see description in Section IV).

MC-6 – Used Oil Management

(State Plan Goals #2 and #5)

This program will continue during the planning period (see description in Section IV).

In addition, the District would like to offer businesses specific used oil collection services in the planning period:

MC-6.1: Business Participation

The District would also like to include businesses in the HHW collection event where applicable and if funds are available. The District cannot accept regulated hazardous waste from businesses. such .Materials that could be accepted from businesses include used oil (non-PCB contaminated and hazardous waste regulated).

MC-7 – Scrap Tire Management

(State Plan Goals #2 and #5)

This program will continue during the planning period (see description in Section IV). The District is planning on annual collection events but reserves the right to conduct bi-annual collections or eliminate collections if funding is not available.

MC-8 – Electronics Management

(State Plan Goals #2 and #5)

This program will continue during the planning period (see description in Section IV).

MC-9 – Appliance Management

(State Plan Goals #2 and #5)

This program will continue during the planning period (see description in Section IV).

In addition, the District would like to offer businesses specific appliance collection services in the planning period:

MC-9.1: Business Participation

The District would also like to include businesses in the HHW collection event where applicable and if funds are available. The District cannot accept regulated hazardous waste from businesses. Materials that could be accepted from businesses include non-Freon based appliances.

MC-10 – County Office Recycling

(State Plan Goal #2)

This program will continue during the planning period (see description in Section IV).

MC-11 – Litter Collection

This program will continue during the planning period (see description in Section IV).

The District reserves the right to suspend funding for this program at any point in the planning period for any reason as determined by the Board of County Commissioners.

MARKET DEVELOPMENT PROGRAMS

MC-12 – Market Development Support

(State Plan Goal #2)

This program will continue during the planning period (see description in Section IV).

RESIDENTIAL/COMMERCIAL AND INDUSTRIAL SECTOR EDUCATION AND AWARENESS PROGRAMS

MC-13 – Education and Awareness Program

(State Plan Goals #3 and #4)

This program will continue during the planning period (see description in Section IV).

The District reserves the right to conduct different program promotions and initiatives than those listed in Section IV based on current events, programs and policies of the District in the new planning period.

MC-13.1: Industrial Sector Recycling

The District's industrial waste reduction strategies are presented in Table V-6, "Industrial Waste Reduction Strategies". The District projects a decrease in industrial recycling from 66,520 tons in 2016, the reference year, to 77,768 tons by 2024 and kept a conservative flatline for the remaining years of the planning period.

OTHER PROGRAMS

MC-14 – Plan Implementation, Preparation and Monitoring

This program will continue during the planning period (see description in Section IV).

MC-15 – Health Department Funding

This program will continue during the planning period (see description in Section IV).

The District reserves the right to suspend funding for this program at any point in the planning period for any reason as determined by the Board of County Commissioners.

MC-16 – Other Facilities

(State Plan Goal #2)

This program will continue during the planning period (see description in Section IV).

**Table V-1
District Population Projections**

Year	Mercer County Population	Population	Total District Population
		Burkettsville village	
2016	40,909	91	41,000
2017	40,942	91	41,033
2018	40,975	91	41,065
2019	41,007	91	41,098
2020	41,040	92	41,132
2021	41,080	92	41,172
2022	41,120	92	41,212
2023	41,160	92	41,252
2024	41,200	92	41,292
2025	41,240	95	41,335
2026	41,238	95	41,333
2027	41,236	95	41,331
2028	41,234	95	41,329
2029	41,232	95	41,327
2030	41,230	98	41,328
2031	41,230	98	41,328
2032	41,230	98	41,328
2033	41,230	98	41,328
2034	41,230	98	41,328

Source(s) of information:

Population - Ohio Development Services Agency Office of Research, "2016 Population Estimates by County, City, Village, and Township", May 2016.

Population projections 2000-2040 - Ohio Development Services Agency, Ohio County Profiles.

Sample calculation (2016):

2016 Total District Population (41000) = Mercer County
Population (40909) + Population Adjustments: Burkettsville
village(91)

41,000 residents = 40,909 residents + 91 residents

Table V-2
District Residential/Commercial Waste Generation (TPY)

Year	District Population	Per Capita Generation Rate	Total Residential/Commercial Waste Generation (TPY)
2016	41,000	5.17	38,716
2017	41,033	5.23	39,132
2018	41,065	5.28	39,553
2019	41,098	5.33	39,978
2020	41,132	5.38	40,409
2021	41,172	5.44	40,851
2022	41,212	5.49	41,297
2023	41,252	5.55	41,748
2024	41,292	5.60	42,205
2025	41,335	5.66	42,669
2026	41,333	5.71	43,091
2027	41,331	5.77	43,518
2028	41,329	5.83	43,949
2029	41,327	5.88	44,384
2030	41,328	5.94	44,826
2031	41,328	6.00	45,272
2032	41,328	6.06	45,723
2033	41,328	6.12	46,178
2034	41,328	6.18	46,637

Source(s) of information:

District Population - Table V-1

2016 Per Capita Generation Rate - Table IV-8

2016 Per Capita Generation Rate - 2016 Facility Data Report and Annual District Report
 Per Capita Generation Rate projected to increase throughout the planning period using a linear projection, ending in 2034 with a per capita generation rate equal to the 2011-2015 average.

Sample calculation (2016):

District population x per capita generation rate (lb/person/day) x 365 days/year x 1 ton/2,000 lbs = Total Residential/Commercial Generation (tons)

41,000 residents x 5.17 ppd x 365 days ÷ 2,000 pounds/ton = 38,716 tons

Table V-3
Projected Industrial Waste Generation

SIC	Year																			
	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	
Code	20	2,657	2,709	2,762	2,817	2,872	2,872	2,929	2,987	3,046	3,106	3,106	3,106	3,106	3,106	3,106	3,106	3,106	3,106	
	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	23	174	178	181	185	189	192	192	196	200	204	204	204	204	204	204	204	204	204	
	24	1,955	1,994	2,033	2,073	2,114	2,114	2,156	2,198	2,241	2,286	2,286	2,286	2,286	2,286	2,286	2,286	2,286	2,286	
	25	139	141	144	147	150	150	153	156	159	162	162	162	162	162	162	162	162	162	
	26	1,841	1,877	1,915	1,952	1,991	1,991	2,030	2,070	2,111	2,152	2,152	2,152	2,152	2,152	2,152	2,152	2,152	2,152	
	27	336	343	350	357	364	364	371	378	386	393	393	393	393	393	393	393	393	393	
	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	30	1,448	1,477	1,506	1,536	1,566	1,566	1,597	1,628	1,660	1,693	1,693	1,693	1,693	1,693	1,693	1,693	1,693	1,693	
	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	32	3,968	4,047	4,126	4,208	4,291	4,291	4,375	4,462	4,550	4,639	4,639	4,639	4,639	4,639	4,639	4,639	4,639	4,639	
	33	842	859	875	893	910	910	928	947	965	984	984	984	984	984	984	984	984	984	
	34	21,652	22,079	22,514	22,958	23,411	23,411	23,872	24,343	24,823	25,313	25,313	25,313	25,313	25,313	25,313	25,313	25,313	25,313	
	35	23,036	23,490	23,954	24,426	24,908	24,908	25,399	25,900	26,410	26,931	26,931	26,931	26,931	26,931	26,931	26,931	26,931	26,931	
	36	371	378	386	393	401	401	409	417	425	433	433	433	433	433	433	433	433	433	
	37	11,374	11,598	11,827	12,060	12,298	12,298	12,541	12,788	13,040	13,297	13,297	13,297	13,297	13,297	13,297	13,297	13,297	13,297	
	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	39	814	830	847	864	881	881	898	916	934	952	952	952	952	952	952	952	952	952	
Totals	70,608	72,000	73,420	74,867	76,344	77,849	79,384	80,950	82,546	82,546	82,546	82,546	82,546	82,546	82,546	82,546	82,546	82,546	82,546	

Source(s) of information:

2016 Generation by SIC Code - Table IV-2 (adjusted to correspond to total industrial waste on Table IV-8)

Sample calculation (2016):

SIC Code 20: 2016 Generation = (20 SIC 20 generation ÷ 20 total generation) x 20 total generation
 2,709 tons = (2,657 tons ÷ 70,608 tons) x 72,000 tons

Table V-4
Total Waste Generation for the District During the Planning Period

Year	Residential/ Commercial	Industrial	Exempt	Total Waste	Generation Rate (lbs/person/day)
2016	38,716	70,608	10,225	119,548	15.98
2017	39,132	72,000	10,594	121,726	16.26
2018	39,553	73,420	10,977	123,949	16.54
2019	39,978	74,867	11,373	126,219	16.83
2020	40,409	76,344	11,784	128,537	17.12
2021	40,851	77,849	12,209	130,909	17.42
2022	41,297	79,384	12,650	133,332	17.73
2023	41,748	80,950	13,107	135,805	18.04
2024	42,205	82,546	13,580	138,331	18.36
2025	42,669	82,546	13,580	138,795	18.40
2026	43,091	82,546	13,580	139,218	18.46
2027	43,518	82,546	13,580	139,644	18.51
2028	43,949	82,546	13,580	140,075	18.57
2029	44,384	82,546	13,580	140,510	18.63
2030	44,826	82,546	13,580	140,953	18.69
2031	45,272	82,546	13,580	141,399	18.75
2032	45,723	82,546	13,580	141,849	18.81
2033	46,178	82,546	13,580	142,304	18.87
2034	46,637	82,546	13,580	142,763	18.93

Source(s) of information:

Residential/Commercial Table V-2

Industrial Table V-3

Sample calculation (2016):

Total Waste = Residential/Commercial + Industrial + Exempt

119,548 tons = 38,716 tons + 70,608 tons + 10,225 tons

$$\text{Generation Rate (lb/person/day)} = \frac{\text{Total Waste Generated (tons)} \times 2,000 \text{ pounds/ton}}{\text{Population} \times 365 \text{ days/year}}$$

$$15.98 = \frac{119,548.28 \text{ tons} \times 2,000}{41,000 \times 365}$$

Table V-5
Residential/Commercial Waste Reduction Strategies

Strategy	Program #	Type of Material Reduced or Recycled	Tons of Waste Reduction																		
			Residential/Commercial Recycling and Collection Programs																		
			2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Curbside Recycling	MC-1	MxP, PL, OCC, Pbd, AC, SC, GL, AsC	2,423	2,425	2,427	2,429	2,431	2,433	2,436	2,438	2,440	2,443	2,443	2,443	2,442	2,442	2,442	2,442	2,442	2,442	2,442
	MC-2	MxP, PL, OCC, Pbd, AC, SC, GL, AsC	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
Yard Waste Management	MC-3	YW	4,229	4,233	4,236	4,240	4,243	4,247	4,251	4,255	4,260	4,264	4,264	4,264	4,263	4,263	4,263	4,263	4,263	4,263	4,263
Household Hazardous Waste Management	MC-4	HHW, UO	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Lead Acid Battery Management	MC-5	EW	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Use Oil Management	MC-6	LAB	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scrap Tire Management	MC-7	ST	133	133	133	133	133	133	133	133	134	134	134	134	134	134	134	134	134	134	134
Electronics Management	MC-8	WG, OM	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
Appliance Collection	MC-9	MxP, PL, OCC, Pbd, AC, SC, GL, AsC	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
County Office Recycling	MC-10	MxP, PL, OCC, Pbd, AC, SC, GL, AsC	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Hauler/Kroger/Walmart Food Waste Recycling	N/A	FW	120	120	120	120	120	120	121	121	121	121	121	121	121	121	121	121	121	121	121
Other Yard Waste Composting (Private Facilities)	N/A	YW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Scrap Tire Recycling (Private Facilities)	N/A	ST	355	356	356	356	356	357	357	357	358	358	358	358	358	358	358	358	358	358	358
Recycling from Non-District Programs	N/A	Varies	4,505	4,508	4,512	4,516	4,519	4,524	4,528	4,533	4,537	4,542	4,541	4,541	4,541	4,541	4,541	4,541	4,541	4,541	4,540
Total			11,874	11,883	11,893	11,902	11,912	11,924	11,935	11,947	11,958	11,971	11,970	11,969	11,969	11,969	11,969	11,969	11,969	11,968	11,968

AC = aluminum containers, GL = glass, PL = plastic, OCC = corrugated cardboard, SC = steel containers, Pbd = paperboard, MxP = mixed paper, AsC = aseptic containers, YW = yard waste, HHW = hazardous household waste, UO = used oil, EW = electronic waste, LAB = lead-acid batteries, ST = scrap tires, FW = food waste, n/a = not applicable

Table V-6
Industrial Waste Reduction Strategies

Strategy	Program #	Type of Material Reduced/Recycled	Tons of Source Reduction/Recycling																	
			2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Industrial Sector Technical Assistance and Education Programs: Recycling																				
Industrial Recycling	N/A	AL, FM, NFM, PL, OCC, W, MxP, OTH	66,520	67,832	69,169	70,533	71,924	73,343	74,789	76,264	77,768	77,768	77,768	77,768	77,768	77,768	77,768	77,768	77,768	77,768
		Total	66,520	67,832	69,169	70,533	71,924	73,343	74,789	76,264	77,768	77,768	77,768	77,768	77,768	77,768	77,768	77,768	77,768	77,768

AL = aluminum; FM = ferrous metals; NFM = non-ferrous metals; PL = plastic; OCC = corrugated cardboard; MxP = mixed paper, W = wood, OTH = other

Source(s) of information:

2016 tons - Table IV-6

VI. Methods of Management: Facilities and Programs to be Used [ORC Section 3734.53(A)(7)-(12)]

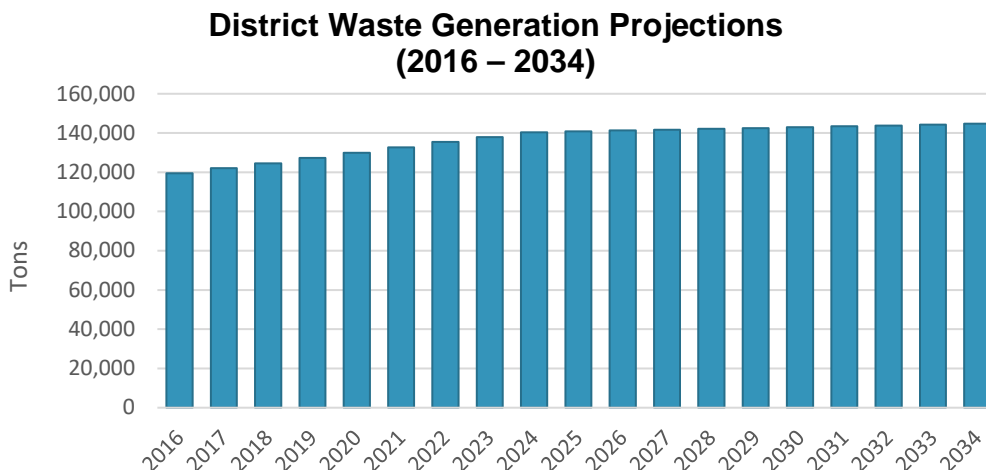
A. District Methods for Management of Solid Waste

1. Waste Management Methods for All Sectors

Table VI-1 presents the waste management methods used and capacity needed for each year of the planning period. This includes waste generation, waste reduction, transferred waste, composting and landfill disposal.

Waste Generation

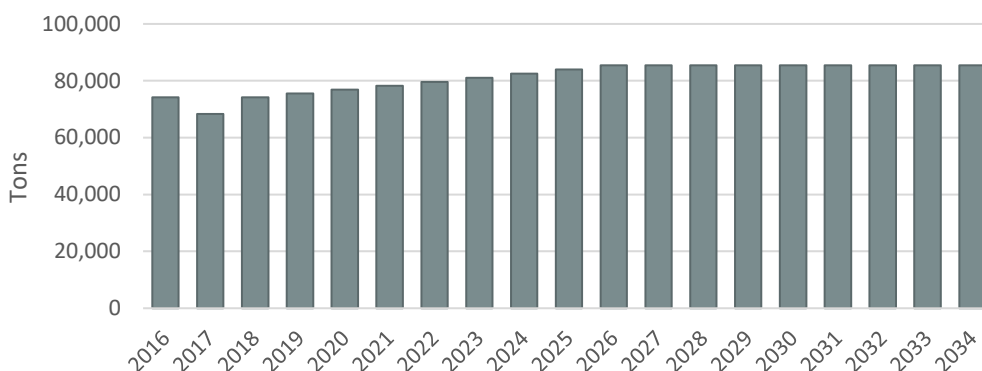
The total waste generated by the District in 2016 was calculated to be 119,549 tons. Waste generation includes waste reduction tons plus disposal tons. The District projects 129,900 tons of solid waste will be generated in 2020, the first year of the planning period, and by the end of the planning period in 2034, the District will generate 144,697 tons. The following graph shows the projected total net tons to be managed by the District throughout the planning period.



Waste Reduction

The total waste reduction by the District in 2016 was calculated to be 74,165 tons. Waste reduction includes recycling and source reduction. The District projects waste reduction will increase from 76,839 tons in 2020 to 85,472 tons by 2034, a 15.2% increase over the planning period. The following graph shows the projected total waste reduction throughout the planning period.

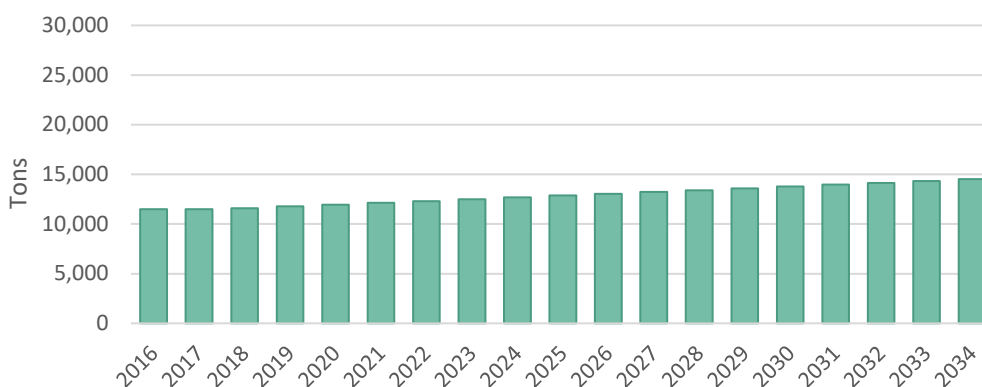
District Waste Reduction Projections (2016 – 2034)



Transferred Waste

The total waste transferred by the District in 2016 was calculated to be 11,488 tons. Transferred waste includes all solid waste that first went to a licensed transfer station. The District projects 11,946 tons of solid waste will be transferred in 2020, the first year of the planning period, and by the end of the planning period in 2034, the District will transfer 14,533 tons. The projected increase in tonnage is based on the projected population increase of 21.9%. The following graph shows the projected transferred waste by the District throughout the planning period.

District Waste Transferred Projections (2016 – 2034)

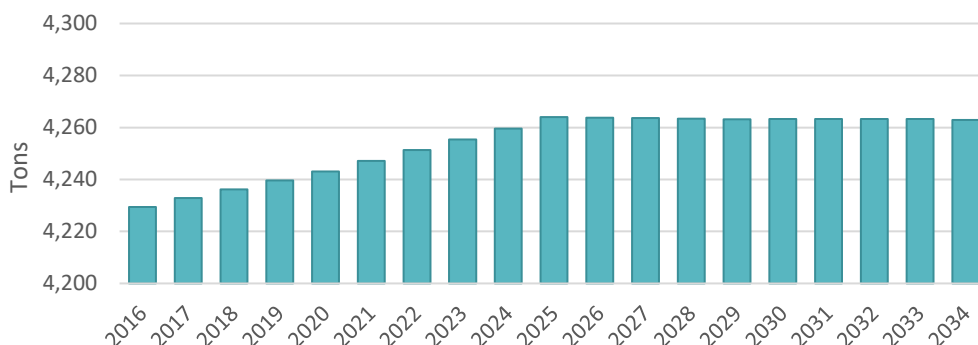


Composted Waste

The total waste composted by the District in 2016 was calculated to be 4,229 tons. Composted waste includes all organic waste that first went to a licensed compost facility. The District projects 4,243 tons of solid waste will be composted in 2020 and will increase to 4,263 tons by 2034, the final year of the planning period. The following graph shows the projected

composted waste by the District throughout the planning period.

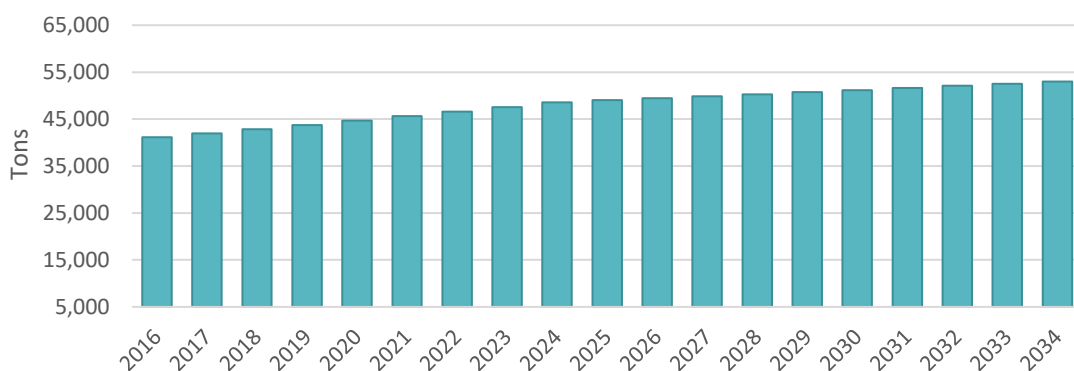
District Yard Waste Composting Projections (2016 – 2034)



Landfilled Waste

The landfill total in Table VI-1 for 2016 (41,122 tons) is calculated by subtracting recycling, and yard waste composted from the total tons to be managed by the District. The District projects 44,666 tons of solid waste will be disposed of in landfills in 2020 and by the end of the planning period, the District will need to landfill 52,991 tons. The projected tons increase is due primarily to the anticipated increase in residential/commercial waste disposal. The following graph shows the projected total landfill tons to be managed by the District throughout the planning period.

District Waste Landfill Projections (2016 – 2034)

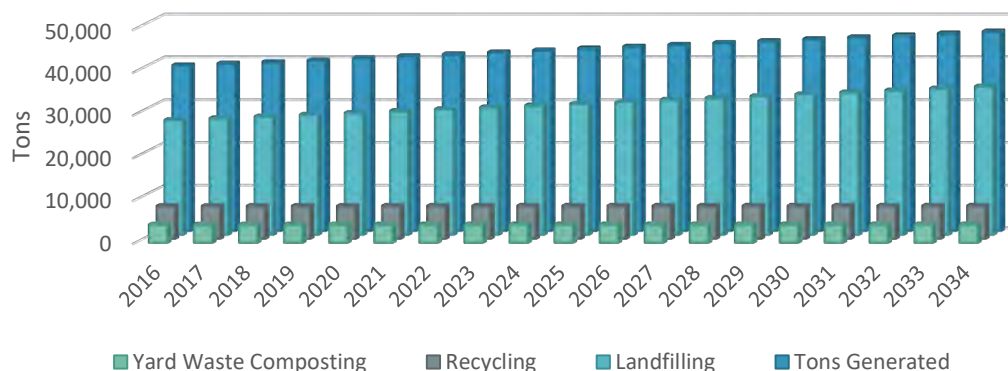


2. Residential/Commercial Waste Management Methods

Table VI-2 presents a summary of waste management methods for residential/commercial solid waste generated by the District. This sector's waste was managed by recycling, yard waste composting, transferring,

and landfilling. In 2016, the residential/commercial sector generated a total of 38,716 tons. This sector is projected to generate 40,409 tons of solid waste at the beginning of the planning period (2020) and 46,637 tons of solid waste by the end of the planning period (2034). The following figure presents the management methods used to manage residential/commercial waste generation throughout the planning period.

2014 – 2032 Residential/Commercial Waste Management Methods

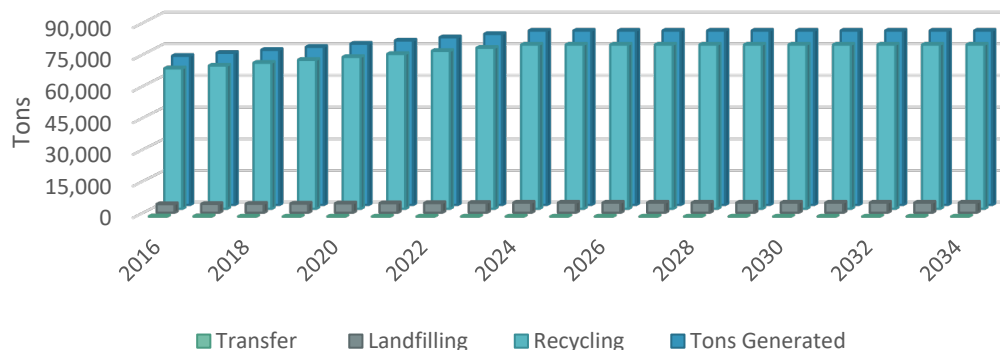


3. Industrial Sector Waste Management Methods

Table VI-3 presents a summary of waste management methods for industrial solid waste generated by the District. This sector's waste was managed by recycling, transferring, and landfilling. In 2016, the industrial sector generated a total of 70,608 tons. This sector is projected to generate 76,344 tons of solid waste at the beginning of the planning period and 82,546 tons of solid waste by the end of the planning period.

The following figure presents the management methods used to manage industrial waste generation throughout the planning period.

2014 – 2032 Industrial Waste Management Methods



Capacity Calculations

Table VI-4A presents the actual landfill capacity utilization and needed landfill projections throughout the planning period. The District has allocated the waste landfilled at each facility in future years based on the percent of the total landfilled waste that facility received in 2016. For those facilities with remaining capacity less than the planning period, waste is allocated to the Cherokee Run Landfill, in Logan County.

Tables VI-4B, VI-4C, VI-4D and VI-4E present projections for incinerators, transfer, recycling and composting facilities. There was one incinerator reported processing 32 tons of District waste in 2016. Five transfer facilities processed 11,488 tons of District waste in 2016. The District anticipates that these transfer facilities will remain in operation throughout the planning period. The District has allocated the waste transferred to each station in future years based on the percent of the total waste transferred by that facility in 2016.

The District listed 11 recycling operations, programs, facilities and the actual material recycled in Table VI-4D. The remaining recycling is attributed to curbside programs, drop-offs and other commercial facilities. The District anticipates that these recycling operations will remain in operation throughout the planning period. The District has allocated the recycling amount in future years to each operation based on the total material recycled at that operation in 2016. Recycling is projected to increase based on population changes and the increase in participation of District programs throughout the planning period.

There are five composting facilities and community composting operations in the District. The District anticipates the amount of material composted in future years at these facilities will be similar to that received in 2016. The District expects the programs outlined in Section V will help the District obtain more yard waste tonnage that is managed through these compost facilities. Composting is projected to increase based on population changes and the increase in participation of District programs throughout the planning period.

B. Demonstration of Access to Capacity

During the 2016 reference year, the District utilized one in-district, five out-of-district landfills, and one out-of-state landfill for direct haul disposal. The District also used one in-district, three out-of-district transfer stations, and one out-of-state transfer station. Of these facilities, the District relied directly on landfills for 49.4% (20,329 tons) of the solid waste disposed by District generators and transfer stations for 50.6% (20,826 tons).

The transfer stations utilized by the District used 1 out-of-district landfills and 2 out-of-state landfills for disposal. In total, the District utilized 1 in-district, 5 out-of-district landfills and 3 out-of-state landfills for direct and indirect haul disposal.

For 2016 data, the Ohio EPA tracked waste disposal tonnage by solid waste district at the first facility where waste was accepted. In order to demonstrate disposal capacity at landfills for 100% of the waste disposed by District generators, a regional capacity analysis was conducted on the landfills used by the District directly and landfills used by transfer stations that accepted District waste.

The following section summarizes the regional capacity analysis the District used to demonstrate access to capacity.

Regional Capacity Analysis

The purpose for the regional capacity analysis is to evaluate and demonstrate that the District has access to disposal capacity during the planning period. In order to conduct a landfill capacity analysis, the District first developed a list of landfills used in the reference year (2016) that generators sent their waste to directly (Table III-1). Then the District developed a list of landfills used by the transfer stations that reported District waste receipts in 2016. The District then conducted a capacity analysis for the combined list of landfills to determine their projected life expectancy based on their average daily receipts. The evaluation also determined each landfill's estimated cubic yard of air space available. Finally, the District calculated the amount of tonnage and compacted cubic yards of air space needed for the entire planning period by the District.

Direct Haul Landfill Capacity Analysis

Landfills used by the District in 2016 that received waste directly from generators have an average life expectancy of 62 years. The District, on average, consumes 0.04% of the annual capacity for each landfill listed below and over a 15-year planning period, the District would consume approximately 0.62% of the permitted capacity of the landfills listed below.

Using the projected landfill air space needs of the District for the planning period (1,159,131 compacted cubic yards), 5 of the 7 landfills listed below could manage the District's entire landfill needs for the entire planning period (2020 – 2034). The landfill that accepts the second largest percentage of District waste is the Randolph Farms Landfill. This landfill could accept 100% of the District's waste for the entire planning period. Cherokee Run Landfill could also accept the District's entire disposal

tonnage for the entire planning period. These landfills have a life expectancy of 16 and 213 years, respectively.

The Celina Landfill has historically provided significant capacity for the District. The operator of the landfill applied for a small vertical expansion which was approved by Ohio EPA on August 14, 2018. This vertical expansion is estimated to extend the life of the landfill by up to three years (2021-2022). The operator of the landfill has indicated to the District during the development of this Plan Update that they intend to close the landfill by the latter part of 2019. The District has had several conversations with the operators of the landfill to determine if the facility will be expanded beyond the vertical expansion that was approved in 2018. At the time this *Plan Update* was prepared, no binding commitment from the landfill to expand the landfill, beyond the small vertical capacity addition, was obtained by the District. With this said, the regional landfill capacity completed for this *Plan Update* demonstrates that there is enough landfill capacity for the District's solid waste throughout the planning period without the Celina Landfill being open during the planning period. The following table summarizes the regional capacity analysis.

Direct Haul Landfills Used by District	2016 Direct Haul (Tons)	2016 Direct Haul (CY)	Remaining Capacity (CY)	Average Daily Waste Receipts (Tons)	Average Daily Waste Receipts (CY)	Years Remaining Based on Average Daily Waste Receipts	% of District Annual Usage (CY)	Projected % of Usage for 15 Years
In-District Landfills								
Celina Sanitary Landfill	19979.26	29,969	467,396	180	270	6.8	6.41%	96.18%
Out-of-District Landfills								
Rumpke Waste Inc Hughes Rd Landfill	11.61	17	24,834,932	5,010	7,515	6.6	0.00%	0.00%
Cherokee Run Landfill	22.36	34	17,095,784	1,879	2,819	24.1	0.00%	0.00%
Evergreen Recycling & Disposal	10.8	16	599,757	499	749	213.0	0.00%	0.04%
County Environmental of Wyandot	15.53	23	21,155,490	609	914	111.0	0.00%	0.00%
Defiance County Sanitary Landfill	4.11	6	11,341,827	445	668	62.0	0.00%	0.00%
Out-of-State Landfills								
Randolph Farms Landfill	70	105	10,418,969	883	1,324	12.1	0.00%	0.02%
Hoosier Landfill	175.31	263	7,352,308	447	670	19.7	0.00%	0.05%
Jay Landfill	9345.03	14,018	14,712,191	491	736	38.6	0.10%	1.43%
Totals/Average	29,634	44,451	107,978,654	1,160	1,740	55	0.04%	0.62%

Transfer Station Landfill Capacity Analysis from Transfer Stations

Ohio EPA provided the District with data that indicated which landfills were used by transfer stations that accepted District waste. The data provided did not indicate the amount of District waste sent to each landfill. The purpose of this part of the capacity analysis is to determine the overall capacity, on average, of the landfills used by transfer stations that accepted District waste. Of the landfills used by in-district transfer stations in 2016, the average life expectancy is 29 years.

The following table summarizes the regional capacity analysis.

Transfer Station	Landfills Used by District Transfer Stations	Remaining Capacity (CY)	Average Daily Waste Receipts (Tons)	Average Daily Waste Receipts (CY)	Years Remaining Based on Average Daily Waste Receipts
In-District Facilities					
Maharg Inc Solid Waste Transfer Facility	Jay County Landfill	11,445,669	491	736	43
Out-of-District Facilities					
Greenville Transfer & Scrap Tire Collection Facility	Rumpke Waste Inc Hughes Rd Landfill	24,834,932	5,010	7,515	7
Waste Management of Ohio - Lima	Jay County Landfill	11,445,669	491	736	43
Montgomery Co. South Transfer Facility	Cherokee Run Landfill	17,095,784	1,879	2,819	24
Out-of-State Facilities					
BUNN BOX INC.- RECYCLING & TRANSFER STATION	National Serv-All Landfill	26,087,522	1,717	2,575	28
Totals/Average		18,181,915	1,917	2,876	29

Using the projected landfill air space needs of the District for the planning period (1,159,131 compacted cubic yards), 3 of the 4 landfills listed above could manage the District's entire landfill needs for the entire planning period (2020 – 2034). The landfill that accepts the largest percentage of District waste is the Jay County Landfill. This landfill could accept 100% of the District's waste for the entire planning period. This landfill has a life expectancy of 43 years.

Table VI-4A Demonstration

The District also completed Table VI-4A even though Ohio EPA could not provide 100% of the landfills used by District generators. The District

tracked which landfills were used by the transfer stations listed in Table III-3, specifically:

Transfer Stations Used by District	Tons Accepted at Transfer Station	Landfills Used by Transfer Station
In-District Facilities		
Maharg Inc Solid Waste Transfer Facility	8,733	Jay County Landfill
Out-of-District Facilities		
Greenville Transfer & Scrap Tire Collection Facility	2,493	Rumpke Waste Inc Hughes Rd Landfill
Waste Management of Ohio - Lima	253	Jay County Landfill
Montgomery Co. South Transfer Facility	0	Cherokee Run Landfill
Out-of-State Facilities		
BUNN BOX INC.-RECYCLING & TRANSFER STATION	9,346	National Serv-All Landfill
Totals/Average	20,826	

The District then completed Table VI-4A for the following landfills:

All Landfills Used by District	City	County	State
Celina Sanitary Landfill	Celina	Mercer	OH
Cherokee Run Landfill	Bellefontaine	Logan	OH
County Environmental of Wyandot	Carey	Wyandot	OH
Evergreen Recycling & Disposal	Northwood	Wood	OH
Jay County Landfill	Portland	Jay	IN
National Serv-All Landfill	Fort Wayne	Allen	IN
Randolph Farms Landfill	Modoc	Randolph	IN
Rumpke Waste Inc Hughes Rd Landfill	Cincinnati	Hamilton	OH
Stony Hollow Landfill	Dayton	Montgomery	OH

Using the projected landfill air space needs of the District for the planning period 1,159,131 compacted cubic yards), 7 of the 9 landfills listed above could manage the District's entire landfill needs for the entire planning period (2020 – 2034). When a landfill was projected to close before the end of the planning period, the District assumed the waste would go to the National Serv-All Landfill for this demonstration. This landfill has a life expectancy of 28 years.

Summary of Regional Landfill Capacity Demonstration

Based on the above regional disposal capacity analysis and Table VI-4A analysis, the District has demonstrated that there is sufficient permitted capacity available to manage the District's solid waste until December 31, 2034.

The District has identified adequate capacity for the fifteen-year planning period without the approval of new facilities. However, the adequate demonstration of existing capacity can be influenced by factors outside the control of the District. Waste generated out-of-District and out-of-state may impact capacity in future years. The District monitors the approval process for new and expanded solid waste facilities and also determines annually changes to the remaining capacity in the region to assist with the implementation of the *Plan Update*.

C. Schedule for Facilities and Programs: New, Expansions, Closures, Continuations

Table VI-5, "Implementation Schedule for Facilities, Strategies, Programs and Activities: Dates and Description", presents descriptions and dates of operation for each facility, program or activity presented in the *Plan Update*.

Programs for residential/commercial recycling, grants, awareness programs, and industrial technical assistance programs are presented in Table VI-5. These programs are discussed in detail in Sections IV and V.

D. Identification and Designation of Facilities and Recycling Activities

Table VI-6 includes the solid waste facilities identified. There are currently no designated facilities. As required in Section 3734.53(A)(13)(a) of the Ohio Revised Code, the District is identifying all Ohio licensed and permitted solid waste landfill, transfer and resource recovery facilities and all licensed and permitted out-of-state landfill, transfer and resource recovery facilities. The District is also identifying recycling and composting programs and facilities that are identified in Section III Inventories.

The District is not planning to designate facilities in this *Plan Update*. The District reserves the right to designate facilities to receive solid waste from the District as an alternate funding mechanism as articulated in Section 8.

E. Authorization Statement to Designate

The Board is authorized to establish facility designations in accordance with Section 343.013 and 343.014 of the Ohio Revised Code. In addition, facility designation will be established and governed by applicable District rules.

F. Waiver Process for the Use of Undesignated Facilities

The District is authorized to designate solid waste management facilities. If the Board elects to designate facilities after this *Plan Update* is approved

by the Director of the Ohio EPA, the following waiver process may be followed by any person, municipal corporation, township or other entity that wishes to deliver waste to a solid waste facility not designated by the District.

In the event that any person, municipal corporation, township or other entity requests permission to use a facility, other than a designated facility, for the disposal of solid waste generated within the District, the entity must submit a written request for a waiver of designation to the Board. The request must contain the following information:

1. Identification of the persons, municipal corporation, township or other entity requesting the waiver;
2. Identification of the generators(s) of the solid waste for which the waiver is requested;
3. Identification of the type and quantity (in tons per year) of solid waste for which the waiver is requested;
4. Identification of the time period(s) for which the waiver is requested;
5. Identification of the disposal facility(s) to be used if the waiver is granted;
6. If the solid waste is to be disposed in an Ohio landfill, a letter from the solid waste management district where the solid waste will be disposed, acknowledging that the activity is consistent with that district's current plan;
7. An estimate of the financial impact to the District that would occur with issuance of the requested waiver; and
8. An explanation of the reason(s) for requesting the waiver.

Upon receipt of the written request containing all of the information listed above, the District staff will review it and may request additional information necessary to conduct its review. The Board shall act on a waiver request within ninety days following receipt of the request. The Board may grant the request for a waiver only if the Board determines that:

1. Issuance of the waiver is not inconsistent with projections contained in the District's approved *Plan Update* under Section 3734.53 (A)(6) and (A)(7) of the Ohio Revised Code;

2. Issuance of the waiver will not adversely affect implementation and financing of the District's approved *Plan Update*; and
3. The entity is willing to enter into an agreement requiring the payment of a waiver fee to the District.

G. Siting Strategy for Facilities

The District does not specifically plan to own and/or operate any solid waste management facilities during the fifteen-year planning period. Moreover, the inventories of wastes generated and of available capacity at solid waste facilities indicate that the District does not need additional solid waste management capacity during the planning period.

Consequently, the District does not intend to adopt a siting strategy beyond that which is in accordance with Ohio Administrative Code 3745-27, 3745-30, 3745-37, or other provisions relating to the siting of solid waste facilities.

H. Contingencies for Capacity Assurance and District Program Implementation

The District does not anticipate any capacity assurance or program implementation problems during this planning period. Three of the landfills used by the District have ample capacity available throughout the planning period. There are several landfills in northwest Ohio and eastern Indiana with the capability to provide capacity if an emergency arose with the landfills used by the District. The District historically funded implementation of its solid waste management plan based on disposal fees levied under O.R.C. § 3734.57(B) on solid waste disposed at the Celina Landfill. The impending closure of the Celina Landfill is likely to disrupt this funding mechanism and require the District to pursue other funding mechanisms that, from the District's view, are more difficult to initiate, maintain and enforce. The District reserves the right to engage in bilateral or multi-party efforts to work with the Celina Landfill on options to extend the facility's capacity and operation during the planning period.

If there is an emergency impacting the District, the Board will meet on an emergency basis and determine the appropriate actions to take to ensure compliance with this *Plan Update*. The following section defines the District's specific contingencies:

Disposal Capacity

The District is nearly 100% reliant on out-of-district landfill capacity. While District disposal capacity is assured for the duration of the planning period,

aspects of management, control and pricing are real concerns to the District.

The District is prepared, if necessary and determined by the Board, to explore the following options if landfill capacity, solid waste management or the cost of solid waste collection, transportation and disposal deteriorates to unacceptable levels:

1. The District may develop a waste disposal cooperative for the purchase or reservation of solid waste disposal capacity for solid waste generated within the District in one or more permitted and licensed landfills outside the District.
2. The District may enter into joint use agreements with other solid waste districts to either obtain new capacity or to secure better disposal options for District generators.

Transfer Capacity

The above referenced potential disposal issue also impacts the transfer of solid waste in the District. The District utilizes 1 in-district, 3 out-of-district, and 1 out-of-state licensed public and private transfer stations.

The District monitors the management of solid waste and governmental contracts to evaluate the cost of the transfer of solid waste out of the District. The District may also study individual facilities' roles relative to ultimate disposal destinations, potential disposal cooperative development, as well as other alternatives which may be explored during the planning period.

While it is likely that the private and public sectors will continue to serve the transfer capacity needs of the District, the District reserves the right to respond to changes in the solid waste market and/or management conditions without seeking a full amendment (see material change in circumstances) of the adopted *Plan Update*.

Recycling Capacity

Recyclables processing in and around the District remains stable with adequate infrastructure to handle the District's current and future needs. In the unlikely event that future District residential recycling needs are not met by the private sector, the District will evaluate whether the District should provide, directly or indirectly, recycling services.

Table VI-1
Waste Management Methods Used and Processing Capacity Needed for Each Year of the Planning Period

Year	Tons of SW Generated	Tons Source Reduced	Net Tons to be Managed	Management Method Used and Processing Capacity Required in TPY				
				Recycling	Transfer	Yard Waste Composting	Gross Incinerated	Landfilling
2016	119,548	0	119,548	74,165	11,488	4,229	32	41,122
2017	121,726	0	121,726	75,482	11,481	4,233	32	41,979
2018	123,949	0	123,949	76,826	11,595	4,236	33	42,854
2019	126,219	0	126,219	78,196	11,770	4,240	33	43,750
2020	128,537	0	128,537	79,593	11,946	4,243	34	44,666
2021	130,909	0	130,909	81,019	12,127	4,247	35	45,608
2022	133,332	0	133,332	82,473	12,309	4,251	35	46,572
2023	135,805	0	135,805	83,955	12,493	4,255	36	47,559
2024	138,331	0	138,331	85,466	12,680	4,260	37	48,568
2025	138,795	0	138,795	85,474	12,869	4,264	37	49,020
2026	139,218	0	139,218	85,474	13,046	4,264	37	49,443
2027	139,644	0	139,644	85,474	13,225	4,264	37	49,870
2028	140,075	0	140,075	85,473	13,406	4,263	37	50,301
2029	140,510	0	140,510	85,473	13,589	4,263	37	50,737
2030	140,953	0	140,953	85,473	13,774	4,263	37	51,179
2031	141,399	0	141,399	85,473	13,961	4,263	37	51,625
2032	141,849	0	141,849	85,473	14,150	4,263	37	52,075
2033	142,304	0	142,304	85,473	14,341	4,263	37	52,530
2034	142,763	0	142,763	85,472	14,533	4,263	37	52,990

Source(s) of information:

Tons of SW Generated - Table V-4

Tons Recycling and Yard Waste Composting - Tables V-5 and V-6

Sample calculations:

2016 Net tons to be managed by SWMD = Tons of SW generated - tons source reduced
119,548 tons = 119,548 tons - . tons

2016 Landfilling = Net tons to be managed by SWMD - (recycling + yard waste composting)
41,122 tons = 119,548 tons - (74,164.58 tons + 4,229.46 tons)

Table VI-2
Summary for Residential/Commercial Waste Management Methods

Year	Tons Generated	Management Method in TPY				
		Recycling	Yard Waste Composting	Transfer	Gross Incinerated	Landfilling
2016	38,716	7,644	4,229	11,338	0	26,842
2017	39,132	7,651	4,233	11,338	0	27,249
2018	39,553	7,657	4,236	11,595	0	27,660
2019	39,978	7,663	4,240	11,770	0	28,076
2020	40,409	7,669	4,243	11,946	0	28,497
2021	40,851	7,676	4,247	12,127	0	28,927
2022	41,297	7,684	4,251	12,309	0	29,362
2023	41,748	7,691	4,255	12,493	0	29,802
2024	42,205	7,699	4,260	12,680	0	30,246
2025	42,669	7,707	4,264	12,869	0	30,698
2026	43,091	7,707	4,264	13,046	0	31,121
2027	43,518	7,706	4,264	13,225	0	31,548
2028	43,949	7,706	4,263	13,406	0	31,980
2029	44,384	7,706	4,263	13,589	0	32,415
2030	44,826	7,706	4,263	13,774	0	32,857
2031	45,272	7,706	4,263	13,961	0	33,303
2032	45,723	7,706	4,263	14,150	0	33,753
2033	46,178	7,706	4,263	14,341	0	34,208
2034	46,637	7,706	4,263	14,533	0	34,668

Source(s) of information:

Tons Generated - Table V-2

Recycling and Yard Waste Composting - Table V-5

Transfer - Table III-3

Sample calculation (2016):

Landfilling = Tons Generated - (Recycling + Yard Waste Composting)

26,842 tons = 38,716 tons - (7,644.46 tons + 4,229.46 tons)

**Table VI-3
Summary for Industrial Waste Management Methods**

Year	Tons Generated	Management Method in TPY			
		Recycling	Transfer	Gross Incinerated	Landfilling
2016	70,608	66,520	135	32	4,055
2017	72,000	67,832	144	32	4,136
2018	73,420	69,169	0	33	4,218
2019	74,867	70,533	0	33	4,301
2020	76,344	71,924	0	34	4,386
2021	77,849	73,343	0	35	4,472
2022	79,384	74,789	0	35	4,560
2023	80,950	76,264	0	36	4,650
2024	82,546	77,768	0	37	4,742
2025	82,546	77,768	0	37	4,741
2026	82,546	77,768	0	37	4,741
2027	82,546	77,768	0	37	4,741
2028	82,546	77,768	0	37	4,741
2029	82,546	77,768	0	37	4,741
2030	82,546	77,768	0	37	4,741
2031	82,546	77,768	0	37	4,741
2032	82,546	77,768	0	37	4,741
2033	82,546	77,768	0	37	4,741
2034	82,546	77,768	0	37	4,741

Source(s) of information:

Tons Generated - Table V-4

Tons Source Reduction & Recycling - Table V-6

Tons Transferred - Table III-3

Sample calculation (2016):

Landfilling = Tons Generated - Source Reduction & Recycling

4,055 tons = 70,608 tons - 66,520.12 tons

Table VI-4A
Waste Management Method: Landfill

Facilities Used by District	County	Average Daily Waste (Tons)	Remaining Capacity		Airspace		Tons of District SW Managed																			
			Years	Data Source	Gross (YD³)	Net (tons)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	
In-District Landfills																										
Celira Sanitary Landfill	Mercer	180	6.8	OEPA	467,396	322,503	19,979	29,436	30,294	31,050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Out-of-District Landfills																										
Rumpke Waste Inc Hughes Rd Landfill	Hamilton	5,010	6.6	OEPA	24,834,932	23,593,185	12	17	18	18	18	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cherokee Run Landfill	Logan	1,879	24.1	OEPA	17,095,784	12,541,187	22	33	34	35	36	36	37	38	39	40	40	40	41	41	41	42	42	42	42	42
Evergreen Recycling & Disposal	Wood	499	213	OEPA	599,757	71,362	11	15.91	16.38	16.78	17.17	17.57	17.98	18.40	18.83	19.27	19.41	19.54	19.68	20	20	20	20	20	21	
County Environmental of Wyandot	Wyandot	609	111	OEPA	21,155,490	17,313,112	16	23	23.5	24.1	24.7	25.3	25.9	26.5	27.1	27.7	27.9	28.1	28.3	28.5	28.7	28.9	29.1	29.3	29.5	
Defiance County Sanitary Landfill	Defiance	445	62	OEPA	11,341,827	7,256,879	4	6	6	6	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	
Out-of-State Landfills																										
Randolph Farms Landfill	Randolph	883	16.11-4	IDEM	10,418,969	7,788,559	70	103	106	109	31,896	32,634	33,413	34,193	34,993	35,815	36,077	36,322	36,570	36,820	37,072	37,329	37,587	37,848	38,112	
Hosier Landfill	Monroe	447	19.72	IDEM	7,352,308	5,798,674	175	258	266	272	314	322	366	375	384	393	395	398	401	404	406	409	412	415	418	
Jay Landfill	Jay	491	38.61	IDEM	14,712,19	11,445,669	1	9,345	13,768	14,170	14,523	14,894	15,238	15,630	15,995	16,370	16,754	16,877	16,991	17,107	17,224	17,342	17,462	17,583	17,705	
Total					93,266,463	74,685,461	20,114	29,634	30,498	31,259	31,980	32,720	33,482	34,263	35,065	35,888	36,151	36,645	36,895	37,149	37,405	37,664	37,926	38,190	38,929	

Source(s) of information:

2016 tons - Tables III-1 - III-3
 2016 tons - 2015 ADR Review Forms and IDEM Complete Solid Waste Quarterly Report Database
 2017 - 2034 tons - Table VI-1

Sample calculation:

2017 Cherokee Run Landfill _____ Cherokee Run Landfill 2016 _____ x Total 2016
 Total 2016

33 tons = _____
 22 tons _____ x 41,979 tons
 20,114 tons

Table VI-4B
Waste Management Method: Incinerator

Facilities Used by District	Average Daily Waste (Tons)	Remaining Capacity		Airspace (cubic yds)		Tons of District SW Managed																		
		Years	Data Source	Gross	Net	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
INDIANAPOLIS RESOURCE RECOVERY FACILITY	N/A	N/A	N/A	N/A	N/A	32	32	33	34	34	35	36	36	37	37	37	37	37	37	37	37	37	37	37
Totals						32	32	33	34	34	35	36	36	37	37	37	37	37	37	37	37	37	37	37

N/A=Not Available

Table VI-4C
Waste Management Method: Transfer

Facilities Used by District	County	Tons of District SW Managed																		
		2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
In-District Facilities																				
Maharg Inc Solid Waste Transfer Facility	Mercer	8,733	8,728	8,815	8,947	9,081	9,218	9,357	9,497	9,639	9,783	9,918	10,054	10,191	10,330	10,471	10,613	10,756	10,901	11,048
Out-of-District Facilities																				
Greenville Transfer & Scrap Tire Collection Facility	Darke	2,493	2,492	2,517	2,555	2,593	2,632	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Management of Ohio - Lima	Allen	253.17	253	256	259	263	267	271	275	279	284	288	291	295	299	304	308	312	316	320
Montgomery Co. South Transfer Facility	Montgomery	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.15	0.15	0.15	0.15	0.15	0.16	0.16	0.16	0.16	0.16
Out-of-State Facilities																				
BUNN BOX INC.-RECYCLING & TRANSFER STATION	Allen	8.46	8	9	9	9	9	2,681	2,721	2,761	2,803	2,841	2,880	2,920	2,959	3,000	3,040	3,082	3,123	3,165
Total		11,488	11,481	11,595	11,770	11,946	12,127	12,309	12,493	12,680	12,869	13,046	13,225	13,406	13,589	13,774	13,961	14,150	14,341	14,533

Source(s) of information:

2016 Tons by Facility - Table III-3

Total Tons - Table VI-1

Table VI-4D
Waste Management Method: Recycling

Facilities Used by District	Tons of District SW Managed																		
	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Automotive Stores																			
Advanced Auto Parts	DNR	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Auto Zone	DNR	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Platinum Auto Group	DNR	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NAPA Auto Parts (Celina)	DNR	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NAPA Auto Parts (Coldwater)	DNR	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NAPA Auto Parts (Ft. ...)	DNR	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Brokers, Processors, and Scrap Yards																			
Ohio Recycling	DNR	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Registered Scrap Tire																			
Other Scrap Tire (from OEPA)	538	548	557	567	577	588	598	609	620	620	620	620	620	620	620	620	620	620	620
Material Recovery Facilities																			
None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Commercial Box Store																			
Dollar General	107	109	111	113	115	117	119	121	123	123	123	123	123	123	123	123	123	123	123
Walmart	735	748	761	775	788	803	817	832	847	847	847	847	847	847	847	847	847	847	847
Special District Collections																			
HHW Collection	14	15	15	15	15	16	16	16	17	17	17	17	17	17	17	17	17	17	17
Other Recycling																			
Other recycling facilities used by the residential/commercial and industrial sectors	72,771	74,064	75,382	76,727	78,098	79,496	80,923	82,377	83,860	83,868	83,868	83,867	83,867	83,867	83,867	83,867	83,867	83,867	83,867
Total	74,165	75,482	76,826	78,196	79,593	81,019	82,473	83,955	85,466	85,474	85,474	85,474	85,473	85,473	85,473	85,473	85,473	85,473	85,473

Source(s) of information:

The total recycled is from Table VI-1.

Projected value for each Recycling Facility is calculated as a ratio based on the 2016 distribution

Sample calculation:

$$\text{Other Scrap Tire (from OEPA) Recycling 2017} = \frac{2016 \text{ Other Scrap Tire (from OEPA) Recycling}}{2016 \text{ Total}} \times \text{Total 2017}$$

Table VI-4E
Waste Management Method: Composting

Facilities Used by District	County	Tons of District SW Managed																		
		2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
In-District Registered Compost Facilities																				
Celina Compost	Mercer	1,627	1,629	1,630	1,631	1,633	1,634	1,636	1,637	1,639	1,641	1,641	1,640	1,640	1,640	1,640	1,640	1,640	1,640	1,640
Brookside Wood Products	Mercer	1,833	1,835	1,836	1,838	1,839	1,841	1,843	1,845	1,846	1,848	1,848	1,848	1,848	1,848	1,848	1,848	1,848	1,848	1,848
Out-of-District Registered Compost Facilities																				
Resource Recycling	Allen	769	769	770	771	771	772	773	774	774	775	775	775	775	775	775	775	775	775	775
Other Activities																				
Wenning Poultry Farm	Mercer	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Village of St. Henry	Mercer	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total		4,229	4,233	4,236	4,240	4,243	4,247	4,251	4,255	4,260	4,264	4,264	4,264	4,263	4,263	4,263	4,263	4,263	4,263	4,263

Source(s) of information:

2016 tons - Table III-6

2016 - 2032 tons - Table VI-1

Table VI-5
Implementation Schedule for Facilities,
Strategies, Programs and Activities: Dates and Description

Program Name	ID #	Location	Description of Program/Facility	Duration	
				Begin	Cease
Residential Recycling and Waste Reduction Programs					
Curbside Recycling Program	MC-1	Multiple	The District will continue to work w ith political subdivisions in the county to promote and support curbside recycling. The District's main objective with this program is to increase the availability of curbside recycling in the County as well as to improve participation.	Ongoing	Ongoing
Curbside Recycling Program	MC-1	Burkettsville Village	Subscription Curbside Recycling (See program description above)	Ongoing	Ongoing
Curbside Recycling Program	MC-1	Celina City	Subscription Curbside Recycling (See program description above)	Ongoing	Ongoing
Curbside Recycling Program	MC-1	Chickasaw Village	Subscription Curbside Recycling (See program description above)	Ongoing	Ongoing
Curbside Recycling Program	MC-1	Coldw ater Village	Subscription Curbside Recycling (See program description above)	Ongoing	Ongoing
Curbside Recycling Program	MC-1	Fort Recovery Village	Subscription Curbside Recycling (See program description above)	Ongoing	Ongoing
Curbside Recycling Program	MC-1	Franklin Tow nship	Subscription Curbside Recycling (See program description above)	Ongoing	Ongoing
Curbside Recycling Program	MC-1	Rockford Village	Subscription Curbside Recycling (See program description above)	Ongoing	Ongoing
Curbside Recycling Program	MC-1	St. Henry Village	Subscription Curbside Recycling (See program description above)	Ongoing	Ongoing
Maintaining Curbside Recycling Programs	MC-1	District-w ide	For any planned or existing curbside recycling program that ceases to operate during the planning period, the District planned to implement the follow ing initiatives: meet with the operator and offer any assistance permitted under this Plan Update to re-start the program. This is to be implemented as needed.	Ongoing	Ongoing
Curbside Recycling Expansion in Tow nships	MC-1	District-w ide	The District plans to work w ith the tow nships in the county that do not provide curbside recycling to consider the options available including contracting for curbside recycling services in combination with trash collection. The District would only implement this initiative in communities that show interest in the concept of contracting for curbside trash and recycling services and accept the District's offer to stimulate demand at the resident level.	Ongoing	Ongoing
Curbside Recycling Cooperatives	MC-1	District-w ide	Evaluate options of conducting regional cooperative contracts for multiple smaller villages and cities for purchasing curbside waste and recycling services. This is to be implemented as needed.	Ongoing	Ongoing
Curbside Recycling Expansion Issues	MC-1	District-w ide	Conduct stakeholder meetings with community leadership including tow nship trustees and public service personnel, residents, and haulers to understand the issues preventing contracting of curbside services and to determine possible solutions. This is to be implemented as needed.	Ongoing	Ongoing
Curbside Recycling Bid Specification Development	MC-1	District-w ide	The District offers to work with communities to develop suitable bid specifications for contracting for non-subscription curbside waste and recycling services. This is to be implemented as needed.	Ongoing	Ongoing

Table VI-5 (continued)
Implementation Schedule for Facilities,
Strategies, Programs and Activities: Dates and Description

Program Name	ID #	Location	Description of Program/Facility	Duration	
				Begin	Cease
Drop-Off Recycling Program	MC-2	Burkettsville Village	Full Time Recycling Drop-off Program	Ongoing	Ongoing
Drop-Off Recycling Program	MC-2	Chickasaw Village - Ohio Recycling	Full Time Recycling Drop-off Program	Ongoing	Ongoing
Drop-Off Recycling Program	MC-2	Jefferson Township	Full Time Recycling Drop-off Program	Ongoing	Ongoing
Drop-Off Recycling Program	MC-2	Rockford Village - Parkway High School	Part Time Recycling Drop-off Program	Ongoing	Ongoing
Program Operation Assessment	MC-2	District-wide	The procedure was developed to deal with any abuses of the drop-off program. The District received complaints from local haulers and Ohio Recycling that residents were using the drop-off centers in lieu of purchasing recycle bags. Currently, all four drop-offs are near communities that offer curbside recycling. Previous survey results have not shown any abuses and the District is not aware of any new abuses of the drop-off sites.	Ongoing	Ongoing
Yard Waste Management Program	MC-3	District-wide	There are currently 3 registered yard waste composting facilities in the District that composted over 4,000 tons of organic material in 2016. Each operation is responsible for their own program/facility. The District will continue composting education and awareness activities, mainly through providing displays at community events and distributing brochures.	Ongoing	Ongoing
Grass Cycling and Backyard Composting Education	MC-3	District-wide	District continues to have a display at the County Fairgrounds which presents information on backyard composting and managing yard waste. The District also distributes a USEPA generated brochure titled "Greenscaping". These brochures are also available at the District office. Also under education, MC-13.	Ongoing	Ongoing
Household Hazardous Waste (HHW) Collection Program	MC-4	District-wide	The District will continue to provide HHW collection events (annual or bi-annual) from residents and certain materials from businesses (see Section V).	Ongoing	Ongoing
User Fee Evaluation	MC-4	District-wide	The District plans to evaluate the opportunity to operate the HHW program with a user fee to residents which can promote or encourage waste minimization while reducing the cost of operating the program for the District.	2020	2034
Alternative HHW Management Options	MC-4	District-wide	The District may implement other strategies for HHW management. Some strategies are included in Section IV.	Ongoing	Ongoing
MC-4.1: Business Participation			Initiative MC-4.1.: The District would also like to include businesses in the HHW collection event and appliance collection where applicable and if funds are available. The District cannot accept regulated hazardous waste from businesses. Materials that could be accepted from businesses include lead acid batteries, used oil (non-PCB contaminated), antifreeze and latex paint.	2020	Ongoing
Lead Acid Battery Management	MC-5	District-wide	The District will continue to collect lead acid batteries from residents at HHW collection events and advertise retailers that will accept lead acid batteries on its website.	Ongoing	Ongoing

Table VI-5 (continued)
Implementation Schedule for Facilities,
Strategies, Programs and Activities: Dates and Description

Program Name	ID #	Location	Description of Program/Facility	Duration	
				Begin	Cease
Used Oil Management	MC-6	District-wide	The District will continue to collect used oil from residents at HHW collection events. Additional locations where residents can drop-off used oil throughout the year will continue to be advertised on the District's website.	Ongoing	Ongoing
MC-6.1: Business Participation			Initiative MC-6.1.: The District would also like to include businesses in the HHW collection event where applicable and if funds are available. The District cannot accept regulated hazardous waste from businesses. Materials that could be accepted from businesses include used oil (non-PCB contaminated).	2020	Ongoing
Scrap Tire Management	MC-7	District-wide	The District will continue to promote scrap tire recycling by directing residents to local tire retailers. The continuation of tire amnesty events may be dependent on the availability of EPA grant funding or general District funding availability.	Ongoing	Ongoing
Electronics Management	MC-8	District-wide	The District will continue to promote electronics recycling through its web site.	Ongoing	Ongoing
Appliance Management	MC-9	District-wide	The District will continue to collect appliances at HHW collection events. Additional appliance recycling outlets will be promoted on the District's website.	Ongoing	Ongoing
MC-9.1: Business Participation			Initiative MC-9.1.: The District would also like to include businesses in the HHW collection event where applicable and if funds are available. The District cannot accept regulated hazardous waste from businesses. Materials that could be accepted from businesses include non-Freon based appliances.	2020	Ongoing
County Office Recycling Program	MC-10	District-wide	This program will continue. The District-instituted recycling program is operated by the county maintenance department. The District will continue to provide technical assistance to other public offices and schools interested in implementing a recycling program.	2004	Ongoing
Litter Collection	MC-11	District-wide	The District will continue to work in tandem with the Mercer County Engineer/Highway Garage to provide litter collection. The District will continue to provide garbage bags, gloves, and safety vests for litter collection events. The District will also continue to pay for the disposal of collected litter. The District reserves the right to suspend funding for this program at any point in the planning period for any reason as determined by the Board of Directors.	Ongoing	Ongoing
Market Development	MC-12	District-wide	The District will continue to support local and regional markets. The District will focus on the following: The District will develop materials on "closed loop recycling" and incorporate "Buy Recycled" into education programs.	Ongoing	Ongoing

**Implementation Schedule for Facilities,
Strategies, Programs and Activities: Dates and Description**

Program Name	ID #	Location	Description of Program/Facility	Duration	
				Begin	Cease
Education and Awareness Program	MC-13	District-wide	The District will continue to provide a variety of education and awareness activities, such as youth/adult presentations, community meetings, advertising campaigns, and targeted community education campaigns. Many of the programs and activities are presented by the District's environmental educator. The District reserves the right to conduct different program promotions and initiatives than those listed in Section IV based on current events, programs and policies of the District in the new planning period.	Ongoing	Ongoing
Youth/Adult Presentations	MC-13	District-wide	The District works with an Education Specialist that is shared with Auglaize County. The Education Specialist provides information and materials on "closed loop recycling" and "Buy Recycled" at presentations throughout the District.	Ongoing	Ongoing
Community Meetings	MC-13	District-wide	The District may contact haulers to determine participation rates and feedback regarding performance of curbside programs for various communities.	Ongoing	Ongoing
Advertising Campaigns	MC-13	District-wide	The District maintains its website with the recycling opportunities that are available to the residents of Mercer County.	Ongoing	Ongoing
Targeted Community Education Campaigns	MC-13	District-wide	The District participates at the County Fair in August of each year. The District along with the Sanitary Engineer hosts a booth at the fair where educational materials are handed to the residents and businesses.	Ongoing	Ongoing
Scrap Tire Management Education	MC-13	District-wide	The District advertises the locations available to recycle scrap tires, lead-acid batteries and used oil on the District web site.	Ongoing	Ongoing
Lead Acid Battery Management Education	MC-13	District-wide	The District advertises the locations available to recycle scrap tires, lead-acid batteries and used oil on the District web site.	Ongoing	Ongoing
Used Oil Management Education	MC-13	District-wide	The District advertises the locations available to recycle scrap tires, lead-acid batteries and used oil on the District web site.	Ongoing	Ongoing
Grass Cycling and Backyard Composting Education	MC-13	District-wide	District continues to have a display at the County Fairgrounds which presents information on backyard composting and managing yard waste. The District also distributes a USEPA generated brochure titled "Greenscaping". These brochures are also available at the District office. Also under yard waste, MC-3.	Ongoing	Ongoing
Close Loop Recycling Initiative	MC-13	District-wide	The District works with an Education Specialist that is shared with Auglaize County. The Education Specialist provides information and materials on "closed loop recycling" and "Buy Recycled" at presentations throughout the District.	Ongoing	Ongoing
Commercial Business Recycling and Waste Reduction Assistance	MC-13	District-wide	The District provides technical assistance to businesses and industries on how to recycle various materials at their place of business	Ongoing	Ongoing
County Office Recycling Program Performance Promotion	MC-13	District-wide	The District promotes the results of this program in the ADR to the County Commissioners each year to demonstrate the program implementation and performance for the previous year.	Ongoing	Ongoing
Educator Networking	MC-13	District-wide	The District's Educator communicates with other educators to keep current on various education topics.	Ongoing	Ongoing
District Website	MC-13	District-wide	The District maintains its web site with recycling information for residents and businesses and updates it on a frequent basis.	Ongoing	Ongoing

Table VI-5 (continued)
Implementation Schedule for Facilities,
Strategies, Programs and Activities: Dates and Description

Program Name	ID #	Location	Description of Program/Facility	Duration	
				Begin	Cease
Community Solid Waste Contracting Workshop	MC-13	District-wide	To encourage townships to contract for solid waste services, the District may conduct a workshop on the potential benefits of contracting for solid waste services for the villages and townships of Mercer County.	Ongoing	Ongoing
Commercial/Industrial/Institutional Sector Technical Assistance	MC-13	District-wide	The District offers technical assistance to industrial and commercial businesses and institutions. The technical assistance included the following: waste assessments and audits if requested, answer questions on solid waste management issues, provide resources on recycling and solid waste management, and general technical assistance as requested.	Ongoing	Ongoing
MC-13.1: Industrial Sector Recycling			Initiative MC-13.1.: The District's industrial waste reduction strategies are presented in Table V-6, "Industrial Waste Reduction Strategies". The District projects a decrease in industrial recycling from 66,520 tons in 2016, the reference year, to 77,768 tons by 2024 and kept a conservative flatline for the remaining years of the planning period.	2020	Ongoing
Plan Implementation, Preparation, and Monitoring	MC-14	District-wide	The District will continue to conduct annual activities related to plan preparation, implementation, and monitoring. The solid waste plan will continue to be updated every 5 years.	Ongoing	Ongoing
Health Department Funding	MC-15	District-wide	The District will continue providing financial assistance to the health department for landfill inspections and well testing.	Ongoing	Ongoing
Other Facilities	MC-16	District-wide	The facilities identified in Section IV are projected to continue throughout the planning period.	Ongoing	Ongoing

**Table VI-6
Facilities Identified and Current Designations**

Facilities Identified	
Landfills	
Name	Location (SWMD)
Ohio EPA permitted and licensed solid waste landfills	
Transfer Facilities	
Ohio EPA permitted and licensed solid waste transfer facilities.	
Recycling Facilities	
Recycling Facilities presented in Section III of this Plan.	
Designated Facilities	
None	None

VII. Measurement of Progress Toward Waste Reduction Goals [ORC Section 3734.53(A)]

A. Compliance with Goal #2

The District annually conducts a comprehensive survey of local and regional processors and brokers as well as local industry that has consistently provided high quality waste reduction data over the last several years. This data, coupled with District waste generation, has resulted in the District achieving, in the reference year, a 31% waste reduction rate in the residential/commercial sector and a 94% waste reduction rate in the industrial sector. Therefore, the District is choosing to show compliance with Goal #2 of the 1995 State Solid Waste Management Plan. Goal #2 requires solid waste districts to:

- Reduce or recycle at least 25% of the residential/commercial waste generated; and
- Reduce or recycle at least 50% of the industrial waste generated.

B. Demonstration of Compliance with Goal #2

Since the District's *Plan Update* is based on Goal #2, Plan Format Tables VII-1 and VII-2 are not applicable and have been omitted.

Residential/Commercial Sector

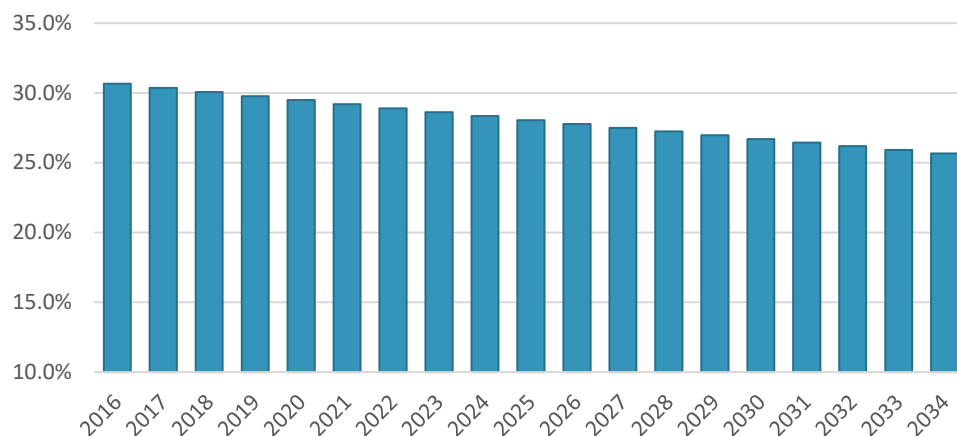
In 2016, approximately 31% of the District's residential/commercial waste stream was recycled including yard waste (Table VII-3). This equates to a per capita rate of 1.59 pounds per person per day (PPPD).

The District is committed to maintaining or exceeding the state goals for recycling and waste reduction. The programs presented in Section V and included in Table VI-5 illustrate the District's plans to continue to increase the amount of recyclables and materials that are recycled.

The District will continue to meet or exceed the 25% waste reduction rate throughout the planning period based on the District's projections for successful recycling programs and waste generation within the District. In 2034, the final year of the planning period, the District anticipates a 25.7% waste reduction rate for the residential/commercial sector. The percentage of waste reduction decreases slightly over the planning period, but the per capita waste reduction rate of 1.59 PPPD is the same as the per capita rate during the reference year. This is a result of increasing generation rates and changes in population.

The following graph depicts the residential/commercial sector waste reduction rate throughout the planning period.

**Residential/Commercial Waste Reduction Percentage
(2016 – 2034)**

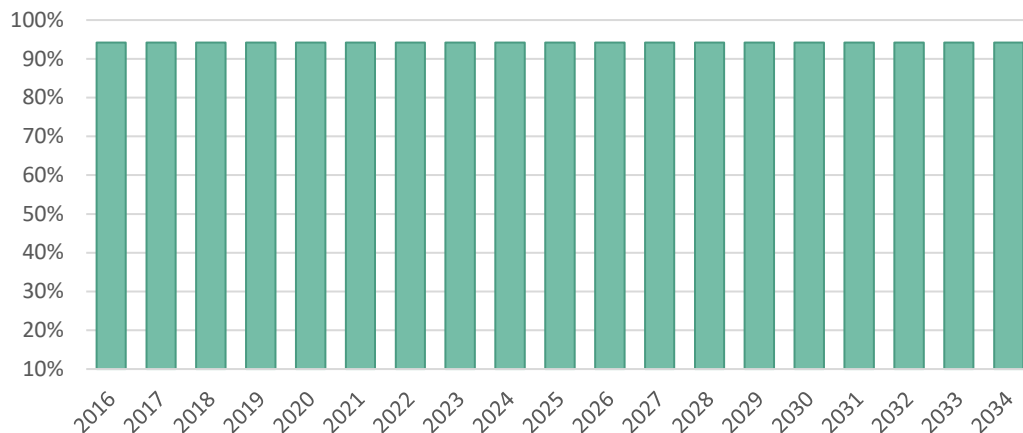


Industrial Sector

In 2016, 94% of industrial solid waste was recycled (Table VII-4). This is a per capita waste reduction rate of 8.89 pounds per person per day (PPPD). In 2034, the final year of the planning period, the District anticipates a 94% waste reduction rate for the industrial sector. This equates to a per capita waste reduction rate of 10.31 PPPD.

The following graph depicts the industrial sector waste reduction rate throughout the planning period.

**Industrial Waste Reduction Percentage
(2016 – 2034)**



All Sectors

In 2016, the District's total waste reduction rate (residential/commercial and industrial) was 72% (Table VII-5). This equates in pounds per person per day (PPPD) rate of 10.48. The District anticipates that the total waste reduction rate will decrease to 69% by 2034, the final year of the planning period. This equates in pounds per person per day (PPPD) rate of 11.90. The projected decrease is primarily based on the reduction of waste generated by the industrial sector, as well as projected increases in waste generation from the residential sector.

The following graph depicts all sectors waste reduction rate throughout the planning period.

**Total Waste Reduction Percentage
(2016 – 2034)**

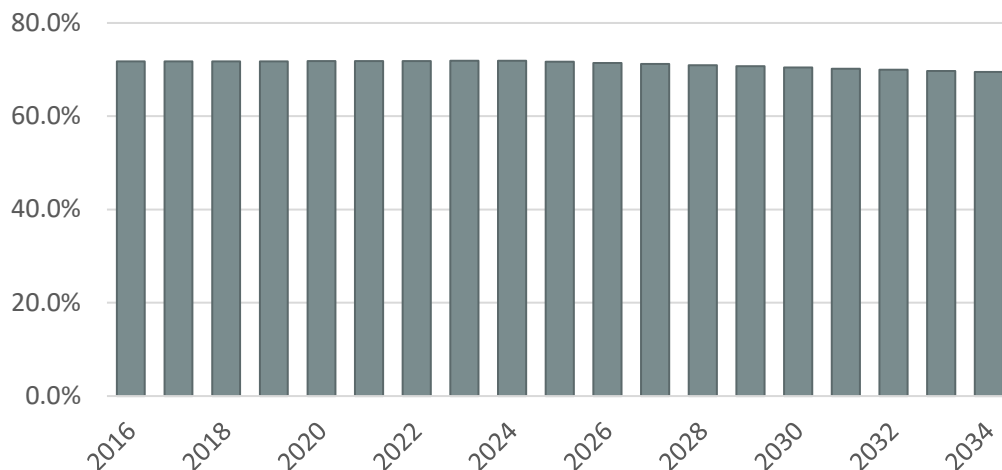


Table VII-3
Annual Rate of Waste Reduction: Residential/Commercial Waste

Year	Recycling	Composting	Landfill	Total Waste Reduction	Population	Waste Reduction Rate (%)	Per Capita Waste Reduction Rate (lb/day)
2016	7,644	4,229	26,842	11,874	41,000	30.7%	1.59
2017	7,651	4,233	27,249	11,883	41,033	30.4%	1.59
2018	7,657	4,236	27,660	11,893	41,065	30.1%	1.59
2019	7,663	4,240	28,076	11,902	41,098	29.8%	1.59
2020	7,669	4,243	28,497	11,912	41,132	29.5%	1.59
2021	7,676	4,247	28,927	11,924	41,172	29.2%	1.59
2022	7,684	4,251	29,362	11,935	41,212	28.9%	1.59
2023	7,691	4,255	29,802	11,947	41,252	28.6%	1.59
2024	7,699	4,260	30,246	11,958	41,292	28.3%	1.59
2025	7,707	4,264	30,698	11,971	41,335	28.1%	1.59
2026	7,707	4,264	31,121	11,970	41,333	27.8%	1.59
2027	7,706	4,264	31,548	11,970	41,331	27.5%	1.59
2028	7,706	4,263	31,980	11,969	41,329	27.2%	1.59
2029	7,706	4,263	32,415	11,969	41,327	27.0%	1.59
2030	7,706	4,263	32,857	11,969	41,328	26.7%	1.59
2031	7,706	4,263	33,303	11,969	41,328	26.4%	1.59
2032	7,706	4,263	33,753	11,969	41,328	26.2%	1.59
2033	7,706	4,263	34,208	11,969	41,328	25.9%	1.59
2034	7,706	4,263	34,668	11,969	41,328	25.7%	1.59

Note: Columns for incineration have not been included in this table since the District has not used this management method for solid waste.

Source(s) of information:

Recycling, composting, incineration, and landfill tonnage - Table VI-2

Gross incineration and waste reduction via incineration - Table VI-1

Population - Table V-1

Sample calculation (2016):

Recycling + composting = Total waste reduction

7,644 tons + 4,229 tons = 11,873.92 tons

Total waste reduction ÷ (total waste reduction + landfill) x 100 = Waste reduction rate

11,874 tons / (11,874 tons + 26,841.78 tons) x 100 = 31%

(Total waste reduction x 2,000 lbs) ÷ (District population x 365 days) = Per capita waste reduction rate

(11,874 tons x 2,000 pounds) / (41,000 x 365) = 1.59 lbs/day

Table VII-4
Annual Rate of Waste Reduction: Industrial Waste

Year	Recycling	Landfill	Population	Waste Reduction Rate (%)	Per Capita Waste Reduction Rate (lb/day)
2016	66,520	4,055	41,000	94.3%	8.89
2017	67,832	4,168	41,033	94.2%	9.06
2018	69,169	4,250	41,065	94.2%	9.23
2019	70,533	4,334	41,098	94.2%	9.40
2020	71,924	4,420	41,132	94.2%	9.58
2021	73,343	4,507	41,172	94.2%	9.76
2022	74,789	4,596	41,212	94.2%	9.94
2023	76,264	4,686	41,252	94.2%	10.13
2024	77,768	4,779	41,292	94.2%	10.32
2025	77,768	4,779	41,335	94.2%	10.31
2026	77,768	4,779	41,333	94.2%	10.31
2027	77,768	4,779	41,331	94.2%	10.31
2028	77,768	4,779	41,329	94.2%	10.31
2029	77,768	4,779	41,327	94.2%	10.31
2030	77,768	4,779	41,328	94.2%	10.31
2031	77,768	4,779	41,328	94.2%	10.31
2032	77,768	4,779	41,328	94.2%	10.31
2033	77,768	4,779	41,328	94.2%	10.31
2034	77,768	4,779	41,328	94.2%	10.31

Source(s) of information:

Recycling and landfill data - Table VI-3

Population - Table V-1

Sample calculation (2016):

$$\text{Recycling} \div (\text{recycling} + \text{landfill}) \times 100 = \text{Waste reduction rate}$$

$$66,520 \text{ tons} / (66,520 \text{ tons} + 4,055.41 \text{ tons}) \times 100 = 94\%$$

$$\text{Recycling} \times 2,000 \text{ pounds} \div (\text{district population} \times 365 \text{ days}) = \text{Per capita waste}$$

$$(66,520 \text{ tons} \times 2,000 \text{ pounds}) / (41,000 \times 365) = 8.89 \text{ lbs/day}$$

Table VII-5
Annual Rate of Waste Reduction: Total District Solid Waste

Year	Recycling	Composting	Landfill	Tons Waste Reduction	Population	Waste Reduction Rate	Per Capita Waste Reduction Rate (lb/day)
2016	74,165	4,229	30,897	78,394	41,000	71.7%	10.48
2017	75,482	4,233	31,417	79,715	41,033	71.7%	10.65
2018	76,826	4,236	31,910	81,062	41,065	71.8%	10.82
2019	78,196	4,240	32,410	82,436	41,098	71.8%	10.99
2020	79,593	4,243	32,916	83,836	41,132	71.8%	11.17
2021	81,019	4,247	33,434	85,266	41,172	71.8%	11.35
2022	82,473	4,251	33,957	86,724	41,212	71.9%	11.53
2023	83,955	4,255	34,488	88,210	41,252	71.9%	11.72
2024	85,466	4,260	35,025	89,726	41,292	71.9%	11.91
2025	85,474	4,264	35,477	89,738	41,335	71.7%	11.90
2026	85,474	4,264	35,900	89,738	41,333	71.4%	11.90
2027	85,474	4,264	36,327	89,737	41,331	71.2%	11.90
2028	85,473	4,263	36,758	89,737	41,329	70.9%	11.90
2029	85,474	4,263	37,193	89,737	41,327	70.7%	11.90
2030	85,473	4,263	37,636	89,737	41,328	70.5%	11.90
2031	85,473	4,263	38,082	89,737	41,328	70.2%	11.90
2032	85,473	4,263	38,532	89,737	41,328	70.0%	11.90
2033	85,473	4,263	38,987	89,737	41,328	69.7%	11.90
2034	85,474	4,263	39,446	89,737	41,328	69.5%	11.90

Note: Columns for incineration have not been included in this table since the District has not used this management method for solid waste.

Source(s) of information:

Recycling, composting, incineration, waste reduction via incineration, landfill, and population - Tables VII-3 and VII-4

Sample calculation (2016):

Recycling + composting + waste reduction via incineration = Tons waste reduction

74,165 tons + 4,229 tons = 78,394.04 tons

Total waste reduction ÷ (total waste reduction + landfill) x 100 = Waste reduction rate

78,394 tons / (78,394 tons + 30,897.19 tons) x 100 = 72%

(Total waste reduction x 2,000 lbs) ÷ (District population x 365 days) = Per capita waste reduction rate

(78,394 tons x 2,000 pounds) / (41,000 x 365) = 10.48 lbs/day

VIII. Cost of Financing Plan Implementation [ORC Section 3734.53(A)(9), (12) and (B)]

This section of the Plan provides information on the District's revenues and expenditures. The revenues and expenditures presented for 2016 and 2017 are based on actual revenues received and costs expended. The planning period includes cost projections based on these initial years.

The District created three budgets to account for three funding mechanism options for the District. This is the direct result of the indication from Republic Waste Services that they will close the Celina Landfill in late 2019. The three budgets are described below:

Budget A – This budget includes all planned expenses in table VIII-5 with funding coming from rates and charges on improved parcels in the District.

Budget B – This budget includes all planned expenses in table VIII-5 with funding coming from contract fees charged to designated facilities that accept District generated solid waste. This budget may also include as a replacement to the contract fee in the same amount, a generation fee, which would be collected in a similar fashion as a contract fee. This is based on a recent Supreme Court ruling which may allow Ohio's generation fee to be collected at out-of-state landfills and transfer stations without interfering with interstate commerce. A generation fee would be implemented, under this option, if legal counsel to the District agrees with the ability to collect the fee on all solid waste generated in the District that is destined to any solid waste landfill or transfer station regardless of its location.

Budget C – This budget includes all planned expenses in table VIII-5 with funding coming from the existing disposal fees if the Celina Landfill is operated past 2019. The District desires to have this budget option available if the landfill site continues to be operated by Republic Services, sold to another operator or operated as a transfer station.

The District's Board and Policy Committee prefer to implement Budget A when and if the Celina Landfill closes. The District reserves the right to utilize the other budgets, at any time during the planning period, and their associated funding mechanisms including the contingent funding mechanism listed later in this section. The District also reserves the right to move back and forth between funding mechanisms if needed to maintain the core programs listed in this *Plan Update*. It is not the intent of the District to have significant variability in funding mechanisms or to change funding mechanisms frequently. The District needs the flexibility to adapt to conditions out of the control of the District to ensure stable and adequate funding to meet the needs of the community and to implement the *Plan Update*.

The strategy the District will employ for any of the budgets listed above is to maintain the core programs identified in Section V of this *Plan Update*. The

funding for these programs and District administration will come from the funding options listed above.

The following table summarizes the budget tables used for each scenario listed above:

Based Table #	Budget A Rates and Charges Funding Mechanism	Budget B Contract Fee Funding Mechanism	Budget C Disposal Fee Funding Mechanism
VIII-1	Not Used	Not Used	VIII-1 (2016-2019) VIII-1C
VIII-2	Not Applicable	Not Applicable	Not Applicable
VIII-3	VIII-3A	VIII-3B	VIII-3C
VIII-4	Same for all Budgets	Same for all Budgets	Same for all Budgets
VIII-5	Same for all Budgets	Same for all Budgets	Same for all Budgets
VIII-6	VIII-6A	VIII-6B	VIII-6C
VIII-7	Same for all Budgets	Same for all Budgets	Same for all Budgets
VIII-8	VIII-8A	VIII-8B	VIII-8C

It is important to stress that the District may utilize a combination of the above listed funding mechanisms at any point in the planning period. The main objective is to generate enough revenue to operate the District and implement this *Plan Update*. Depending on the actual conditions in the District regarding the Celina Landfill and its future uses (landfill, transfer station or permanently closed), the District will need the maximum options available to generate the required revenue to implement this *Plan Update* without the need to rewrite the plan under a material change in circumstance situation.

Budget Demonstration

The District has prepared the budget section of this *Plan Update* to meet the requirements in the Ohio Revised Code, Section 3734.53 (A)(13)(d):

The methods of financing implementation of the plan and a demonstration of the availability of financial resources for that purpose.

The budget tables prepared for this *Plan Update* demonstrate that the District has the financial funding throughout the planning period to implement the planned programs and initiatives. Nothing contained in these budget projections should be construed as a binding commitment by the District to spend a specific amount of money on a particular strategy, facility, program and/or activity. The Board, with the advice and assistance of the District Coordinator, will review and revise the budget as needed to implement the planned strategies, facilities, programs and/or activities as effectively as possible with the funds available. Revenues, not otherwise committed to an existing strategy, facility, program or activity may be used to increase funding to improve the effectiveness of an existing strategy, facility, program or activity and to provide funding for a new strategy, facility, program or activity the Board concludes is justified based on the District Coordinator's recommendations and the content of this *Plan Update*.

The District reserves the right to revise the budget and reallocate funds as programs change or when otherwise determined to be in the best interest of the District. If the budget in this *Plan Update* is affected to the point that it must be revised, the District will first determine if a material change in circumstance has occurred. If a material change in circumstance has not occurred but budget revisions are needed that go beyond normal adjustments, the District may revise the budget per ORC Section 3734.56(E) and follow the appropriate ratification requirements to finalize the budget revisions.

The District is committed to implementing planned strategies, facilities, programs and/or activities in a cost-effective manner. The District is committed to improving the effectiveness and reduce the cost of all District strategies, facilities, programs and activities. The District Board is authorized to expend District funds among other uses included in the Plan Update when costs are reduced. Additionally, the Board is authorized to use reduced costs to provide grant funds or direct funding to evaluate, test and/or implement new strategies, facilities, programs and activities that are in compliance with this *Plan Update* are not a “material change in circumstance” regarding the implementation of this *Plan Update*.

A. Funding Mechanisms

1. District Disposal Fees

The District collected the majority of its revenue from solid waste disposal fees in 2016. The disposal fee has always been the primary funding mechanism for the District. In 2016, the disposal fee schedule was \$2.00 per ton for in-district waste, \$4.00 per ton for out-of-district waste and \$2.00 per ton for out-of-state waste. The disposal fee yielded \$88,691 in revenue for the District in 2016.

There is one active, publicly-available landfill for disposing solid waste in the District. That facility is the Celina Sanitary Landfill which is owned by Republic Services. Republic Services reported that the Celina Sanitary Landfill had 6.8 years of remaining capacity available at the end of 2016 based on the amount of waste disposed at the landfill. Republic Waste Services has indicated to the District that they will close the landfill sometime in late 2019. This action will necessitate the need for the District to enact a different funding mechanism to operate the District in 2020 and beyond. The replacement funding mechanisms will be discussed later in this section.

Table VIII-1, “District Disposal Fee Schedule and Revenues Generated” presents the District’s actual and projected revenue from tiered disposal fees from 2016 to 2019. The tonnages listed in Table VIII-1 from 2014 to 2016 were calculated from the revenue reported in the quarterly fee reports the District submitted to Ohio EPA. Projections for revenue to be collected on the in-district portion of the disposal fee are based on the

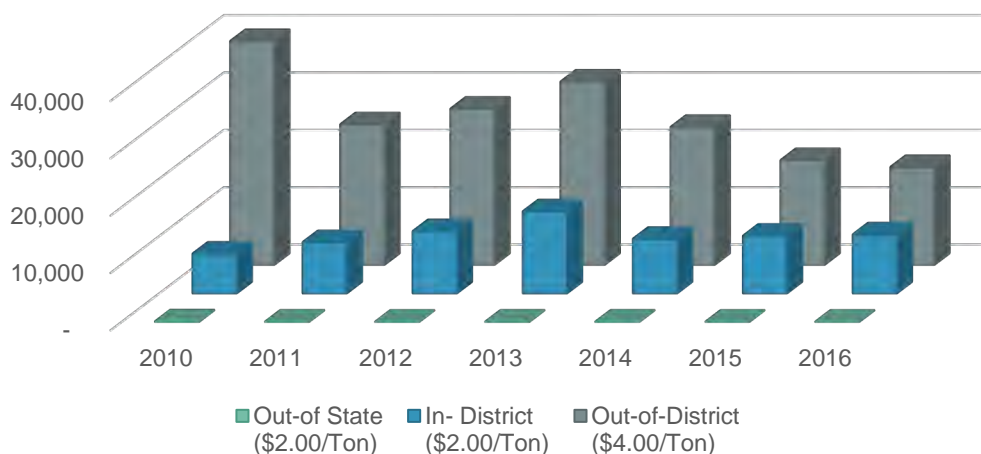
amounts of waste Celina Sanitary Landfill is expected to accept from the District from 2016 to 2019 as presented in Table VI-4A. Starting in 2020, the District will transition to a different funding mechanism discussed later in this section.

Table VIII-1C, "District Disposal Fee Schedule and Revenues Generated" presents the District's actual and projected revenue from tiered disposal fees from 2016 to 2034. This table may be used if the landfill remains open or reopens at any time in the planning period.

The tonnages listed in Table VIII-1 from 2014 to 2016 were calculated from the revenue reported in the quarterly fee reports the District submitted to Ohio EPA. Projections for revenue to be collected on the in-district portion of the disposal fee are based on the amounts of waste Celina Sanitary Landfill is expected to accept from the District from 2016 to 2035 as presented in Table VI-4A.

Revenue from the out-of-district and out-of-state portions of the disposal fee was projected as the average tonnage received from each source at the Celina Sanitary Landfill from 2016 to 2017. The following graph depicts the historical disposal fee revenue tons:

2010 – 2016 Historical In-District Disposal Fee Tons



The disposal fee revenue is not projected to be collected in the first year of the planning period based on the closure of the Celina Landfill. If Disposal fees are collected into the planning period, the District reserves the right to adjust disposal fees at any time and for any reason throughout the planning period. Any adjustments will follow the Ohio Revised Code requirements.

2. Generation Fee

In the reference year, the District did not collect revenues from a generation fee. The District does not intend to implement a generation fee during this Plan. Therefore, Table VIII-2 as prescribed by the format was omitted.

The District reserves the right to implement a generation fee at any time in the planning period.

3. Rates and Charges

Rates and charges funding will be implemented under Budget A.

Ohio Revised Code (ORC) 343.08 allows the District to fix reasonable rates or charges to be paid by every person, municipal corporation, township, or other political subdivision that owns premises to which solid waste collection, storage, transfer, disposal, recycling, processing, or resource recovery service is provided by the District and may change the rates or charges whenever it considers it advisable.

The District provides the following resource recovery services and education and outreach services to all residents and businesses in the District:

- Household hazardous waste collections
- Lead acid battery recycling through Ohio Recycling
- Used oil recycling through local vendors
- Scrap tire collections
- Electronics recycling through local vendors
- Appliance collection
- County offices recycling program
- Litter collection
- Market development support
- Comprehensive education and outreach services

To fund these programs and services, and in accordance with ORC 343.08, the District will levy a \$4.50 per year charge on each improved parcel within the District starting in 2020. An “improved parcel” is a parcel of land that is improved with at least one permanent, portable, or temporary building. The District Board will initiate this funding mechanism in 2019 as required by the following process defined in ORC 343.08.

- The District will publish in a newspaper of general circulation in the County a public notice for three public hearings to be held on the rate and charge fixed by the Board.
- Conduct a Board meeting to consider public comments and then finalized the rate and charge before September of 2019.
- The Board will certify the rate and charge to the County Auditor in September of 2019.

- The County Auditor will place the rate and charge on the real property duplicate after receiving the rate and charge submission from the District in late September 2019
- Collection of the new rate and charge will commence in 2020.

The charge will begin in 2020 and continue throughout the planning period if Budget A is implemented.

Rates and charges are adjusted through the process described in ORC 343.08. With this said, any changes in the rates and charges will occur through the process described in ORC 343.08 and are initiated by the Board of Directors of the District at their sole discretion.

The charge, which is based on certain types of property ownership, provides a reliable funding source for the District. The total annual revenue from the charge is calculated using a rate of \$4.50 per improved parcel assuming there are 19,568 improved parcels and a pay rate of 99%. This assumption projects the revenue collected from the charge will be \$87,175 annually.

Some municipalities or townships may propose to contract with the District for provision of the District's services for residents and businesses located within the city, village or township. Improved parcels located within a community that contracts with the District for services may be subject to a reduced charge or none, depending on the terms and conditions of the agreement between the District and city, village or township. The District reserves the right to implement combination of rates and charges and contracts with communities to achieve the projected revenue for Budget A.

4. Contract Fees

Contract fees funding will be implemented under Budget B.

The District will designate solid waste facilities pursuant to ORC 343.014 and will entered into contracts with designated facilities to collect a Contract Fee for solid waste generated in the District and received at the designated facility. The per ton contract fee is projected to \$3.50 and will be used to fund the District's activities and programs.

The total amount of waste generated in the District and disposed at contracted facilities in 2020 is projected to be 31,150 tons. Based on the projected contract fee of \$3.50, approximately \$77,874 of contract fee revenue will be collected. The District does not plan to increase the contract fee in in the planning period. If fee changes are required, a separate process will occur between the Board and the designated

facilities. Total contract fee revenue for 2020 until the end of the planning period is based on the projected solid waste disposal tons from the average budget increase projected from 2016 to 2019. This increase rate of 0.966% for in-district tonnage (used in Budget C) and transfer station tonnages increase at a rate of 1.6% (from Section 6) allows the District to remain conservative in revenue projections. Table VIII-3B presents the projected contract fee revenue from 2020 to 2035.

5. Summary of District Revenues

Table VIII-3A-C, “Summary of Revenue Generated and Mechanisms Used,” presents the District’s actual revenues from 2016 and 2017 and estimated revenues for 2018 – 2034. Estimated revenues include rates and charges (Budget A), disposal fees (Budget C), contract fees (Budget B), reimbursements, grants, and miscellaneous revenue. The following table summarizes all District revenue for the first year of the planning period along with a description of each revenue source. Miscellaneous revenues include refunds and reimbursements.

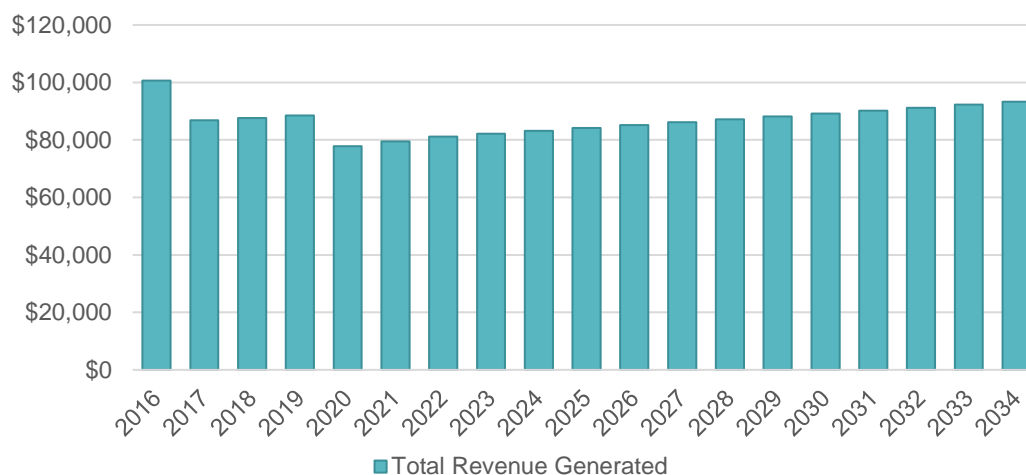
Revenue Source	2020 Projected Revenue Total
Rates and Charges (Budget A)	\$87,175
Rates and Charges are a \$4.50 charge on each improved parcel within the District starting in 2020. An “improved parcel” is a parcel of land that is improved with at least one permanent, portable, or temporary building.	
Contract Fees (Budget B)	\$78,329
Contract fees are from the total amount of waste generated in the District and disposed at designated solid waste facilities.	
Disposal Fees (Budget C)	\$81,472
Disposal fees from solid waste disposed at the Celina Landfill operated by Republic Waste.	
Miscellaneous Revenue	\$0
Miscellaneous revenues received by District.	

Budget A: Rates and Charges

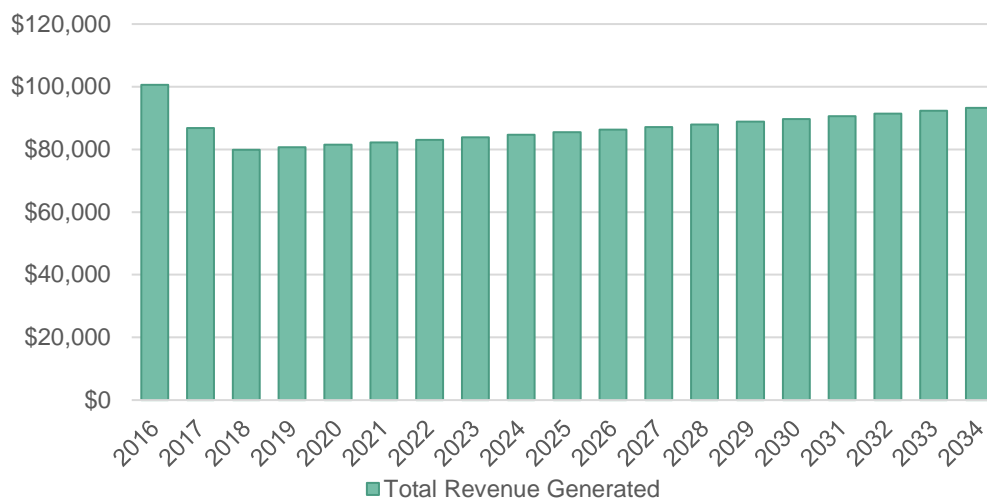
Total revenues are anticipated to increase from \$87,175 in 2020, the first year of the planning period, to \$87,175 in 2034, the final year of the planning period. The following chart depicts the total District revenue, including the anticipated sources of revenue identified above, from 2016 to 2034.

2016 – 2034 District Revenue (Budget A)**Budget B: Contract Fees**

Total revenues are anticipated to increase from \$78,329 in 2020, the first year of the planning period, to \$92,645 in 2034, the final year of the planning period. The following chart depicts the total District revenue, including the anticipated sources of revenue identified above, from 2016 to 2034.

2016 – 2034 District Revenue (Budget B)**Budget C: Disposal Fees**

Total revenues are anticipated to increase from \$81,472 in 2020, the first year of the planning period, to \$93,213 in 2034, the final year of the planning period. The following chart depicts the total District revenue, including the anticipated sources of revenue identified above, from 2016 to 2034.

2016 – 2034 District Revenue (Budget C)**4. Other Funding Mechanisms**

The District reserves the right to consider other funding mechanisms, including the mechanisms listed in Budgets A-C and also including generation fees (see Section VI). These alternate fee mechanisms would allow the District to collect fees on all solid waste generated within the District and/or from all members of the District. The process to designate solid waste facilities will comply with Section 343.014 of the Ohio Revised Code. All solid waste facilities designated by the District pay the contract fee.

The District reserves the right to engage in bilateral or multi-party efforts to work with the Celina Landfill on options to extend the facility's capacity and operation during the planning period. The District also reserves the right to negotiate a contract with the Celina Landfill operator (current or future) for funding for the District at any point in the planning period.

In the event the Board contracts with designated solid waste facilities, the Board will also implement the waiver process for undesignated solid waste facilities. Waiver agreements will permit the delivery of solid waste generated within the District and will require that the owner or operator of the undesignated facility receiving the waiver shall pay a waiver fee to the Board equal to the amount of the contract fee for designated solid waste facilities.

The District's Board of Directors may choose to use these mechanisms to supplement or replace the District disposal fee, which was adopted pursuant to Section 3734.57 of the Ohio Revised Code. Any change in the disposal fee requires the approval of the District Policy Committee and subsequent ratification by the political subdivisions within the District.

B. Cost of Plan Implementation

Table VIII-4 “Anticipated Loans Secured by the District”, indicates the District does not have any outstanding loans. The District reserves the right to assume debt for any purpose that is in the best interest of the District. Any new loans that may be incurred during the planning period will be evaluated to determine if a significant change in the projected expenses as it relates to projected revenues would require an amendment to the budget tables, which would require ratification, by the political subdivision of the District. An amendment to the budget tables would not be required if the changes are not significant and are consistent with this *Plan Update*. The Board of Directors, along with advice from Ohio EPA, will determine what change is significant since there is no formal guidance from Ohio EPA on this issue.

Table VIII-5, “Estimated Cost for Plan Implementation,” includes a detailed breakdown of administration, residential/commercial/industrial recycling and collection programs, residential/commercial education and awareness programs, market development support, health department funding and other programs.

Table VIII-5 presents projected budgets for the above listed categories for the entire planning period. The District understands that changes in revenues as well as expenses throughout the planning period may occur that have not been anticipated in these budgets.

The District will evaluate the funding priorities and may adjust the amount of funding that will be allocated to the various initiatives, strategies and programs of the District. If the District concludes that a change in funding is warranted for a District initiative, strategy or program, the District shall evaluate whether the affected initiative, strategy or program constitutes a material change in circumstances that requires an update of the District Plan. If the District concludes that the change in an essential program is not material, the District may adjust funding. The District Coordinator will explain the proposed changes in expenditures to the Board. Thereafter, the adjusted funding shall be in accordance with the District Plan and shall not constitute a basis to update the District Plan.

If the District concludes that adjusted funding for one or more initiatives, strategies or programs constitutes a material change in circumstances, the changes in funding shall be implemented and the Board shall request the Policy Committee to prepare a revised or updated Plan incorporating the changes in funding.

The District Coordinator will allocate these funds with the approval of the Board of Directors.

Administration

Administration costs include the payroll, payroll taxes and benefits, office expenses, equipment, professional services (includes plan preparation, attorney fees and other consulting), travel and other administrative expenses.

Current staffing and all previous administrative workload is not projected to change during the planning period because of the above listed cost re-allocation initiative. The Board does reserve the right to make further reductions in administrative expenses as deemed in the best interest of the District based on economic forces or other issues as long as the reductions do not impair the District's ability to implement this *Plan Update*.

The District also reserves the right to move previously reallocated administrative expenses from the other county department (County Sanitary Department) back onto the District budget if financial conditions and revenue improve. This accounting procedure will occur on an annual basis where the Sanitary Department will invoice the District for revenue received by the District that is above the projected amount in this *Plan Update* for the given year in question. The amount invoiced shall not be more than \$30,000 annually. This right shall be conducted without requiring a budget table ratification since the reallocation of expense would not exceed historical administrative expenditures and the amount invoiced by the Sanitary Department will be offset by the increase in revenue resulting in a zero-net difference.

For 2020, the first year of the planning period, the following funding levels are projected for each administrative line item and include a brief description of each expense line item:

Program	Program #	2020 Budget	Annual Escalator
Personnel – Salaries and OPERS	Admin-1	\$24,976	2%
Salaries include the cost of employing District staff, and PERS retirement for the employees of the District. This budget the part split between the district and the Sanitary Department.			
Personnel – Workers Compensation, Unemployment, Medicare	Admin-2	\$411	2%
Workers compensation, unemployment expenses and Medicare expenses.			
Personnel – Health Insurance	Admin-3	\$0	Flat
Benefits include the costs of health care insurance.			
Travel	Admin-4	\$300	2%
Travel costs including hotels, mileage, meals and fuel.			
Supplies	Admin-5	\$100	2%
Miscellaneous supplies costs needed by the District for administrative support.			
Equipment	Admin-6	\$0	Flat
Equipment and replacement expenses.			

Program	Program #	2020 Budget	Annual Escalator
Advertising and Printing	Admin-7	\$100	2%
Materials and advertising to promote District programs, as well as waste reduction, recycling and composting to residents, institutions and businesses.			
Rent	Admin-8	\$5,000	2%
Office rental costs.			
Indirect Costs	Admin-9	\$5,500	2%
The County's operating and personnel costs that are allocated to the District, such as the County Prosecutor, Auditor, IS Department, etc.			
Miscellaneous Expense	Admin-10	\$,1000	2%
Includes miscellaneous administrative expenses not covered in other categories.			

For 2020, the first year of the planning period, the District is projecting to spend \$56,425 in administrative expenses.

Residential/Commercial/Industrial Programs

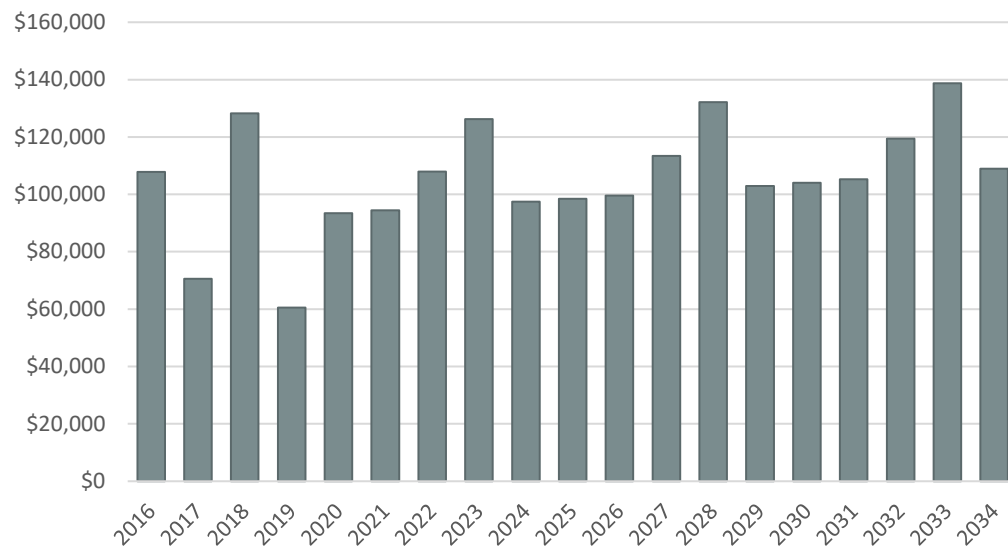
Residential/commercial/industrial programs include all of the programs and services needed to implement this *Plan Update*. For 2020, the first year of the planning period, the following funding levels are projected for each program and include a brief description of each expense line item:

Program	Program #	2020 Budget	Annual Escalator
Curbside Recycling	MC-01	\$0	N/A
Expenses related to supporting curbside recycling in the District.			
Drop-Off Recycling	MC-02	\$0	N/A
Expenses related to supporting drop-off recycling in the District.			
Yard Waste Management	MC-03	\$0	N/A
The District does not incur a cost for this program.			
Household Hazardous Waste Management	MC-04	\$20,000	Flat
The cost of operating the District's county-wide household hazardous waste collection and disposal program. The program may transition to a user fee funded program depending on evaluation of this style of program operation. The District reserves the right to maintain a free annual HHW collection as projected in the planning period. The District is transitioning from every other year HHW collection events to every year during the planning period.			
Lead Acid Battery Management	MC-05	\$0	N/A
The cost of this program is included in MC-04.			
Used Oil Management	MC-06	\$0	N/A
The cost of this program is included in MC-04.			
Scrap Tire Collection	MC-07	\$15,000	Flat
The cost of operating the program and contractor costs.			
Electronics Recycling	MC-08	\$0	N/A
The District does not incur a cost to operate this program.			
Appliance Collection	MC-09	\$0	N/A

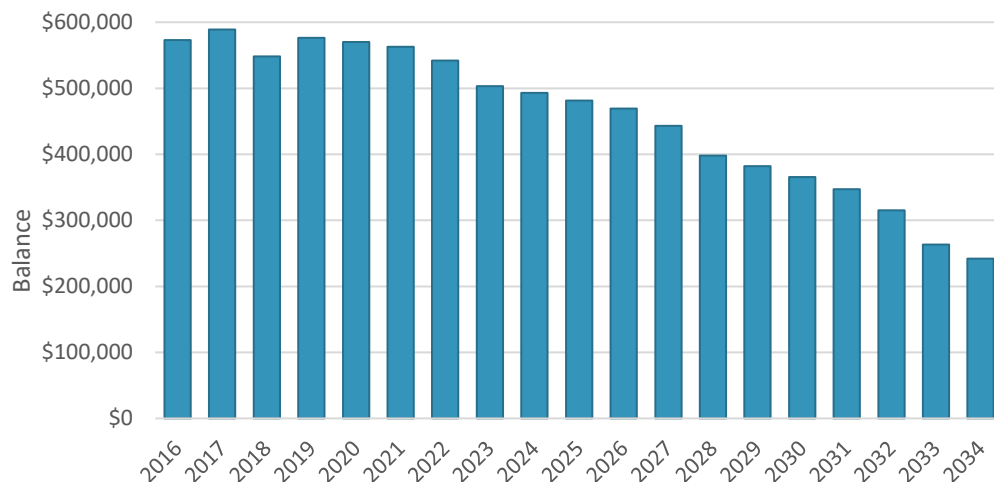
Program	Program #	2020 Budget	Annual Escalator
The cost of operating the program and contractor costs.			
County Office Recycling	MC-10	\$0	N/A
The District does not incur a cost to operate this program.			
Litter Collection	MC-11	\$4,500	2%
The cost of supplies for crews and disposal costs. The County Engineer pays for the crews.			
Market Development Support	MC-12	\$0	N/A
The cost of operating this program includes the purchase of recycled products.			
Education and Awareness	MC-13	\$5,000	Flat
The cost of operating the general recycling awareness and education program for the District.			
Consulting and Legal (Plan Implementation and Monitoring)	MC-14	\$6,550	2%
The costs to contract with a qualified consulting firm to assist the District with plan implementation management, annual district reporting, annual surveying of business, future plan development, special studies and other tasks as assigned by the District Director and/or Board. This line item also includes legal assistance. Future expense projections are escalated during plan preparation years.			
Health Department Funding	MC-15	\$5,000	Flat
The cost of conducting solid waste enforcement, facility inspections, and well testing. Approximately \$3,000 is funded for well testing cost. The Celina Landfill is projected to close, and the inspection routine cover costs associated with closed landfill maintenance.			
Other Facilities	MC-16	\$0	N/A
The cost of operating the program and contractor costs.			

Expense Summary

The District is projecting to spend \$93,437 in 2020, the first year of the planning period and \$108,912 in 2034, the final year of the planning period. The following chart summarizes the District's actual and projected expenses throughout the planning period.

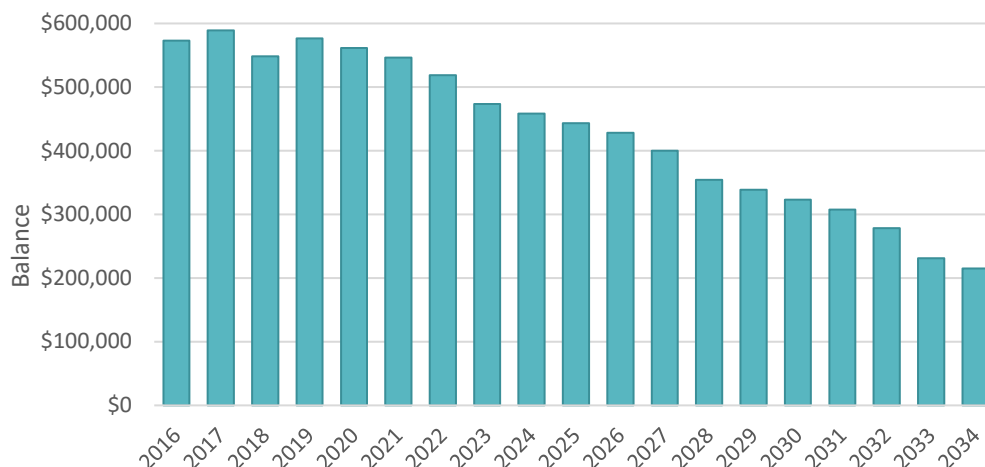
2016 – 2034 District Expenses**Budget A: Rates and Charges**

Based on the projected revenue and expenses detailed in Table VIII-8A, the District's excess fund balance is expected to remain at, or just above, \$200,000 each year. The following graph depicts the projected annual fund balance throughout the planning period:

2016 – 2034 Projected District Fund Balance (Budget A)**Budget B: Contract Fees**

Based on the projected revenue and expenses detailed in Table VIII-8B, the District's excess fund balance is expected to remain at, or just above, \$200,000 each year. The following graph depicts the projected annual fund balance throughout the planning period:

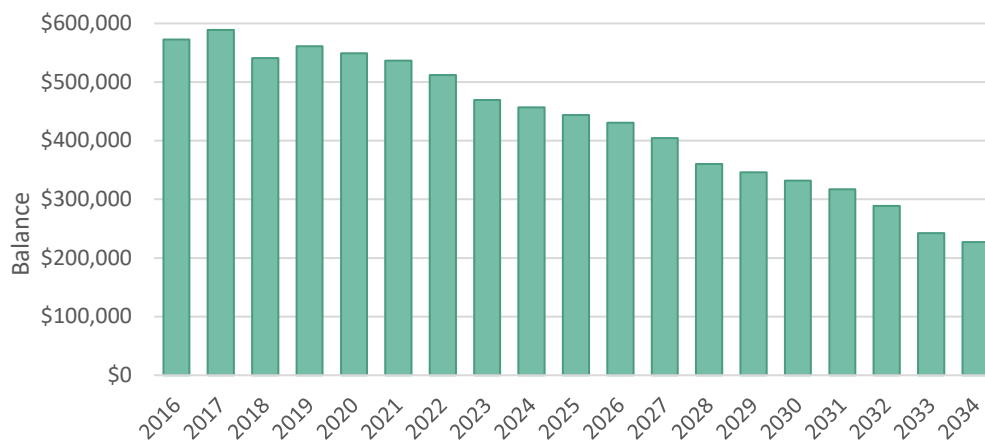
2016 – 2034 Projected District Fund Balance (Budget B)



Budget C: Disposal Fees

Based on the projected revenue and expenses detailed in Table VIII-8C, the District's excess fund balance is expected to remain at, or just above, \$200,000 each year. The following graph depicts the projected annual fund balance throughout the planning period:

2016 – 2034 Projected District Fund Balance (Budget C)

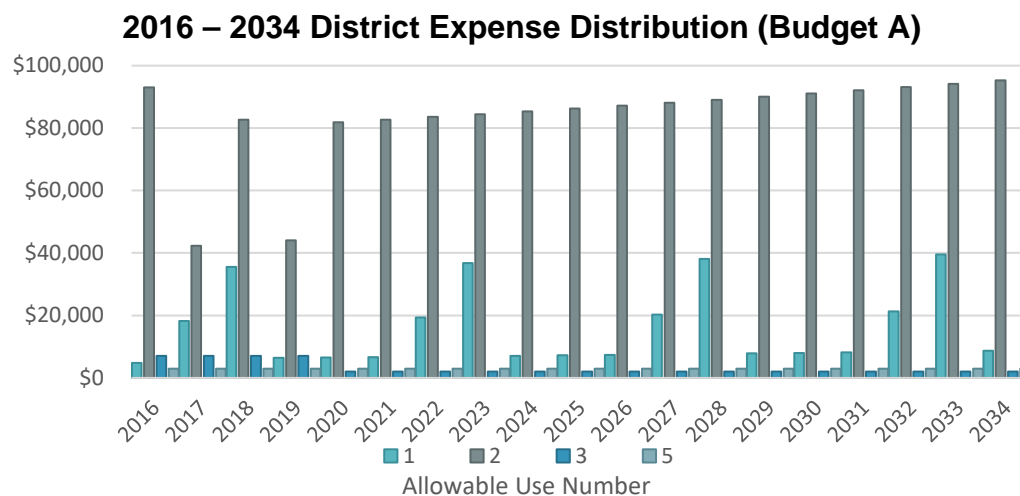
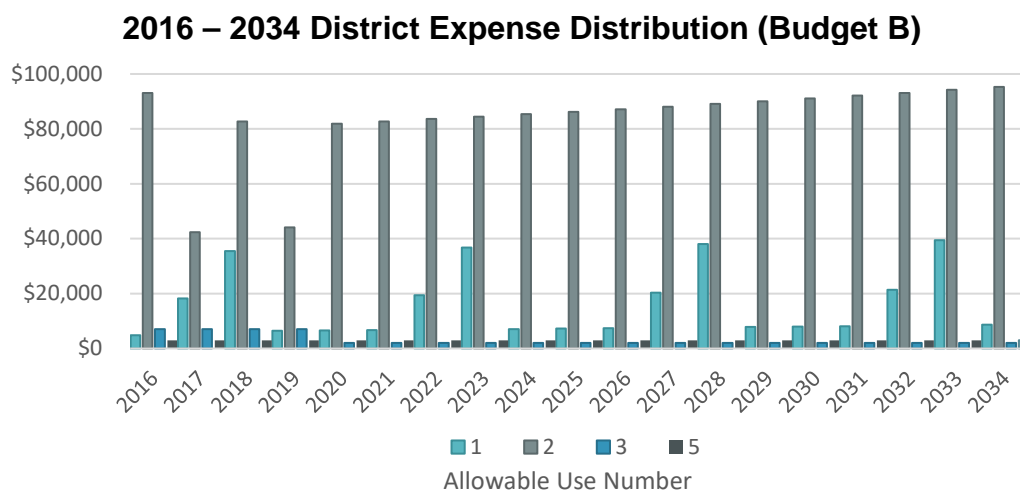
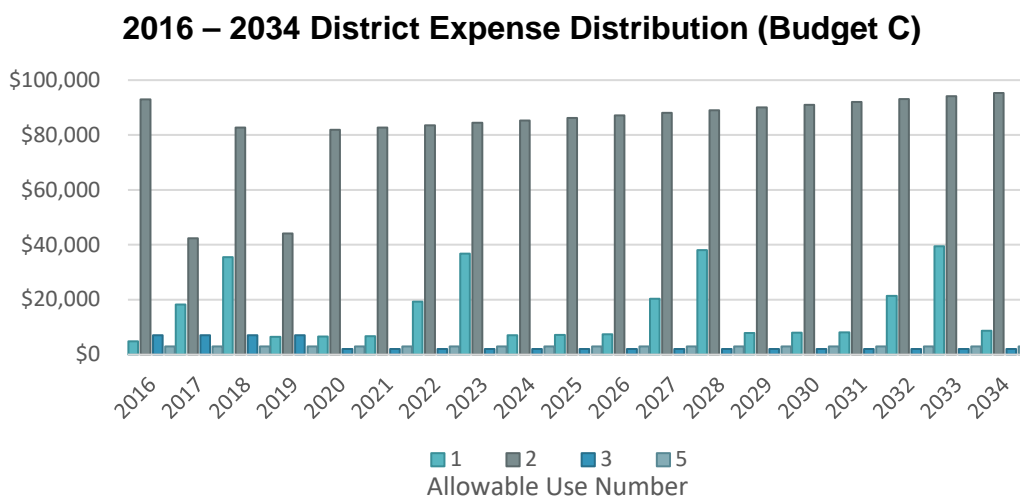


C. Funds Allocated from ORC 3734.57(B), ORC 3734.572 and ORC 3734.573

Table VIII-6A-C, "Revenues and Allocations in Accordance with ORC 3734.57, ORC 3734.572 and ORC 3734.573," presents the District's projected costs for the ten allowed uses:

1	•Preparation and monitoring of plan implementation.
2	•Implementation of approved plan.
3	•Financial assistance to boards of health for solid waste enforcement.
4	•Financial assistance to defray the costs of maintaining roads and other public services related to the location or operation of solid waste facilities.
5	•Contracts with boards of health for collecting and analyzing samples from water wells adjacent to solid waste facilities.
6	•Out-of-state waste inspection program.
7	•Financial assistance to local boards of health to enforce ORC 3734.03 or to local law enforcement agencies having jurisdiction within the District for anti-littering.
8	•Financial assistance to local boards of health for employees to participate in Ohio EPA's training and certification program for solid waste operators and facility inspectors.
9	•Financial assistance to local municipalities and townships to defray the added cost of roads and services related to the operation of solid waste facilities.
10	•Payment of any expenses that are agreed to awarded or ordered to be paid under section 3734.35 of the Revised Code and any administrative costs incurred pursuant to that section.

The District's budget falls into four categories: preparation and monitoring of plan implementation, implementation of the approved plan, financial assistance to boards of health for solid waste enforcement, and financial assistance to boards of health for solid waste enforcement. The following graph depicts the District's annual expense to implement this *Plan Update* based on the expense distribution:

Budget A: Rates and Charges**Budget B: Contract Fees****Budget C: Disposal Fees**

D. Contingent Funding

The District's Policy Committee developed the following contingent funding policy as a last resort mechanism to completely or partially fund the operation of the District. This policy would only be utilized if the current funding mechanism(s) are not adequate to implement this *Plan Update*.

The District would first evaluate if the current funding mechanism could be changed such as raising the funding rate or level before creating a new funding mechanism.

The District may consider implementing any of the following funding mechanisms as a part of this contingent funding policy:

- Generation fees
- Contract fees through designation
- Rates and charges
- Contracts with communities, facilities or other entities
- Any other viable funding mechanism available to the District.

Any funding mechanism implemented that requires a process as defined in the Ohio Revised Code shall be followed by the Policy Committee and or Board of County Commissioners.

E. Summary of Costs and Revenues

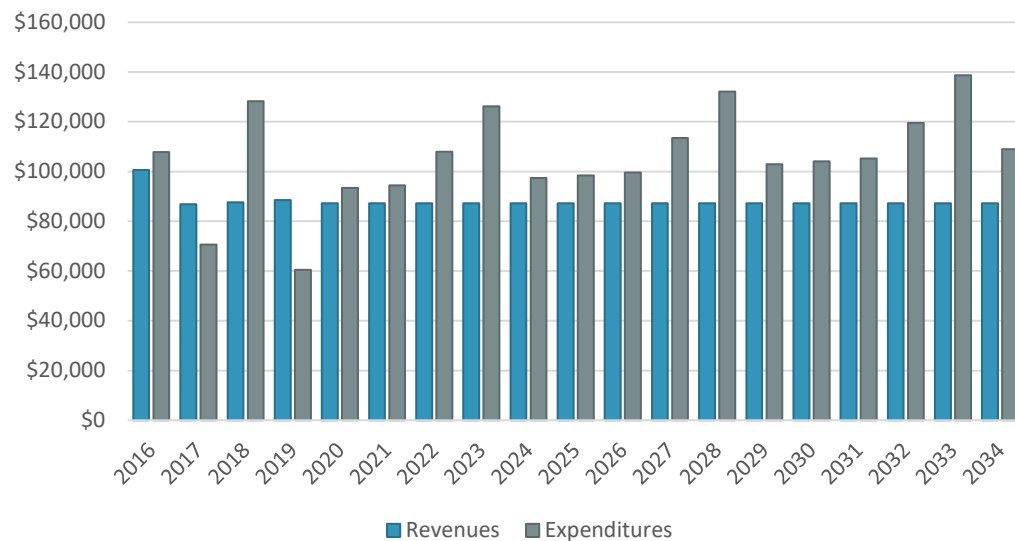
Table VIII-8, "Summary of District Revenues and Expenditures," includes the annual costs for each program and activity for the reference year and each year of the planning period. Each year of the planning period has sufficient funding for each of the programs.

The following graphs depict the three different budget options for actual and projected revenues vs. expenses of the District throughout the planning period:

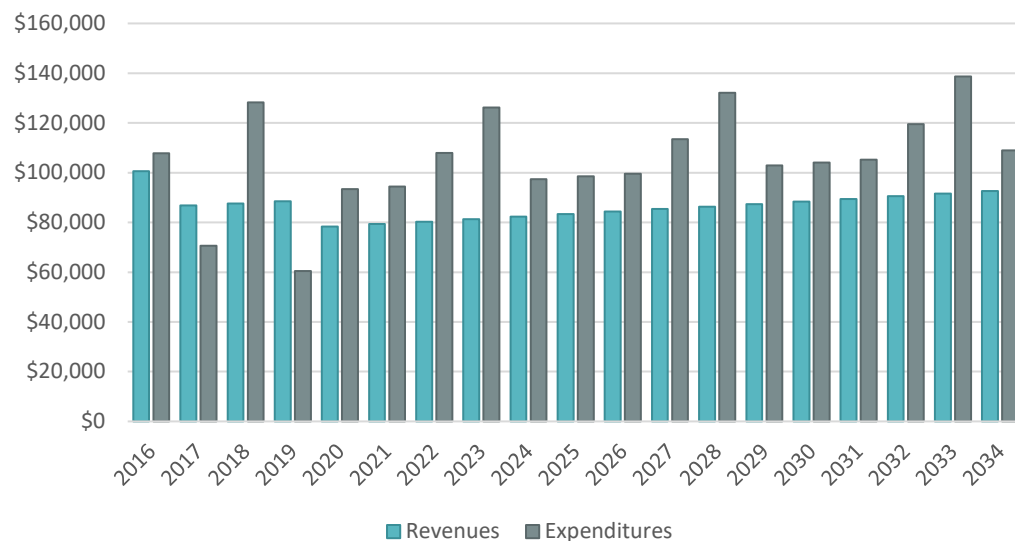
Total expenditures for the first year of the planning period are projected to be \$93,437 and will fluctuate over the planning period ending at \$108,912 in 2034.

Budget A: Rates and Charges

The District is projected to begin the planning period with a carryover balance of \$576,418 and will have an ending balance of approximately \$241,789 in 2034.

2016 – 2034 District Revenue and Expenses (Budget A)**Budget B: Contract Fees**

The District is projected to begin the planning period with a carryover balance of \$576,418 and will have an ending balance of approximately \$215,129 in 2034.

2016 – 2034 District Revenue and Expenses (Budget B)**Budget C: Disposal Fees**

The District is projected to begin the planning period with a carryover balance of \$536,418 and will have an ending balance of approximately \$226,916 in 2034.

2016 – 2034 District Revenue and Expenses (Budget C)



The District reserves the right to move funds between programs and activities, as costs and revenues may increase or decrease during the planning period.

Table VIII-1 (Budgets A & B)
District Disposal Fee Schedule and Revenues Generated

Year	Fee Schedule (\$/ton)			Tons Disposed in the District			Total District Fee Revenue
	In-District	Out-of-District	Out-of-State	In- District (\$2.00/Ton)	Out-of-District (\$4.00/Ton)	Out-of State (\$2.00/Ton)	
2016	\$2.00	\$4.00	\$2.00	10,262	17,041	1.73	\$88,691
2017	\$2.00	\$4.00	\$2.00	10,041	16,684	0.50	\$86,818
2018	\$2.00	\$4.00	\$2.00	10,138	16,845	1	\$87,657
2019	\$2.00	\$4.00	\$2.00	10,236	17,008	1	\$88,504
2020	\$2.00	\$4.00	\$2.00	0	0	0	\$0
2021	\$2.00	\$4.00	\$2.00	0	0	0	\$0
2022	\$2.00	\$4.00	\$2.00	0	0	0	\$0
2023	\$2.00	\$4.00	\$2.00	0	0	0	\$0
2024	\$2.00	\$4.00	\$2.00	0	0	0	\$0
2025	\$2.00	\$4.00	\$2.00	0	0	0	\$0
2026	\$2.00	\$4.00	\$2.00	0	0	0	\$0
2027	\$2.00	\$4.00	\$2.00	0	0	0	\$0
2028	\$2.00	\$4.00	\$2.00	0	0	0	\$0
2029	\$2.00	\$4.00	\$2.00	0	0	0	\$0
2030	\$2.00	\$4.00	\$2.00	0	0	0	\$0
2031	\$2.00	\$4.00	\$2.00	0	0	0	\$0
2032	\$2.00	\$4.00	\$2.00	0	0	0	\$0
2033	\$2.00	\$4.00	\$2.00	0	0	0	\$0
2034	\$2.00	\$4.00	\$2.00	0	0	0	\$0

Table VIII-1C (Budget C)
District Disposal Fee Schedule and Revenues Generated

Year	Fee Schedule (\$/ton)			Tons Disposed in the District			Total District Fee Revenue
	In-District	Out-of-District	Out-of-State	In- District (\$2.00/Ton)	Out-of-District (\$4.00/Ton)	Out-of State (\$2.00/Ton)	
2016	\$2.00	\$4.00	\$2.00	10,262	17,041	1.73	\$88,691
2017	\$2.00	\$4.00	\$2.00	10,041	16,684	0.50	\$86,818
2018	\$2.00	\$4.00	\$2.00	10,235	14,863	0.48	\$79,920
2019	\$2.00	\$4.00	\$2.00	10,334	15,006	0.48	\$80,693
2020	\$2.00	\$4.00	\$2.00	10,433	15,151	0.49	\$81,472
2021	\$2.00	\$4.00	\$2.00	10,534	15,298	0.49	\$82,260
2022	\$2.00	\$4.00	\$2.00	10,636	15,445	0.50	\$83,054
2023	\$2.00	\$4.00	\$2.00	10,739	15,595	0.50	\$83,857
2024	\$2.00	\$4.00	\$2.00	10,843	15,745	0.51	\$84,667
2025	\$2.00	\$4.00	\$2.00	10,947	15,897	0.51	\$85,485
2026	\$2.00	\$4.00	\$2.00	11,053	16,051	0.52	\$86,311
2027	\$2.00	\$4.00	\$2.00	11,160	16,206	0.52	\$87,145
2028	\$2.00	\$4.00	\$2.00	11,268	16,363	0.53	\$87,987
2029	\$2.00	\$4.00	\$2.00	11,377	16,521	0.53	\$88,837
2030	\$2.00	\$4.00	\$2.00	11,487	16,680	0.54	\$89,696
2031	\$2.00	\$4.00	\$2.00	11,598	16,842	0.54	\$90,562
2032	\$2.00	\$4.00	\$2.00	11,710	17,004	0.55	\$91,437
2033	\$2.00	\$4.00	\$2.00	11,823	17,169	0.55	\$92,321
2034	\$2.00	\$4.00	\$2.00	11,937	17,334	0.56	\$93,213

**Table VIII-2
Generation Fee Schedule and Revenues**

Year	Base Generation Fee	Tons of District Waste to be Disposed	Total Generation Fee Revenue
2016	Not Applicable		\$0.00
2017			\$0.00
2018			\$0.00
2019			\$0.00
2020			\$0.00
2021			\$0.00
2022			\$0.00
2023			\$0.00
2024			\$0.00
2025			\$0.00
2026			\$0.00
2027			\$0.00
2028			\$0.00
2029			\$0.00
2030			\$0.00
2031			\$0.00
2032			\$0.00
2033			\$0.00
2034			\$0.00

Table VIII-3A (Budget A)
Summary of Revenue Generated and Mechanisms Used

Year	Type of Revenue Mechanism and Amount Used					Total Revenue Generated
	District Disposal Fees	Parcel Assessment Fees	Reimbursements	Grants	Other	
2016	\$88,691	\$0	\$5.95	\$9,548	\$2,357	\$100,601
2017	\$86,818	\$0	\$0	\$0	\$0	\$86,818
2018	\$87,657	\$0	\$0	\$0	\$0	\$87,657
2019	\$88,504	\$0	\$0	\$0	\$0	\$88,504
2020	\$0	\$87,175	\$0	\$0	\$0	\$87,175
2021	\$0	\$87,175	\$0	\$0	\$0	\$87,175
2022	\$0	\$87,175	\$0	\$0	\$0	\$87,175
2023	\$0	\$87,175	\$0	\$0	\$0	\$87,175
2024	\$0	\$87,175	\$0	\$0	\$0	\$87,175
2025	\$0	\$87,175	\$0	\$0	\$0	\$87,175
2026	\$0	\$87,175	\$0	\$0	\$0	\$87,175
2027	\$0	\$87,175	\$0	\$0	\$0	\$87,175
2028	\$0	\$87,175	\$0	\$0	\$0	\$87,175
2029	\$0	\$87,175	\$0	\$0	\$0	\$87,175
2030	\$0	\$87,175	\$0	\$0	\$0	\$87,175
2031	\$0	\$87,175	\$0	\$0	\$0	\$87,175
2032	\$0	\$87,175	\$0	\$0	\$0	\$87,175
2033	\$0	\$87,175	\$0	\$0	\$0	\$87,175
2034	\$0	\$87,175	\$0	\$0	\$0	\$87,175

Source(s) of information:

2016 - Quarterly Fee Reports

2015-2034 Disposal Fees and Contract Fees - Calculated from tonnage in Table VIII-1

Table VIII-3B (Budget B)
Summary of Revenue Generated and Mechanisms Used

Year	Type of Revenue Mechanism and Amount Used					Total Revenue Generated
	District Disposal Fees	Contract Fees	Reimbursements	Grants	Other	
2016	\$88,691	\$0	\$5.95	\$9,548	\$2,357	\$100,601
2017	\$86,818	\$0	\$0	\$0	\$0	\$86,818
2018	\$87,657	\$0	\$0	\$0	\$0	\$87,657
2019	\$88,504	\$0	\$0	\$0	\$0	\$88,504
2020	\$0	\$78,329	\$0	\$0	\$0	\$78,329
2021	\$0	\$79,313	\$0	\$0	\$0	\$79,313
2022	\$0	\$80,307	\$0	\$0	\$0	\$80,307
2023	\$0	\$81,312	\$0	\$0	\$0	\$81,312
2024	\$0	\$82,327	\$0	\$0	\$0	\$82,327
2025	\$0	\$83,357	\$0	\$0	\$0	\$83,357
2026	\$0	\$84,348	\$0	\$0	\$0	\$84,348
2027	\$0	\$85,349	\$0	\$0	\$0	\$85,349
2028	\$0	\$86,359	\$0	\$0	\$0	\$86,359
2029	\$0	\$87,378	\$0	\$0	\$0	\$87,378
2030	\$0	\$88,412	\$0	\$0	\$0	\$88,412
2031	\$0	\$89,455	\$0	\$0	\$0	\$89,455
2032	\$0	\$90,508	\$0	\$0	\$0	\$90,508
2033	\$0	\$91,571	\$0	\$0	\$0	\$91,571
2034	\$0	\$92,645	\$0	\$0	\$0	\$92,645

Source(s) of information:

2016 - Quarterly Fee Reports

2015-2034 Disposal Fees and Contract Fees - Calculated from tonnage in Table VIII-1

Table VIII-3C (Budget C)
Summary of Revenue Generated and Mechanisms Used

Year	Type of Revenue Mechanism and Amount Used					Total Revenue Generated
	District Disposal Fees	Contract Fees	Reimbursements	Grants	Other	
2016	\$88,691	\$0	\$5.95	\$9,548	\$2,357	\$100,601
2017	\$86,818	\$0	\$0	\$0	\$0	\$86,818
2018	\$79,920	\$0	\$0	\$0	\$0	\$79,920
2019	\$80,693	\$0	\$0	\$0	\$0	\$80,693
2020	\$81,472	\$0	\$0	\$0	\$0	\$81,472
2021	\$82,260	\$0	\$0	\$0	\$0	\$82,260
2022	\$83,054	\$0	\$0	\$0	\$0	\$83,054
2023	\$83,857	\$0	\$0	\$0	\$0	\$83,857
2024	\$84,667	\$0	\$0	\$0	\$0	\$84,667
2025	\$85,485	\$0	\$0	\$0	\$0	\$85,485
2026	\$86,311	\$0	\$0	\$0	\$0	\$86,311
2027	\$87,145	\$0	\$0	\$0	\$0	\$87,145
2028	\$87,987	\$0	\$0	\$0	\$0	\$87,987
2029	\$88,837	\$0	\$0	\$0	\$0	\$88,837
2030	\$89,696	\$0	\$0	\$0	\$0	\$89,696
2031	\$90,562	\$0	\$0	\$0	\$0	\$90,562
2032	\$91,437	\$0	\$0	\$0	\$0	\$91,437
2033	\$92,321	\$0	\$0	\$0	\$0	\$92,321
2034	\$93,213	\$0	\$0	\$0	\$0	\$93,213

Source(s) of information:

2016 - Quarterly Fee Reports

2015-2034 Disposal Fees and Contract Fees - Calculated from tonnage in Table VIII-1

**Table VIII-4
Anticipated Loans Secured by the District**

Year	Loans Obtained by the District		Interest Rate	Length of Loan	Annual Debt Service
	Lending Institution	Loan Amount			
2016	N/A	\$0.00	N/A	0	0
2017	N/A	\$0.00	N/A	0	0
2018	N/A	\$0.00	N/A	0	0
2019	N/A	\$0.00	N/A	0	0
2020	N/A	\$0.00	N/A	0	0
2021	N/A	\$0.00	N/A	0	0
2022	N/A	\$0.00	N/A	0	0
2023	N/A	\$0.00	N/A	0	0
2024	N/A	\$0.00	N/A	0	0
2025	N/A	\$0.00	N/A	0	0
2026	N/A	\$0.00	N/A	0	0
2027	N/A	\$0.00	N/A	0	0
2028	N/A	\$0.00	N/A	0	0
2029	N/A	\$0.00	N/A	0	0
2030	N/A	\$0.00	N/A	0	0
2031	N/A	\$0.00	N/A	0	0
2032	N/A	\$0.00	N/A	0	0
2033	N/A	\$0.00	N/A	0	0
2034	N/A	\$0.00	N/A	0	0

Table VIII-5
Estimated Costs for Plan Implementation

Description	Program #	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
District Administration Budget																				
Payroll Expenditures																				
Personnel - Salaries and OPERS	Admin-1	\$32,082	\$23,535	\$24,006	\$24,486	\$24,976	\$25,476	\$25,985	\$26,505	\$27,035	\$27,576	\$28,127	\$28,680	\$29,263	\$29,849	\$30,446	\$31,055	\$31,676	\$32,309	\$32,955
Personnel - Workers Comp, Unemployment, Medicare	Admin-2	\$253	\$258	\$263	\$269	\$411	\$419	\$428	\$436	\$445	\$454	\$463	\$472	\$481	\$491	\$501	\$511	\$521	\$532	\$542
Personnel - Health Insurance	Admin-3	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Travel	Admin-4	\$243	\$237	\$242	\$247	\$300	\$306	\$312	\$318	\$325	\$331	\$338	\$345	\$351	\$359	\$366	\$373	\$380	\$388	\$396
Supplies	Admin-5	\$25	\$24	\$24	\$25	\$100	\$102	\$104	\$106	\$108	\$110	\$113	\$115	\$117	\$120	\$122	\$124	\$127	\$129	\$132
Equipment	Admin-6	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Advertising and Printing	Admin-7	\$0	\$0	\$0	\$0	\$100	\$102	\$104	\$106	\$108	\$110	\$113	\$115	\$117	\$120	\$122	\$124	\$127	\$129	\$132
Rent	Admin-8	\$4,083	\$3,974	\$4,054	\$4,135	\$5,000	\$5,100	\$5,202	\$5,306	\$5,412	\$5,520	\$5,631	\$5,743	\$5,858	\$5,975	\$6,095	\$6,217	\$6,341	\$6,468	\$6,597
Indirect Expenses (County)	Admin-9	\$5,209	\$5,071	\$5,173	\$5,276	\$5,500	\$5,610	\$5,722	\$5,837	\$5,953	\$6,072	\$6,194	\$6,318	\$6,444	\$6,573	\$6,704	\$6,839	\$6,975	\$7,115	\$7,257
Misc. Expenses	Admin-10	\$701	\$683	\$696	\$710	\$1,000	\$1,020	\$1,040	\$1,061	\$1,082	\$1,104	\$1,126	\$1,149	\$1,172	\$1,195	\$1,219	\$1,243	\$1,268	\$1,294	\$1,319
Subtotal		\$42,597	\$33,783	\$34,458	\$35,148	\$37,387	\$38,135	\$38,897	\$39,675	\$40,469	\$41,278	\$42,104	\$42,946	\$43,805	\$44,681	\$45,575	\$46,486	\$47,416	\$48,364	\$49,331
Administrative/District Facilities, Supplies, and Support Services																				
Curbside Recycling	MC-01	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Drop-Off Recycling	MC-02	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Yard Waste Management	MC-03	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Household Hazardous Waste Management	MC-04	\$19,894	\$450	\$20,000	\$500	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000
Lead Acid Battery Management	MC-05	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Use Oil Management	MC-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Scrap Tire Management	MC-07	\$21,975	\$0	\$20,000	\$0	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000
Electronics Management	MC-08	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Appliance Collection	MC-09	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
County Office Recycling	MC-10	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Litter Collection	MC-11	\$4,789	\$4,262	\$4,347	\$4,434	\$4,500	\$4,590	\$4,682	\$4,775	\$4,871	\$4,968	\$5,068	\$5,169	\$5,272	\$5,378	\$5,485	\$5,595	\$5,707	\$5,821	\$5,938
Market Development Support	MC-12	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Education and Awareness	MC-13	\$3,780	\$3,843	\$3,920	\$3,998	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000
Plan Implementation, Preparation and	MC-14	\$4,815	\$18,242	\$35,536	\$6,422	\$6,550	\$6,681	\$19,342	\$36,776	\$7,090	\$7,232	\$7,377	\$20,302	\$38,096	\$7,828	\$7,985	\$8,144	\$21,341	\$39,504	\$8,643
Health Department Funding	MC-15	\$10,000	\$10,000	\$10,000	\$10,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000
Other Facilities	MC-16	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal		\$65,254	\$36,797	\$93,803	\$25,354	\$56,050	\$56,271	\$69,024	\$86,552	\$59,961	\$57,200	\$57,444	\$70,471	\$88,369	\$59,206	\$58,470	\$58,739	\$72,048	\$90,325	\$59,580
Totals		\$107,850	\$70,580	\$128,261	\$60,501	\$93,437	\$94,406	\$107,922	\$126,227	\$97,430	\$98,479	\$99,548	\$113,417	\$132,174	\$102,887	\$104,045	\$105,225	\$119,464	\$138,899	\$108,931

Table VIII-6A (Budget A)
Revenues and Allocations in Accordance with ORC 3734.57, ORC 3734.572 and ORC 3734.573

Year	Total Annual Revenue (\$)	Allocations of ORC 3734.57 and ORC 3734.573 Revenue For the Following Purposes:											Year-End Balance (\$)
		1	2	3	4	5	6	7	8	9	10	Total Budget Allocation (\$)	
Beginning Balance													\$580,030
2016	\$100,601	\$4,815	\$93,036	\$7,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$107,850	\$572,782
2017	\$86,818	\$18,242	\$42,337	\$7,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$70,580	\$589,020
2018	\$87,657	\$35,536	\$82,725	\$7,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$128,261	\$548,415
2019	\$88,504	\$6,422	\$44,079	\$7,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$60,501	\$576,418
2020	\$87,175	\$6,550	\$81,887	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$93,437	\$570,156
2021	\$87,175	\$6,681	\$82,725	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$94,406	\$562,926
2022	\$87,175	\$19,342	\$83,579	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$107,922	\$542,180
2023	\$87,175	\$36,776	\$84,451	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$126,227	\$503,128
2024	\$87,175	\$7,090	\$85,340	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$97,430	\$492,873
2025	\$87,175	\$7,232	\$86,247	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$98,479	\$481,570
2026	\$87,175	\$7,377	\$87,172	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$99,548	\$469,198
2027	\$87,175	\$20,302	\$88,115	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$113,417	\$442,956
2028	\$87,175	\$38,096	\$89,077	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$132,174	\$397,958
2029	\$87,175	\$7,828	\$90,059	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$102,887	\$382,246
2030	\$87,175	\$7,985	\$91,060	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$104,045	\$365,377
2031	\$87,175	\$8,144	\$92,081	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$105,225	\$347,327
2032	\$87,175	\$21,341	\$93,123	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$119,464	\$315,039
2033	\$87,175	\$39,504	\$94,185	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$138,689	\$263,525
2034	\$87,175	\$8,643	\$95,269	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$108,912	\$241,789

Notes:

- 1 - Preparation and monitoring of plan implementation.
- 2 - Implementation of approved plan.
- 3 - Financial assistance to boards of health for solid waste enforcement.
- 4 - Financial assistance to defray the costs of maintaining roads and other public services related to the location or operation of solid waste facilities.
- 5 - Contracts with boards of health for collecting and analyzing samples from water wells adjacent to solid waste facilities.
- 6 - Out-of-state waste inspection program.
- 7 - Financial assistance to local boards of health to enforce ORC 3734.03 or to local law enforcement agencies having jurisdiction within the District for anti-littering.
- 8 - Financial assistance to local boards of health for employees to participate in Ohio EPA's training and certification program for solid waste operators and facility inspectors.
- 9 - Financial assistance to local municipalities and townships to defray the added cost of roads and services related to the operation of solid waste facilities.
- 10 - Payment of any expenses that are agreed to awarded or ordered to be paid under section 3734.35 of the Revised Code and any administrative costs incurred pursuant to that section.

Table VIII-6A (Budget B)
Revenues and Allocations in Accordance with ORC 3734.57, ORC 3734.572 and ORC 3734.573

Year	Total Annual Revenue (\$)	Allocations of ORC 3734.57 and ORC 3734.573 Revenue For the Following Purposes:											Total Budget Allocation (\$)	Year-End Balance (\$)
		1	2	3	4	5	6	7	8	9	10			
Beginning Balance													\$580,030	
2016	\$100,601	\$4,815	\$93,036	\$7,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$107,850	\$572,782	
2017	\$86,818	\$18,242	\$42,337	\$7,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$70,580	\$589,020	
2018	\$87,657	\$35,536	\$82,725	\$7,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$128,261	\$548,415	
2019	\$88,504	\$6,422	\$44,079	\$7,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$60,501	\$576,418	
2020	\$78,329	\$6,550	\$81,887	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$93,437	\$561,310	
2021	\$79,313	\$6,681	\$82,725	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$94,406	\$546,217	
2022	\$80,307	\$19,342	\$83,579	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$107,922	\$518,602	
2023	\$81,312	\$36,776	\$84,451	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$126,227	\$473,687	
2024	\$82,327	\$7,090	\$85,340	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$97,430	\$458,584	
2025	\$83,357	\$7,232	\$86,247	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$98,479	\$443,463	
2026	\$84,348	\$7,377	\$87,172	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$99,548	\$428,263	
2027	\$85,349	\$20,302	\$88,115	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$113,417	\$400,195	
2028	\$86,359	\$38,096	\$89,077	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$132,174	\$354,380	
2029	\$87,378	\$7,828	\$90,059	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$102,887	\$338,872	
2030	\$88,412	\$7,985	\$91,060	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$104,045	\$323,239	
2031	\$89,455	\$8,144	\$92,081	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$105,225	\$307,469	
2032	\$90,508	\$21,341	\$93,123	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$119,464	\$278,513	
2033	\$91,571	\$39,504	\$94,185	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$138,689	\$231,396	
2034	\$92,645	\$8,643	\$95,269	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$108,912	\$215,129	

Notes:

- 1 - Preparation and monitoring of plan implementation.
- 2 - Implementation of approved plan.
- 3 - Financial assistance to boards of health for solid waste enforcement.
- 4 - Financial assistance to defray the costs of maintaining roads and other public services related to the location or operation of solid waste facilities.
- 5 - Contracts with boards of health for collecting and analyzing samples from water wells adjacent to solid waste facilities.
- 6 - Out-of-state waste inspection program.
- 7 - Financial assistance to local boards of health to enforce ORC 3734.03 or to local law enforcement agencies having jurisdiction within the District for anti-littering.
- 8 - Financial assistance to local boards of health for employees to participate in Ohio EPA's training and certification program for solid waste operators and facility inspectors.
- 9 - Financial assistance to local municipalities and townships to defray the added cost of roads and services related to the operation of solid waste facilities.
- 10 - Payment of any expenses that are agreed to awarded or ordered to be paid under section 3734.35 of the Revised Code and any administrative costs incurred pursuant to that section.

Table VIII-6A (Budget C)
Revenues and Allocations in Accordance with ORC 3734.57, ORC 3734.572 and ORC 3734.573

Year	Total Annual Revenue (\$)	Allocations of ORC 3734.57 and ORC 3734.573 Revenue For the Following Purposes:										Total Budget Allocation (\$)	Year-End Balance (\$)
		1	2	3	4	5	6	7	8	9	10		
Beginning Balance												\$580,030	
2016	\$100,601	\$4,815	\$93,036	\$7,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$107,850	\$572,782
2017	\$86,818	\$18,242	\$42,337	\$7,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$70,580	\$589,020
2018	\$79,920	\$35,536	\$82,725	\$7,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$128,261	\$540,679
2019	\$80,693	\$6,422	\$44,079	\$7,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$60,501	\$560,871
2020	\$81,472	\$6,550	\$81,887	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$93,437	\$548,906
2021	\$82,260	\$6,681	\$82,725	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$94,406	\$536,760
2022	\$83,054	\$19,342	\$83,579	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$107,922	\$511,893
2023	\$83,857	\$36,776	\$84,451	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$126,227	\$469,522
2024	\$84,667	\$7,090	\$85,340	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$97,430	\$456,759
2025	\$85,485	\$7,232	\$86,247	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$98,479	\$443,766
2026	\$86,311	\$7,377	\$87,172	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$99,548	\$430,529
2027	\$87,145	\$20,302	\$88,115	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$113,417	\$404,257
2028	\$87,987	\$38,096	\$89,077	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$132,174	\$360,071
2029	\$88,837	\$7,828	\$90,059	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$102,887	\$346,021
2030	\$89,696	\$7,985	\$91,060	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$104,045	\$331,672
2031	\$90,562	\$8,144	\$92,081	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$105,225	\$317,009
2032	\$91,437	\$21,341	\$93,123	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$119,464	\$288,983
2033	\$92,321	\$39,504	\$94,185	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$138,689	\$242,615
2034	\$93,213	\$8,643	\$95,269	\$2,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$108,912	\$226,916

Notes:

- 1 - Preparation and monitoring of plan implementation.
- 2 - Implementation of approved plan.
- 3 - Financial assistance to boards of health for solid waste enforcement.
- 4 - Financial assistance to defray the costs of maintaining roads and other public services related to the location or operation of solid waste facilities.
- 5 - Contracts with boards of health for collecting and analyzing samples from water wells adjacent to solid waste facilities.
- 6 - Out-of-state waste inspection program.
Financial assistance to local boards of health to enforce ORC 3734.03 or to local law enforcement agencies having jurisdiction within the District for anti-littering.
- 7 - littering.
Financial assistance to local boards of health for employees to participate in Ohio EPA's training and certification program for solid waste operators and facility inspectors.
- 8 - facility inspectors.
- 9 - Financial assistance to local municipalities and townships to defray the added cost of roads and services related to the operation of solid waste facilities.
Payment of any expenses that are agreed to awarded or ordered to be paid under section 3734.35 of the Revised Code and any administrative costs
- 10 - incurred pursuant to that section.

**Table VIII-7
Contingent Funding Sources**

Year	Amount of Contingent Funding for Each Source		Total
	Generation Fee Revenue	Total Tons	
2016	See Narrative in Section VIII		
2017			
2018			
2019			
2020			
2021			
2022			
2023			
2024			
2025			
2026			
2027			
2028			
2029			
2030			
2031			
2032			
2033			
2034			
2035			

Note: Actual contingent funding amounts will depend on what scenario is encountered by the District. See narrative in Section VIII for specific contingency procedures.

Table VIII-8A (Budget A)
Rate and Charge
\$4.50

Summary of District Revenues and Expenditures

Description	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Beginning Balance	\$580,030	\$572,782	\$589,020	\$548,415	\$576,418	\$570,156	\$562,026	\$542,180	\$503,128	\$492,873	\$481,570	\$469,198	\$442,956	\$397,958	\$382,246	\$366,377	\$347,327	\$315,039	\$263,525
Revenues																			
District Disposal Fees	\$88,691	\$86,818	\$87,657	\$88,504	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Generation Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Parcel Assessment Fees	\$0	\$0	\$0	\$0	\$87,175	\$87,175	\$87,175	\$87,175	\$87,175	\$87,175	\$87,175	\$87,175	\$87,175	\$87,175	\$87,175	\$87,175	\$87,175	\$87,175	\$87,175
Reimbursements	\$6	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grants	\$9,548	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Recycling Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Tipping Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
User Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$2,357	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Revenue	\$100,001	\$86,818	\$87,657	\$88,504	\$87,175	\$87,175	\$87,175	\$87,175	\$87,175	\$87,175	\$87,175	\$87,175	\$87,175	\$87,175	\$87,175	\$87,175	\$87,175	\$87,175	\$87,175
Expenditures																			
Program #																			
Personnel - Salaries and OPERS	Admin-1	\$32,082	\$23,535	\$24,006	\$24,486	\$24,976	\$25,476	\$25,985	\$26,505	\$27,035	\$27,576	\$28,127	\$28,680	\$29,263	\$29,849	\$30,446	\$31,055	\$31,676	\$32,309
Personnel - Workers Comp, Unemployment, Medicare	Admin-2	\$253	\$258	\$263	\$269	\$411	\$419	\$428	\$436	\$445	\$454	\$463	\$472	\$481	\$491	\$501	\$511	\$521	\$532
Personnel - Health Insurance	Admin-3	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Travel	Admin-4	\$243	\$237	\$242	\$247	\$300	\$306	\$312	\$318	\$325	\$331	\$338	\$345	\$351	\$359	\$366	\$373	\$380	\$386
Supplies	Admin-5	\$25	\$24	\$24	\$25	\$100	\$102	\$104	\$106	\$108	\$110	\$113	\$115	\$117	\$120	\$122	\$124	\$127	\$129
Equipment	Admin-6	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Advertising and Printing	Admin-7	\$0	\$0	\$0	\$0	\$100	\$102	\$104	\$106	\$108	\$110	\$113	\$115	\$117	\$120	\$122	\$124	\$127	\$129
Rent	Admin-8	\$4,083	\$3,974	\$4,054	\$4,135	\$5,100	\$5,100	\$5,202	\$5,306	\$5,412	\$5,520	\$5,631	\$5,748	\$5,868	\$5,975	\$6,085	\$6,217	\$6,341	\$6,597
Indirect Expenses (County)	Admin-9	\$5,209	\$5,071	\$5,173	\$5,276	\$5,500	\$5,610	\$5,722	\$5,837	\$5,953	\$6,072	\$6,194	\$6,318	\$6,444	\$6,573	\$6,704	\$6,839	\$6,975	\$7,115
Misc. Expenses	Admin-10	\$701	\$683	\$696	\$710	\$1,000	\$1,020	\$1,040	\$1,061	\$1,082	\$1,104	\$1,126	\$1,149	\$1,172	\$1,195	\$1,219	\$1,243	\$1,268	\$1,294
Subtotal		\$42,597	\$33,783	\$34,456	\$35,148	\$37,387	\$38,135	\$38,897	\$39,675	\$40,469	\$41,278	\$42,104	\$42,946	\$43,805	\$44,681	\$45,575	\$46,486	\$47,416	\$48,364
Administrative/District Facilities, Supplies, and Support Services																			
Curb Side Recycling	MC-01	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Drop-Off Recycling	MC-02	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Yard Waste Management	MC-03	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Household Hazardous Waste Management	MC-04	\$19,894	\$450	\$20,000	\$900	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000
Lead Acid Battery Management	MC-05	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Use Oil Management	MC-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Scrap Tire Management	MC-07	\$21,975	\$0	\$20,000	\$0	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000
Electronics Management	MC-08	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Appliance Collection	MC-09	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
County Office Recycling	MC-10	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Litter Collection	MC-11	\$4,789	\$4,262	\$4,347	\$4,434	\$4,500	\$4,590	\$4,682	\$4,775	\$4,871	\$4,968	\$5,068	\$5,169	\$5,272	\$5,378	\$5,485	\$5,595	\$5,707	\$5,821
Market Development Support	MC-12	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Education and Awareness	MC-13	\$3,780	\$3,843	\$3,920	\$3,998	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000
Plan Implementation, Preparation and Monitoring	MC-14	\$4,815	\$18,242	\$35,536	\$6,422	\$6,550	\$6,681	\$19,342	\$36,776	\$7,090	\$7,232	\$7,377	\$20,302	\$38,096	\$7,828	\$7,985	\$8,144	\$21,341	\$39,504
Health Department Funding	MC-15	\$10,000	\$10,000	\$10,000	\$10,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000
Other Facilities	MC-16	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal		\$65,254	\$36,797	\$93,803	\$25,354	\$56,050	\$56,271	\$59,024	\$96,552	\$56,961	\$57,200	\$57,444	\$70,471	\$88,369	\$58,206	\$58,470	\$58,739	\$72,048	\$90,325
Total Expenditures		\$107,850	\$70,580	\$128,251	\$60,501	\$93,437	\$94,406	\$107,922	\$126,227	\$97,430	\$98,479	\$99,548	\$113,417	\$132,174	\$102,887	\$104,045	\$105,225	\$119,464	\$138,689
Difference		\$-7,749	\$16,238	\$-40,605	\$28,003	\$-6,262	\$-7,230	\$-49,852	\$-10,254	\$11,303	\$-12,373	\$-26,242	\$-26,242	\$-44,998	\$-15,711	\$-16,869	\$-32,288	\$-51,514	\$-42,736
Ending Balance		\$572,782	\$589,020	\$548,415	\$576,418	\$570,156	\$562,026	\$542,180	\$503,128	\$492,873	\$481,570	\$469,198	\$442,956	\$397,958	\$382,246	\$366,377	\$347,327	\$315,039	\$263,525

Table VIII-BB (Budget B)
Designation Fee
\$3.50

Summary of District Revenues and Expenditures

Description	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Beginning Balance	\$590,030	\$572,782	\$580,020	\$548,415	\$576,418	\$561,310	\$546,217	\$518,602	\$473,687	\$458,594	\$445,463	\$428,263	\$400,195	\$354,380	\$338,872	\$323,239	\$307,469	\$278,513	\$231,396
Revenues																			
District Disposal Fees	\$98,691	\$96,818	\$97,657	\$98,504	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Generation Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Parcel Assessment Fees	\$0	\$0	\$0	\$0	\$78,329	\$79,313	\$80,307	\$81,312	\$82,327	\$83,357	\$84,348	\$85,349	\$86,359	\$87,378	\$88,412	\$89,455	\$90,508	\$91,571	\$92,645
Reimbursements	\$9,548	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Recycling Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Transfer Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Landfill Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other Revenues	\$2,357	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Revenue	\$100,601	\$96,818	\$97,657	\$98,504	\$78,329	\$79,313	\$80,307	\$81,312	\$82,327	\$83,357	\$84,348	\$85,349	\$86,359	\$87,378	\$88,412	\$89,455	\$90,508	\$91,571	\$92,645
Expenditures																			
Personnel - Salaries and OPERS	\$32,082	\$23,535	\$24,006	\$24,496	\$24,976	\$25,476	\$25,985	\$26,505	\$27,035	\$27,576	\$28,127	\$28,690	\$29,263	\$29,849	\$30,446	\$31,055	\$31,676	\$32,309	\$32,955
Personnel - Workers Comp, Unemployment, Medicare	\$253	\$258	\$263	\$269	\$274	\$279	\$284	\$289	\$294	\$299	\$304	\$309	\$314	\$319	\$324	\$329	\$334	\$339	\$344
Personnel - Health Insurance	\$243	\$237	\$242	\$247	\$252	\$257	\$262	\$267	\$272	\$277	\$282	\$287	\$292	\$297	\$302	\$307	\$312	\$317	\$322
Travel	\$25	\$24	\$24	\$25	\$25	\$26	\$26	\$27	\$27	\$28	\$28	\$29	\$29	\$30	\$30	\$31	\$31	\$32	\$32
Supplies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Advertising and Printing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rent	\$4,083	\$3,974	\$4,064	\$4,155	\$4,246	\$4,337	\$4,428	\$4,519	\$4,610	\$4,701	\$4,792	\$4,883	\$4,974	\$5,065	\$5,156	\$5,247	\$5,338	\$5,429	\$5,520
Indirect Expenses (County)	\$5,289	\$5,071	\$5,173	\$5,275	\$5,377	\$5,479	\$5,581	\$5,683	\$5,785	\$5,887	\$5,989	\$6,091	\$6,193	\$6,295	\$6,397	\$6,499	\$6,601	\$6,703	\$6,805
Misc. Expenses	\$701	\$653	\$668	\$683	\$698	\$713	\$728	\$743	\$758	\$773	\$788	\$803	\$818	\$833	\$848	\$863	\$878	\$893	\$908
Subtotal	\$42,597	\$37,631	\$34,458	\$35,148	\$37,587	\$38,157	\$38,897	\$39,676	\$40,495	\$41,254	\$42,044	\$42,846	\$43,661	\$44,481	\$45,305	\$46,143	\$46,985	\$47,831	\$48,681
Administrative, Support and Special Services																			
Curbside Recycling	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Drop-Off Recycling	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Yard Waste Management	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Household Hazardous Waste Management	\$19,894	\$450	\$20,000	\$500	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000
Lead Acid Battery Management	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Scrap Tire Management	\$21,975	\$0	\$20,000	\$0	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000
Electronics Management	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Appliance Collection	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
County Office Recycling	\$4,789	\$4,262	\$4,347	\$4,434	\$4,520	\$4,607	\$4,692	\$4,775	\$4,871	\$4,968	\$5,068	\$5,169	\$5,272	\$5,378	\$5,485	\$5,595	\$5,707	\$5,821	\$5,938
Litter Collection	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Market Development Support	\$3,780	\$3,843	\$3,920	\$3,998	\$4,076	\$4,154	\$4,232	\$4,310	\$4,388	\$4,466	\$4,544	\$4,622	\$4,700	\$4,778	\$4,856	\$4,934	\$5,012	\$5,090	\$5,168
Education and Awareness	\$4,815	\$18,242	\$35,536	\$6,422	\$6,550	\$6,681	\$19,342	\$36,776	\$7,090	\$7,232	\$7,377	\$20,332	\$38,096	\$7,828	\$7,985	\$8,144	\$21,341	\$39,504	\$8,643
Plan Implementation, Preparation and	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000
Health Department Funding	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other Facilities	\$65,254	\$36,797	\$93,803	\$25,354	\$56,050	\$56,271	\$69,024	\$86,552	\$55,961	\$57,200	\$70,444	\$70,471	\$88,369	\$58,206	\$58,470	\$55,739	\$72,048	\$90,325	\$59,580
Total Expenditures	\$107,890	\$70,580	\$128,261	\$94,406	\$93,437	\$97,430	\$107,922	\$126,227	\$97,430	\$98,479	\$113,417	\$113,417	\$132,174	\$102,887	\$104,045	\$105,225	\$119,484	\$138,689	\$108,912
Difference	-\$7,249	\$16,238	-\$40,605	\$28,003	\$15,108	-\$15,093	-\$27,614	-\$44,915	-\$15,103	-\$11,121	-\$28,668	-\$45,815	-\$45,815	-\$15,508	-\$15,632	-\$15,770	-\$28,966	-\$47,118	-\$16,966
Ending Balance	\$572,782	\$589,020	\$548,415	\$576,418	\$561,310	\$546,217	\$518,602	\$473,687	\$458,594	\$445,463	\$428,263	\$400,195	\$354,380	\$338,872	\$323,239	\$307,469	\$278,513	\$231,396	\$231,396

Table VIII-8C (Budget C)
Disposal Fees
\$2.00/\$4.00/\$2.00
Summary of District Revenues and Expenditures

Description	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Beginning Balance	\$580,000	\$572,782	\$589,020	\$540,679	\$560,871	\$548,906	\$536,760	\$511,893	\$468,522	\$456,759	\$443,766	\$400,629	\$404,257	\$360,071	\$346,021	\$331,672	\$317,009	\$288,983	\$242,615
Revenues																			
District Disposal Fees	\$88,691	\$86,818	\$79,320	\$90,693	\$81,472	\$82,260	\$83,054	\$83,857	\$84,667	\$85,485	\$86,311	\$87,145	\$87,987	\$88,837	\$89,686	\$90,562	\$91,437	\$92,321	\$93,213
Generation Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Parcel Assessment Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Reimbursements	\$6	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grants	\$9,548	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Recycling Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Tipping Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
User Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$2,357	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Revenue	\$100,601	\$86,818	\$79,320	\$80,693	\$81,472	\$82,260	\$83,054	\$83,857	\$84,667	\$85,485	\$86,311	\$87,145	\$87,987	\$88,837	\$89,686	\$90,562	\$91,437	\$92,321	\$93,213
Expenditures																			
Program #																			
Personnel - Salaries and OPERS	Admin-1	\$32,082	\$23,535	\$24,006	\$24,486	\$24,976	\$25,476	\$25,985	\$26,505	\$27,035	\$27,576	\$28,127	\$28,690	\$29,263	\$29,849	\$30,446	\$31,055	\$31,676	\$32,309
Personnel - Workers Comp, Unemployment, Medicare	Admin-2	\$253	\$258	\$263	\$268	\$273	\$278	\$283	\$288	\$293	\$298	\$303	\$308	\$313	\$318	\$323	\$328	\$333	\$338
Personnel - Health Insurance	Admin-3	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Travel	Admin-4	\$243	\$227	\$242	\$247	\$252	\$257	\$262	\$267	\$272	\$277	\$282	\$287	\$292	\$297	\$302	\$307	\$312	\$317
Supplies	Admin-5	\$25	\$24	\$24	\$25	\$25	\$26	\$26	\$27	\$27	\$28	\$28	\$29	\$29	\$30	\$30	\$31	\$31	\$32
Equipment	Admin-6	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Advertising and Printing	Admin-7	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rent	Admin-8	\$4,083	\$3,974	\$4,064	\$4,155	\$4,246	\$4,337	\$4,428	\$4,519	\$4,610	\$4,701	\$4,792	\$4,883	\$4,974	\$5,065	\$5,156	\$5,247	\$5,338	\$5,429
Indirect Expenses (County)	Admin-9	\$5,209	\$5,071	\$5,173	\$5,276	\$5,379	\$5,482	\$5,585	\$5,688	\$5,791	\$5,894	\$5,997	\$6,100	\$6,203	\$6,306	\$6,409	\$6,512	\$6,615	\$6,718
Misc. Expenses	Admin-10	\$701	\$683	\$696	\$710	\$723	\$736	\$749	\$762	\$775	\$788	\$801	\$814	\$827	\$840	\$853	\$866	\$879	\$892
Subtotal	\$42,597	\$33,783	\$34,468	\$35,148	\$35,827	\$36,507	\$37,187	\$37,867	\$38,547	\$39,227	\$39,907	\$40,587	\$41,267	\$41,947	\$42,627	\$43,307	\$43,987	\$44,667	\$45,347
Administrative/District Facilities, Supplies, and Support Services																			
Curbside Recycling	MC-01	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Drop-Off Recycling	MC-02	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Yard Waste Management	MC-03	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Household Hazardous Waste Management	MC-04	\$19,884	\$450	\$20,000	\$500	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000
Lead Acid Battery Management	MC-05	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Use Oil Management	MC-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Scrap Tire Management	MC-07	\$21,975	\$0	\$20,000	\$0	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000
Electronics Management	MC-08	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Appliance Collection	MC-09	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
County Office Recycling	MC-10	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Litter Collection	MC-11	\$4,789	\$4,262	\$4,347	\$4,434	\$4,500	\$4,590	\$4,682	\$4,775	\$4,871	\$4,968	\$5,068	\$5,169	\$5,272	\$5,378	\$5,485	\$5,595	\$5,707	\$5,821
Market Development Support	MC-12	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Education and Awareness	MC-13	\$3,780	\$3,843	\$3,920	\$3,998	\$4,076	\$4,154	\$4,232	\$4,310	\$4,388	\$4,466	\$4,544	\$4,622	\$4,700	\$4,778	\$4,856	\$4,934	\$5,012	\$5,090
Plan Implementation, Preparation and Monitoring	MC-14	\$4,815	\$18,242	\$35,536	\$6,422	\$6,550	\$6,681	\$6,812	\$6,943	\$7,074	\$7,205	\$7,336	\$7,467	\$7,598	\$7,729	\$7,860	\$7,991	\$8,122	\$8,253
Health Department Funding	MC-15	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000
Other Facilities	MC-16	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$65,254	\$36,797	\$93,803	\$25,354	\$56,050	\$56,271	\$56,024	\$56,532	\$56,961	\$57,200	\$57,444	\$57,688	\$57,932	\$58,176	\$58,420	\$58,664	\$58,908	\$59,152	\$59,396
Total Expenditures	\$107,850	\$70,580	\$128,261	\$60,501	\$91,877	\$92,778	\$92,078	\$93,419	\$94,488	\$95,659	\$96,798	\$97,937	\$99,076	\$100,215	\$101,354	\$102,493	\$103,632	\$104,771	\$105,910
Difference	\$7,249	\$16,238	\$48,341	\$20,122	\$11,965	\$12,146	\$12,967	\$13,788	\$14,609	\$15,430	\$16,251	\$17,072	\$17,893	\$18,714	\$19,535	\$20,356	\$21,177	\$21,998	\$22,819
Ending Balance	\$572,782	\$589,020	\$540,679	\$560,871	\$548,906	\$536,760	\$511,893	\$468,522	\$456,759	\$443,766	\$400,629	\$404,257	\$360,071	\$346,021	\$331,672	\$317,009	\$288,983	\$242,615	\$196,246

IX. District Rules

[ORC Section 3734.53(C)]

The District reserves the right to adopt rules specifically authorized by the Ohio Revised Code (ORC). Section 343.01 (G) of the ORC provides the Board of County Commissioners with the authority to adopt, publish and enforce rules if the District Plan authorizes rule adoption under ORC Section 3734.53 (C). The District is authorized under this *Plan Update* to adopt rules under the following provisions of the ORC:

ORC 3734.53 (C)(1): Prohibiting or limiting the receipt at facilities located within the solid waste management district of solid wastes generated outside the district or outside a prescribed service area consistent with the projections under divisions (A)(6) and (7) of this section. However, rules adopted by a board under division (C)(1) of this section may be adopted and enforced with respect to solid waste disposal facilities in the solid waste management district that are not owned by a county or the solid waste management district only if the board submits an application to the director of environmental protection that demonstrates that there is insufficient capacity to dispose of all solid wastes that are generated within the district at the solid waste disposal facilities located within the district and the director approves the application. The demonstration in the application shall be based on projections contained in the plan or amended plan of the district. The director shall establish the form of the application. The approval or disapproval of such an application by the director is an action that is appealable under section 3745.04 of the Revised Code. In addition, the director of environmental protection may issue an order modifying a rule authorized to be adopted under division (C)(1) if this section to allow the disposal in the district of wastes from another county or joint solid waste management district if all of the following apply:

- (a) The district in which the wastes were generated does not have sufficient capacity to dispose of solid wastes generated within it for six months following the date of the directors' order;
- (b) No new solid waste facilities will begin operation during those six months in the district in which the wastes were generated and, despite good faith efforts to do so, it is impossible to site new solid waste facilities within the district because of its high population density;
- (c) The district in which the wastes were generated has made good faith efforts to negotiate with other districts to incorporate its disposal needs within those districts' solid waste management plans, including efforts to develop joint facilities authorized under section 343.02 of the Revised Code, and the efforts have been unsuccessful;

- (d) The district in which the wastes were generated has located a facility willing to accept the district's solid wastes for disposal within the receiving district;
- (e) The district in which the wastes were generated has demonstrated to the director that the conditions specified in divisions (C)(1)(a) to (d) of this section have been met;
- (f) The director finds that the issuance of the order will be consistent with the state solid waste management plan and that receipt of out-of-state wastes will not limit the capacity of the receiving district to dispose of its in-district wastes to less than eight years. Any order issued under division (C)(1) of this section shall not become final until thirty days after it has been served by certified mail upon the county or joint solid waste management district that will receive the out-of-district wastes.

ORC 3734.53(C)(2): Governing the maintenance, protection, and use of solid waste collection and solid waste disposal, transfer, recycling, and resource recovery facilities within the district and requiring the submission of general plans and specifications for the construction, enlargement, or modification of any such facility to the Board of County Commissioners or Board of Directors of the district for review and approval as complying with the plan or amended plan of the District.

ORC 3734.53(C)(3): Governing development and implementation of a program for the inspection of solid wastes generated outside the boundaries of the state that are being disposed of at solid waste facilities included in the district's plan.

ORC 3734.53(C)(4): Exempting the owner or operator of any existing or proposed solid waste facility provided for in the plan from compliance with any amendment to a township zoning resolution adopted under Section 519.12 of the Revised Code or to a county rural zoning resolution adopted under Section 303.12 of the Revised Code that rezoned or redistricted the parcel or parcels upon which the facility is to be constructed or modified and that became effective within two years prior to the filing of an application for a permit required under division (A)(2)(a) of section 3734.05 of the Revised code to open a new or modify an existing solid waste facility.

A. Existing Rules

The District does not have any existing rules. There are no current plans to adopt new rules at the time of the development of this *Plan Update*.

B. Proposed Rules

The constantly changing legal landscape of the waste industry requires the District to reserve the right to use any rule making authority available to the District.

The District reserves the right to promulgate any rule in 343.01 of the Ohio Revised Code to assist in implementing any or all strategies necessary to achieve the waste management goals of this Amended Plan including:

- Prohibiting or limiting the receipt of waste generated outside the District;
- Governing the maintenance, protection, and use of solid waste collection, transfer, disposal, recycling, or resource recovery facilities;
- Governing a program to inspect out-of-state waste; and
- Exempting an owner or operator of a solid waste facility from compliance with local zoning requirement.

C. Rule Approval Process

Proposed rules shall be adopted and enforced by the Board of County Commissioners as provided in Section 343.01(G).



APPENDIX A

RESOLUTION FOR DISTRICT FORMATION



SUBJECT: FORMING A SOLID WASTE MANAGEMENT DISTRICT FOR
MERCER COUNTY, OHIO

DATE: JULY 28, 1989

Craftsman Printing, Inc.

The Board of County Commissioners of Mercer County, Ohio met in regular session on the 28th day of July, 1989, at the Office of the Mercer County Commissioners with the following members present: Mr. Jerry Laffin, Mr. Herbert Muhlenkamp, and Mr. Ronald Puthoff; Mrs. Joan Bollenbacher, Clerk/Adm. of the Board was absent.

IN THE MATTER OF THE MERCER COUNTY COMMISSIONERS:
FORMING A SOLID WASTE MANAGEMENT DISTRICT FOR : RESOLUTION # 717
MERCER COUNTY, OHIO :

Mr. Puthoff moved the adoption of the following

RESOLUTION

Whereas, The Mercer County Commissioners have been granted a waiver of 120,000 population requirement for the formation of a solid waste management district for Mercer County, Ohio, by Richard L. Shank, Ph.D., Director of the Ohio Environmental Protection Agency under authority of Ohio Revised Code Section 3734.52, and

Whereas, The Board of Mercer County Commissioners desires to form a solid waste management district for Mercer County, Ohio, Now therefore, be it

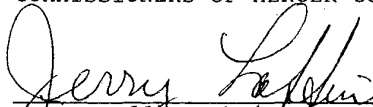
Resolved, That the Board of Mercer County Commissioners do hereby form a solid waste management district for Mercer County, Ohio, in accordance with Ohio Revised Code 3734.52, and as otherwise authorized and in accordance with House Bill 592, and be it further


Resolved, That the Clerk submit to OEPA a copy of this Resolution by sending a copy of it to its Director, Richard L. Shank, Ph.D. and his attorney, Athan A. Vinolus, Assistant Attorney General for the State of Ohio.

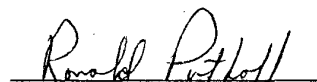
Mr. Muhlenkamp seconded the resolution and the roll being called upon its adoption the vote resulted as follows:

Mr. Laffin, Yea; Mr. Muhlenkamp, Yea; Mr. Puthoff, Yea;


APPROVED BY THE BOARD OF COUNTY
COMMISSIONERS OF MERCER COUNTY, OHIO


Jerry Laffin, Chairman


Herbert Muhlenkamp, Vice Chairman


Ronald Puthoff, Member

ATTEST:


Clerk/Adm. of the Board

July 31, 1989
Date

SUBJECT: FORMING A SOLID WASTE MANAGEMENT DISTRICT FOR
MERCER COUNTY, OHIO

DATE: JULY 28, 1989

Craftsman Printing, Inc.

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FORMING A SOLID WASTE MANAGEMENT DISTRICT FOR : RESOLUTION # 717
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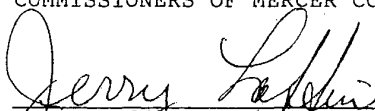
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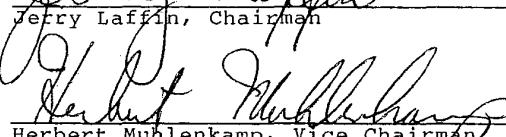
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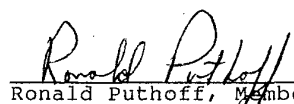
Mr. Muhlenkamp seconded the resolution and the roll being called upon its adoption the vote resulted as follows:

Mr. Laffin, Yea; Mr. Muhlenkamp, Yea; Mr. Puthoff, Yea;


APPROVED BY THE BOARD OF COUNTY
COMMISSIONERS OF MERCER COUNTY, OHIO


Jerry Laffin, Chairman


Herbert Muhlenkamp, Vice Chairman


Ronald Puthoff, Member

ATTEST:


Clerk/Adm. of the Board

July 31, 1989
Date



APPENDIX B

**PUBLIC NOTICES FOR PUBLIC HEARINGS AND
PUBLIC COMMENT**



PUBLISHER'S AFFIDAVIT OF NOTICE

STATE OF OHIO

Mercer County,

I, FRANK M. SNYDER, Publisher or DAVID J. HOYING, Business Manager, of THE DAILY STANDARD, A Daily Newspaper Printed and Published in Celina, Ohio, and of general circulation throughout Mercer County make solemn oath that on:

Public Notice - Mercer County Solid Waste Management District

of which the attached is a true copy, was published in said newspaper in its issue.

of January 3, 2019, and , 2019,

and , 2019, and , 2019,

and , 2019, and , 2019,

Sworn to and subscribed in my presence this 3rd day

of January , A.D. 2019.

Notary Public

My Commission Expires: May 7, 2022

Printer's Fee — \$ 175.28

PUBLIC NOTICE MERCER COUNTY SOLID WASTE MANAGEMENT DISTRICT

Public Comment Period and Public Hearing for Draft Mercer County Solid Waste Management Plan Update

The Mercer County Solid Waste Management District (District) is establishing a 30-day written comment period (Monday, January 7, 2019, through Tuesday, February 5, 2019) on the draft Mercer County Solid Waste Management Plan Update (Plan Update) (Ohio Revised Code Section 3734.54). The District has prepared the draft Plan Update as required by Section 3734.54 of the Ohio Revised Code. The draft Plan Update includes a solid waste facility inventory, projections and strategies, facilities and programs to be used, an analysis of the progress made toward achieving state solid waste reduction goals, budget and fees to finance the Plan, and District rules.

This draft is an update to a previously approved solid waste plan. This Plan Update details existing programs, including residential recycling education and awareness programs, market development activities, and other programs such as the business waste assessment program and financial incentive programs. Other specific programs include curbside recycling, drop-off recycling, yard waste management, household hazardous management, used oil management, scrap tire management, electronics management, appliance collection, and county office recycling.

The draft Plan Update includes a demonstration of access to capacity and determines there is more than fifteen years of landfill capacity available to the District.

This draft Plan Update continues to authorize the Board of Mercer County Commissioners to establish facility designations in accordance with Section 343.013 and 343.014 of the Ohio Revised Code.

The draft Plan Update includes a detailed siting strategy for the submission and review of plans, specifications, and applications of the siting strategy to proposed solid waste facilities including the maximum feasible utilization and exemption of ex-

isting in-district facilities.

The draft Plan Update complies with State Plan Goal #2, which states that the District must recycle at least 25% of the solid waste generated by the residential/commercial sector and at least 66% of the solid waste generated by the industrial sector.

The District currently funds plan programs and current operations through a disposal fee collected at District landfills and transfer stations of \$2.00 per ton for in-district solid waste, \$4.00 per ton for out-of-district solid waste, and \$2.00 per ton for out-of-state solid waste. Additionally, the District funds programs through state grants, donations, and revenue from the sale of recyclables. The District has also prepared funding options should the Republic Waste Services Celina Landfill close which includes ORC 343.08 rates and charges and contract fees through designation. The plan presents three distinct budgets based on these three funding mechanisms. The District reserves the right to implement any of the funding mechanisms listed above at any point in the planning period.

The District will hold a public hearing to obtain oral comments regarding the draft Plan Update on Tuesday, February 12, 2019, at 11:00 a.m. at the Mercer County Central Services Building, 220 W. Livingston St., Celina, OH 45822.

The District will accept written comments as required by Ohio Revised Code Section 3734.55 on the draft Plan Update from Monday, January 7, 2019, through Tuesday, February 5, 2019. Written comments should be sent to Kent Hinton, District Coordinator, 220 W. Livingston Street, Suite A230, Celina, Ohio 45822.

The draft Plan Update is available for review at the Mercer County Solid Waste District, 220 W. Livingston Street, Suite A230, Celina, Ohio 45822 during normal business hours, the Mercer County Commissioner's office at 220 W. Livingston Street, Suite A201, Celina, Ohio 45822 and on the District's website at <http://www.mercercountyohio.org/county-services/solid-waste-management>. Please call 419-586-3695 with any questions about the Plan Update or the opportunity to review a copy.



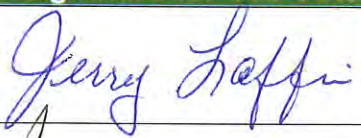
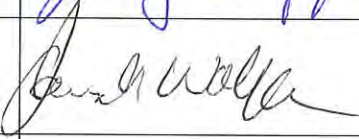
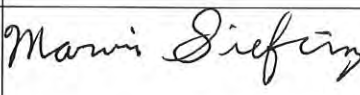
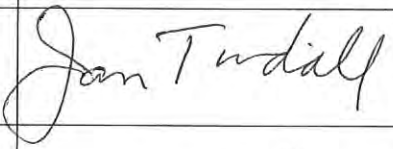

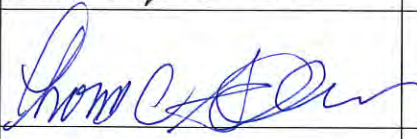
APPENDIX C

RESOLUTIONS AND CERTIFICATION STATEMENTS




CERTIFICATION STATEMENT FOR THE DRAFT PLAN

We as representatives of the Solid Waste Management Policy Committee (SWMPC) of the Mercer County Solid Waste Management District (District), do hereby certify that to the best of our knowledge and belief, the statements, demonstrations and all accompanying materials that comprise the draft District Solid Waste Management Plan Update, and the availability of and access to sufficient solid waste management facility capacity to meet the solid waste management needs of the District for the fifteen year period covered by the Plan Update are accurate and are in compliance with the requirements in the *District Solid Waste Management Plan Format*, revision 3.0.

Representation	Signature for Yes Vote	Signature for No Vote
County Commissioner		
Largest City		
Health District		
Townships		
Industry		
General Interest of Citizens		
Public		
Total Votes		

Date of Resolution: Feb. 2, 2018

Policy Committee Chairperson Signature: 

Resolution Adopting the Solid Waste Management Plan

Resolution # 2019-01

A RESOLUTION DECLARING THAT THE AMENDED SOLID WASTE MANAGEMENT PLAN FOR THE MERCER COUNTY SOLID WASTE MANAGEMENT DISTRICT (DISTRICT) HAS BEEN ADOPTED.

Whereas, the District has completed the draft amended solid waste management Plan and submitted it to the Ohio Environmental Protection Agency for review and comment on April 4, 2018 and the Ohio Environmental Protection Agency provided comments in a non-binding advisory opinion on May 18, 2018.

Whereas, the Policy Committee has reviewed the non-binding advisory opinion received from the Ohio Environmental Protection Agency and taken their comments into consideration and incorporated changes into the amended Plan as appropriate;

Whereas the District has conducted a 30-day comment period (January 7, 2019 - February 5, 2019) and a public hearing held on Tuesday, February 12, 2019 to provide the public an opportunity to have input in this Plan;

NOW, THEREFORE, BE IT RESOLVED that the Mercer County Solid Waste Management District:

1. Adopts the amended Plan as the District Plan in the form: with changes made on February 12, 2019.
2. Certifies that, to the best of our knowledge and belief, the statements, demonstrations and all accompanying materials that comprise the District's Plan, and the availability of and access to sufficient solid waste management facility capacity to meet the solid waste management needs of the District for the fifteen-year period covered by the Plan, are accurate and are in compliance with the requirements of the District Solid Waste Management Plan Format, revision 3.0.
3. Directs that copies of the adopted Plan be delivered to the Board of County Commissioners and to the legislative authority of each municipal corporation and township under the jurisdiction of the District for ratification by March 11, 2019.

This resolution shall be in effect immediately upon its adoption.

Mercer County Policy Committee		
Representation	Signature for Yes Vote	Signature for No Vote
County Commissioner	<i>Jerry Leffin</i>	
Largest City		
Health District	<i>Michelle Kimmel</i>	
Townships		
Industry	<i>Jan Tindall</i>	
General Interest of Citizens	<i>Shon O'Neil</i>	
Public	<i>Eric C. Thomas</i>	
Total Votes	5	0

Policy Committee Chair Signature: *Jerry Leffin*

Date: 2/12/19

Resolution Certifying Ratification of the Solid Waste Management Plan

Resolution No. 2019-02

A resolution declaring that the amended solid waste management plan for the Mercer County Solid Waste District has been ratified in accordance with Section 3734.55 of the Ohio Revised Code.

Whereas, the Mercer County Solid Waste District held a 30-day comment period from January 7, 2019 to February 5, 2019 and a public hearing was held on February 12, 2019, and the Solid Waste Management District Policy Committee adopted the amended solid waste management plan on February 12, 2019.

Whereas, this Solid Waste Management District Policy Committee has received copies of resolutions and ordinances approving the amended solid waste management plan from the board of county commissioners in Mercer County, the legislative body of the largest municipality in Mercer County and from legislative jurisdictions representing at least 60 percent of the population of the Mercer County Solid Waste District.

NOW THEREFORE BE IT RESOLVED that the Solid Waste Management Policy Committee of the Mercer County Solid Waste District declares the amended Plan for the Mercer County Solid Waste District to be ratified in accordance with Section 3734.55 of the Ohio Revised Code and shall cause the amended solid waste management plan to be submitted to the Director of the Ohio Environmental Protection Agency for review.

This resolution shall be in effect immediately upon its adoption.

This is to certify that the foregoing is a true and correct copy of the resolution passed by the Solid Waste Management District Policy Committee on June 27, 2019 and recorded in the Journal of said Policy Committee.

Date: 6/27/19



Policy Committee Chairperson

Total Yes Votes: 6

Total No Votes: 0


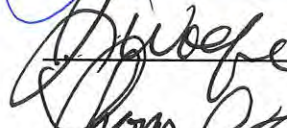

Mercer County Policy Committee		
Representation	Signature for Yes Vote	Signature for No Vote
County Commissioner	<i>Jerry Daffin</i>	
Largest City	<i>Paul H. Wolfe</i>	
Health District	<i>Michelle Kimmel, RS</i>	
Townships	<i>Marvin Sieffing</i>	
Industry		
General Interest of Citizens	<i>Thomas C. Sedda</i>	
Public	<i>Eric P. Thomas</i>	
Total Votes		

Date: 6-27-19

Mercer Co. Solid Waste Policy Committee Meeting

June 27, 2019 – 10:00 AM

Sign-In Sheet

Name	Organization	Phone #
Carla Buening	Mercer Co SWMD	419-586-3695
Jim Skoza	GT Environmental	330-608-0138
Marvin Siefring	Township	419-852-0117
	Mer Co SWMD	419-852-2712
	CITY OF CECINA	419-586-3032
	PUBLIC	419-305-4281
Michelle Kimmel	Health Dept.	419-586-3251
Jerry Laffer	Commissioner	419-586- 3176 3178
Eric P. Thomas	Village of Columbus	419-678-4881

Mercer Plan Ratification Population Table	2018 Pop	Approved the Plan	Disapproved the Plan
Mercer County Commissioners	✓	Type 2018 population	Type 2018 population
Cities and Villages			
City of Celina*	10,296	10,296	
Village of Coldwater	4,547	4,547	
Village of Rockford	1,105	1,105	
Village of Montezuma	155	155	
Village of Burkettsville	267	267	
Village of St. Henry	2,540	2,540	
Village of Chickasaw	296	296	
Village of Fort Recovery	1,456	1,456	
Village of Mendon	645	645	
Townships			
Black Creek Township	607	607	
Butler Township	1,962	1,962	
Center Township	1,060		
Dublin Township	1,017	1,017	
Franklin Township	2,114	2,114	
Gibson Township	926	926	
Granville Township	1,516	1,516	
Hopewell Township	1,021	1,021	
Jefferson Township	2,723	2,723	
Liberty Township	897	897	
Marion Township	2,743	2,743	
Recovery Township	1,192	1,192	
Union Township	754	754	
Washington Township	1,221	1,221	
Total 2017 Population Estimate	41,060	40,000	0
60% Approval Total Needed	24,636		
Total Population Approved	40,000		
Percent Approved	97.4%		

*Ratification requires approval of largest city in the District.

Mercer Plan Ratification Population Table	2018 Pop	Approved the Plan	Disapproved the Plan
Mercer County Commissioners	✓	Type 2018 population	Type 2018 population
Cities and Villages			
City of Celina*	10,296	10,296	
Village of Coldwater	4,547	4,547	
Village of Rockford	1,105	1,105	
Village of Montezuma	155	155	
Village of Burkettsville	267	267	
Village of St. Henry	2,540	2,540	
Village of Chickasaw	296	296	
Village of Fort Recovery	1,456	1,456	
Village of Mendon	645	645	
Townships			
Black Creek Township	607	607	
Butler Township	1,962	1,962	
Center Township	1,060		
Dublin Township	1,017	1,017	
Franklin Township	2,114	2,114	
Gibson Township	926	926	
Granville Township	1,516	1,516	
Hopewell Township	1,021	1,021	
Jefferson Township	2,723	2,723	
Liberty Township	897	897	
Marion Township	2,743	2,743	
Recovery Township	1,192	1,192	
Union Township	754	754	
Washington Township	1,221	1,221	
Total 2017 Population Estimate	41,060	40,000	0
60% Approval Total Needed		24,636	
Total Population Approved		40,000	
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Mercer Plan Ratification Population Table	2018 Pop	Approved the Plan	Disapproved the Plan
Mercer County Commissioners	✓	Type 2018 population	Type 2018 population
Cities and Villages			
City of Celina*	10,296	10,296	
Village of Coldwater	4,547	4,547	
Village of Rockford	1,105	1,105	
Village of Montezuma	155	155	
Village of Burkettsville	267	267	
Village of St. Henry	2,540	2,540	
Village of Chickasaw	296	296	
Village of Fort Recovery	1,456	1,456	
Village of Mendon	645	645	
Townships			
Black Creek Township	607	607	
Butler Township	1,962	1,962	
Center Township	1,060		
Dublin Township	1,017	1,017	
Franklin Township	2,114	2,114	
Gibson Township	926	926	
Granville Township	1,516	1,516	
Hopewell Township	1,021	1,021	
Jefferson Township	2,723	2,723	
Liberty Township	897	897	
Marion Township	2,743	2,743	
Recovery Township	1,192	1,192	
Union Township	754	754	
Washington Township	1,221	1,221	
Total 2017 Population Estimate	41,060	40,000	0
60% Approval Total Needed		24,636	
Total Population Approved		40,000	
Percent Approved		97.4%	

*Ratification requires approval of largest city in the District.

**Majority of population not in District

Community Type	Total	Yes Votes	% Yes
Cities	1	1	100.00%
Villages	8	8	100.00%
Townships	14	13	92.86%

RESOLUTION 5-19-R

A RESOLUTION TO ADOPT THE SOLID WASTE MANAGEMENT PLAN FOR THE MERCER COUNTY SOLID WASTE MANAGEMENT DISTRICT.

WHEREAS; the City of Celina is located within the jurisdiction of the Mercer County Solid Waste Management District (District); and

WHEREAS, the District Policy Committee prepared and adopted a final draft of the Solid Waste Management Plan in accordance with Ohio Revised Code Sections 3734.53, 3734.54 and 3734.55; and

WHEREAS, the District has provided a copy of the Draft Final Solid Waste Management Plan for ratification to each of the legislative authorities of the District; and

WHEREAS, the District has created a contingent funding plan in the event the Celina landfill closes and renders the District without a funding source; and

WHEREAS; the City of Celina must decide whether it approves of said Solid Waste Management Plan within ninety days of receipt of the Final Draft Plan.

NOW, THEREFORE, BE IT RESOLVED by the Council of the City of Celina, County of Mercer and State of Ohio.

SECTION ONE

THAT, Council of the City of Celina hereby approves the Mercer County Solid Waste Management Plan adopted at the District Policy Committee on February 12, 2019.

SECTION TWO

THAT, if the plan is ratified (60% approval by local jurisdictions, County Commissioners approval and City of Celina approval), the parties agree to pass any and all lawful and appropriate resolutions and ordinances, and to do all things necessary and proper to authorize and allow for the lawful implementation of the contingent funding and the supplemental funding portions of the plan when if the contingencies manifest

SECTION THREE

THAT, the Clerk is authorized and directed to mail or otherwise deliver a copy of this Resolution to the attention of Mr. Kent Hinton, District Coordinator, 220 W. Livingston Street, Suite A230, Celina, Ohio 45822.

SECTION FOUR

THAT, it is found and determined that all formal actions of this Council concerning and relating to the passage of this Resolution were adopted in an open meeting of this Council and of any of its committees that resulted in such formal actions were in meetings open to

the public in compliance with all legal requirements including Sections 121.22 of the Ohio Revised Code.

SECTION FIVE

NOW, THEREFORE, this Resolution shall take effect and be in force from and after its passage and approval by the Mayor at the earliest period allowed by law.

PASSED this 20th day of May, 2019.

Jason D. King
Jason D. King, President of Council

ATTEST:

Joan S. Wurster
Joan S. Wurster, Clerk of Council

APPROVED May 20, 2019
Jeffrey S. Hazel
Jeffrey S. Hazel, Mayor

APPROVED AS TO FORM:

George Erik Moore
George Erik Moore, Esq., City Law Director

Date: 4-2-2019

Resolution No. 03-19

Title: Approval of the Mercer Waste District's Amended Draft Solid Waste Management Plan

District Community (City, Village, Township): Village of Rockford

Contact: Jeff Long

Summary/Background: The Plan is prepared in accordance with Ohio Revised Code ("ORC") Section 3734, the State of Ohio's Solid Waste Management Plan and the Ohio Environmental Protection Agency's guidelines. The Plan also describes strategies and programs that will be implemented to meet or exceed the minimum state waste reduction goals and objectives. The Mercer County Solid Waste Management District ("District") completed the draft amended Solid Waste Management Plan ("Plan") and the Ohio Environmental Protection Agency received it on April 4, 2018 and the Ohio Environmental Protection Agency provided comments in a non-binding advisory opinion on May 18, 2018. The District's Policy Committee has reviewed the non-binding advisory opinion received from the Ohio Environmental Protection Agency and taken these comments into consideration and incorporated changes into the amended Plan as appropriate. The District has conducted a 30-day comment period from January 7, 2019 to February 5, 2019 and a public hearing was held on February 12, 2019 to provide the public an opportunity to comment on the Plan

Budget Impact: The Plan provides for a fee schedule that generates the required revenue to cover the costs of implementing the strategies and programs designed to meet or exceed the minimum state waste reduction goals and objectives.

Statutory Authority/ORC: 3734.50

Member Mr. Gentle offered the following resolution:

WHEREAS, in consideration of the above, NOW, THEREFORE BE IT RESOLVED that the (City, Village, Township): Rockford, located within the jurisdiction of the Mercer County Solid Waste Management District, that:

Section 1. These Members hereby acknowledge receipt of the amended draft plan.

Section 2. The Rockford (city, village, township) either (please indicate):

- a. X approves the District Solid Waste Management Plan; or
- b. _____ disapproves the District Solid Waste Management Plan

Section 3. The Clerk is hereby directed to send the District a copy of this resolution to the attention of Mr. Kent Hinton, District Coordinator, 220 W. Livingston Street, Suite A230, Celina, Ohio 45822

Section 4. That it is found and determined that all formal actions of this Council (Board, council or trustees) concerning and relating to the passage of this resolution/ordinance were adopted in an open meeting of this Council (Board, council or trustees) and of any of its committees that resulted in such formal actions were in meetings open to the public in compliance with all legal requirements including Sections 121.22 of the Ohio Revised Code.

Section 5. That this resolution shall be in full force and effect immediately upon its adoption.

Action Taken:

Member voted - Gentle - YES
Member voted - Pontsler - YES
Member voted - Young - YES
Member voted - Now - YES
Member voted - Hertkamp - YES
Member voted
Member voted

Clerk

Yvonne Kuhn

Date: 3-26-19

Resolution No. 3

Title: Approval of the Mercer Waste District's Amended Draft Solid Waste Management Plan

District Community (City, Village, Township): DUBLIN TOWNSHIP

Contact: _____

Summary/Background: The Plan is prepared in accordance with Ohio Revised Code ("ORC") Section 3734, the State of Ohio's Solid Waste Management Plan and the Ohio Environmental Protection Agency's guidelines. The Plan also describes strategies and programs that will be implemented to meet or exceed the minimum state waste reduction goals and objectives. The Mercer County Solid Waste Management District ("District") completed the draft amended Solid Waste Management Plan ("Plan") and the Ohio Environmental Protection Agency received it on April 4, 2018 and the Ohio Environmental Protection Agency provided comments in a non-binding advisory opinion on May 18, 2018. The District's Policy Committee has reviewed the non-binding advisory opinion received from the Ohio Environmental Protection Agency and taken these comments into consideration and incorporated changes into the amended Plan as appropriate. The District has conducted a 30-day comment period from January 7, 2019 to February 5, 2019 and a public hearing was held on February 12, 2019 to provide the public an opportunity to comment on the Plan

Budget Impact: The Plan provides for a fee schedule that generates the required revenue to cover the costs of implementing the strategies and programs designed to meet or exceed the minimum state waste reduction goals and objectives.

Statutory Authority/ORC: 3734.50

Member Dan Roebuck offered the following resolution:

WHEREAS, in consideration of the above, NOW, THEREFORE BE IT RESOLVED that the (City, Village, Township): DUBLIN TOWNSHIP, located within the jurisdiction of the Mercer County Solid Waste Management District, that:

Section 1. These Members hereby acknowledge receipt of the amended draft plan.

Section 2. The DUBLIN TOWNSHIP (city, village, township) either (please indicate):

- a. ☒ approves the District Solid Waste Management Plan; or
b. ☐ disapproves the District Solid Waste Management Plan

Section 3. The Clerk is hereby directed to send the District a copy of this resolution to the attention of Mr. Kent Hinton, District Coordinator, 220 W. Livingston Street, Suite A230, Celina, Ohio 45822

Section 4. That it is found and determined that all formal actions of this DUBLIN (Board, council or trustees) concerning and relating to the passage of this resolution/ordinance were adopted in an open meeting of this TRUSTEES (Board, council or trustees) and of any of its committees that resulted in such formal actions were in meetings open to the public in compliance with all legal requirements including Sections 121.22 of the Ohio Revised Code.

Section 5. That this resolution shall be in full force and effect immediately upon its adoption.

Action Taken:

Member voted Dan ROEBUCK YES
Member voted TIM METZ YES
Member voted _____
Member voted _____
Member voted _____
Member voted _____
Member voted _____

Clerk

Jessica Haffner

Date: 3-27-19

Resolution No. 32719-A

Title: Approval of the Mercer Waste District's Amended Draft Solid Waste Management Plan

District Community (City, Village, Township): Gibson Township

Contact: Tom Lochtefeld F.O.

Summary/Background: The Plan is prepared in accordance with Ohio Revised Code ("ORC") Section 3734, the State of Ohio's Solid Waste Management Plan and the Ohio Environmental Protection Agency's guidelines. The Plan also describes strategies and programs that will be implemented to meet or exceed the minimum state waste reduction goals and objectives. The Mercer County Solid Waste Management District ("District") completed the draft amended Solid Waste Management Plan ("Plan") and the Ohio Environmental Protection Agency received it on April 4, 2018 and the Ohio Environmental Protection Agency provided comments in a non-binding advisory opinion on May 18, 2018. The District's Policy Committee has reviewed the non-binding advisory opinion received from the Ohio Environmental Protection Agency and taken these comments into consideration and incorporated changes into the amended Plan as appropriate. The District has conducted a 30-day comment period from January 7, 2019 to February 5, 2019 and a public hearing was held on February 12, 2019 to provide the public an opportunity to comment on the Plan

Budget Impact: The Plan provides for a fee schedule that generates the required revenue to cover the costs of implementing the strategies and programs designed to meet or exceed the minimum state waste reduction goals and objectives.

Statutory Authority/ORC: 3734.50

Member Gary Post offered the following resolution:

WHEREAS, in consideration of the above, NOW, THEREFORE BE IT RESOLVED that the (City, Village, Township): Gibson Township, located within the jurisdiction of the Mercer County Solid Waste Management District, that:

Section 1. These Members hereby acknowledge receipt of the amended draft plan.

Section 2. The Township (city, village, township) either (please indicate):

- a. ☒ approves the District Solid Waste Management Plan; or
- b. ☐ disapproves the District Solid Waste Management Plan

Section 3. The Clerk is hereby directed to send the District a copy of this resolution to the attention of Mr. Kent Hinton, District Coordinator, 220 W. Livingston Street, Suite A230, Celina, Ohio 45822

Section 4. That it is found and determined that all formal actions of this Board of Trustees (Board, council or trustees) concerning and relating to the passage of this resolution/ordinance were adopted in an open meeting of this Board (Board, council or trustees) and of any of its committees that resulted in such formal actions were in meetings open to the public in compliance with all legal requirements including Sections 121.22 of the Ohio Revised Code.

Section 5. That this resolution shall be in full force and effect immediately upon its adoption.

Action Taken:

Member voted Dan Kahlig
Member voted
Member voted GARY POST
Member voted
Member voted
Member voted
Member voted

Tom Lochtefeld
Clerk Tom Lochtefeld

Date: 03/27/2019

Resolution No. 20190327

Title: Approval of the Mercer Waste District's Amended Draft Solid Waste Management Plan

District Community (City, Village, Township): RECOVERY TOWNSHIP

Contact: SCOTT OVERMAN

Summary/Background: The Plan is prepared in accordance with Ohio Revised Code ("ORC") Section 3734, the State of Ohio's Solid Waste Management Plan and the Ohio Environmental Protection Agency's guidelines. The Plan also describes strategies and programs that will be implemented to meet or exceed the minimum state waste reduction goals and objectives. The Mercer County Solid Waste Management District ("District") completed the draft amended Solid Waste Management Plan ("Plan") and the Ohio Environmental Protection Agency received it on April 4, 2018 and the Ohio Environmental Protection Agency provided comments in a non-binding advisory opinion on May 18, 2018. The District's Policy Committee has reviewed the non-binding advisory opinion received from the Ohio Environmental Protection Agency and taken these comments into consideration and incorporated changes into the amended Plan as appropriate. The District has conducted a 30-day comment period from January 7, 2019 to February 5, 2019 and a public hearing was held on February 12, 2019 to provide the public an opportunity to comment on the Plan

Budget Impact: The Plan provides for a fee schedule that generates the required revenue to cover the costs of implementing the strategies and programs designed to meet or exceed the minimum state waste reduction goals and objectives.

Statutory Authority/ORC: 3734.50

Member SCOTT OVERMAN offered the following resolution:

WHEREAS, in consideration of the above, NOW, THEREFORE BE IT RESOLVED that the (City, Village, Township): RECOVERY TOWNSHIP located within the jurisdiction of the Mercer County Solid Waste Management District, that:

Section 1. These Members hereby acknowledge receipt of the amended draft plan.

Section 2. The RECOVERY TOWNSHIP (city, village, township) either (please indicate):

- a. ☒ approves the District Solid Waste Management Plan; or
- b. ☐ disapproves the District Solid Waste Management Plan

Section 3. The Clerk is hereby directed to send the District a copy of this resolution to the attention of Mr. Kent Hinton, District Coordinator, 220 W. Livingston Street, Suite A230, Celina, Ohio 45822

Section 4. That it is found and determined that all formal actions of this RECOVERY TOWNSHIP (Board, council or trustees) concerning and relating to the passage of this resolution/ordinance were adopted in an open meeting of this BOARD (Board, council or trustees) and of any of its committees that resulted in such formal actions were in meetings open to the public in compliance with all legal requirements including Sections 121.22 of the Ohio Revised Code.

Section 5. That this resolution shall be in full force and effect immediately upon its adoption.

Action Taken:

Member voted

Member voted

Member voted

Member voted

Member voted

Member voted

Member voted

Member voted

Member voted

Member voted

Member voted

Member voted

Member voted

Member voted

Member voted

Member voted

Member voted

Member voted

Member voted

Member voted

Thomas J. Sudauff
Clerk

3-27-19

3-27-19

3-27-19

Date: 03/25/2019

Resolution No. 03-2019-01

Title: Approval of the Mercer Waste District's Amended Draft Solid Waste Management Plan

District Community (City, Village, Township): GRANVILLE TOWNSHIP

Contact: NATHAN SCHWARTZMAN

Summary/Background: The Plan is prepared in accordance with Ohio Revised Code ("ORC") Section 3734, the State of Ohio's Solid Waste Management Plan and the Ohio Environmental Protection Agency's guidelines. The Plan also describes strategies and programs that will be implemented to meet or exceed the minimum state waste reduction goals and objectives. The Mercer County Solid Waste Management District ("District") completed the draft amended Solid Waste Management Plan ("Plan") and the Ohio Environmental Protection Agency received it on April 4, 2018 and the Ohio Environmental Protection Agency provided comments in a non-binding advisory opinion on May 18, 2018. The District's Policy Committee has reviewed the non-binding advisory opinion received from the Ohio Environmental Protection Agency and taken these comments into consideration and incorporated changes into the amended Plan as appropriate. The District has conducted a 30-day comment period from January 7, 2019 to February 5, 2019 and a public hearing was held on February 12, 2019 to provide the public an opportunity to comment on the Plan

Budget Impact: The Plan provides for a fee schedule that generates the required revenue to cover the costs of implementing the strategies and programs designed to meet or exceed the minimum state waste reduction goals and objectives.

Statutory Authority/ORC: 3734.50

Member M. SEEFREN offered the following resolution:

WHEREAS, in consideration of the above, NOW, THEREFORE BE IT RESOLVED that the (City, Village, Township): GRANVILLE TOWNSHIP located within the jurisdiction of the Mercer County Solid Waste Management District, that:

Section 1. These Members hereby acknowledge receipt of the amended draft plan.

Section 2. The GRANVILLE (city, village, township) either (please indicate):

- a. X approves the District Solid Waste Management Plan; or
- b. _____ disapproves the District Solid Waste Management Plan

Section 3. The Clerk is hereby directed to send the District a copy of this resolution to the attention of Mr. Kent Hinton, District Coordinator, 220 W. Livingston Street, Suite A230, Celina, Ohio 45822

Section 4. That it is found and determined that all formal actions of this BOARD (Board, council or trustees) concerning and relating to the passage of this resolution/ordinance were adopted in an open meeting of this BOARD (Board, council or trustees) and of any of its committees that resulted in such formal actions were in meetings open to the public in compliance with all legal requirements including Sections 121.22 of the Ohio Revised Code.

Section 5. That this resolution shall be in full force and effect immediately upon its adoption.

Action Taken: - ALL IN FAVOR.

Member voted
Member voted
.. . . .

Date: 3/26/19

Resolution No. 06-19

Title: Approval of the Mercer Waste District's Amended Draft Solid Waste Management Plan

District Community (City, Village, Township): Jefferson Township

Contact: Kimberly Bell

Summary/Background: The Plan is prepared in accordance with Ohio Revised Code ("ORC") Section 3734, the State of Ohio's Solid Waste Management Plan and the Ohio Environmental Protection Agency's guidelines. The Plan also describes strategies and programs that will be implemented to meet or exceed the minimum state waste reduction goals and objectives. The Mercer County Solid Waste Management District ("District") completed the draft amended Solid Waste Management Plan ("Plan") and the Ohio Environmental Protection Agency received it on April 4, 2018 and the Ohio Environmental Protection Agency provided comments in a non-binding advisory opinion on May 18, 2018. The District's Policy Committee has reviewed the non-binding advisory opinion received from the Ohio Environmental Protection Agency and taken these comments into consideration and incorporated changes into the amended Plan as appropriate. The District has conducted a 30-day comment period from January 7, 2019 to February 5, 2019 and a public hearing was held on February 12, 2019 to provide the public an opportunity to comment on the Plan

Budget Impact: The Plan provides for a fee schedule that generates the required revenue to cover the costs of implementing the strategies and programs designed to meet or exceed the minimum state waste reduction goals and objectives.

Statutory Authority/ORC: 3734.50

Member Houts offered the following resolution:

WHEREAS, in consideration of the above, NOW, THEREFORE BE IT RESOLVED that the (City, Village, Township) Township, located within the jurisdiction of the Mercer County Solid Waste Management District, that:

Section 1. These Members hereby acknowledge receipt of the amended draft plan.

Section 2. The Township (city, village, township) either (please indicate):

- a. X approves the District Solid Waste Management Plan; or
- b. _____ disapproves the District Solid Waste Management Plan

Section 3. The Clerk is hereby directed to send the District a copy of this resolution to the attention of Mr. Kent Hinton, District Coordinator, 220 W. Livingston Street, Suite A230, Celina, Ohio 45822

Section 4. That it is found and determined that all formal actions of this Board of Trustees Board, council or trustees) concerning and relating to the passage of this resolution/ordinance were adopted in an open meeting of this Board of Trustees (Board, council or trustees) and of any of its committees that resulted in such formal actions were in meetings open to the public in compliance with all legal requirements including Sections 121.22 of the Ohio Revised Code.

Section 5. That this resolution shall be in full force and effect immediately upon its adoption.

Action Taken:

Member voted Keith Houts - Yes
Member voted Nick Laux - Yes
Member voted Kent Marbaugh - Absent
Member voted _____
Member voted _____
Member voted _____
Member voted _____

Kimberly Bell
Clerk

**Resolution of the Board of Trustees
Jefferson Township, Mercer County, OH**

The Board of Trustees of Jefferson Township, Mercer County met in regular session on the 26th day of March 2019, at the Office of the Township with the following members present: Mr. Keith Houts and Mr. Nick Laux, Mr. Kent Marbaugh was absent. Also present was Mrs. Kimberly Bell, Fiscal Officer.

Mr. Houts moved the adoption of the following:

**Resolution # 06-19
Mercer County Solid Waste Management Plan**

WHEREAS, The development of the solid waste plan is a requirement of Ohio law. Every solid waste management district in Ohio must periodically revise and update their solid waste management plan; and

WHEREAS, The Plan is prepared in accordance with the Ohio Revised Code ("ORC") Section 3734, the State of Ohio's Solid Waste Management Plan and the Ohio Environmental Protection Agency's guidelines. The Plan also describes strategies and programs that will be implemented to meet or exceed the minimum state waste reduction goals and objectives. The Mercer County Solid Waste Management District ("District") completed the draft amended Solid Waste Management Plan ("Plan") and the Ohio Environmental Protection Agency received in on April 4, 2018 and the Ohio Environmental Protection Agency provided comments in a non-binding advisory opinion on May 18, 2018. The District's Policy Committee has reviewed the non-binding advisory opinion received from the Ohio Environmental Protection Agency and take these comments into consideration and incorporated changes into the amended Plan as appropriated. The district has conducted a 30-day comment period from January 7, 2019 to February 5, 2019 and a public hearing was held on February 12, 2019 to provide the public an opportunity to comment on the Plan; and

WHEREAS, The Plan provides a fee schedule that generates the required revenue to cover the cost of implementing the strategies and programs designed to meet or exceed the minimum state waste reduction goals and objectives; and

NOW THEREFORE BE IT RESOLVED, that in consideration of the above:

- 1) Jefferson Township is located within the jurisdiction of the Mercer County Solid Waste District
- 2) The members hereby acknowledge receipt of the amended draft plan.
- 3) The Township approves the District Solid Waste Management Plan
- 4) The Fiscal Officer is hereby directed to send the District a copy of this resolution to the attention of Mr. Kent Hinton, District Coordinator, 220 W. Livingston Street, Suite A230, Celina, OH 45822
- 5) That it is found and determined that all formal actions of this Board of Trustees concerning and relating to the passage of this resolution were adopted in an open meeting of the Board of Trustees and any of its committees that resulted in such formal actions were in meeting open to the public in compliance with all legal requirements including Section 121.22 of the Ohio Revised Code.
- 6) That this resolution shall be in full force and effect immediately upon its adoption.

Resolution # 06-19
Mercer County Solid Waste Management Plan
Continued

Mr. Laux seconded the adoption and the roll being called upon its adoption the vote resulted as follows:
Mr. Marbaugh, Absent; Mr. Houts, Yes; Mr. Laux, Yes

APPROVED BY THE BOARD OF JEFFERSON TOWNSHIP
TRUSTEES, MERCER COUNTY, OHIO



Nicholas laux, Chairman

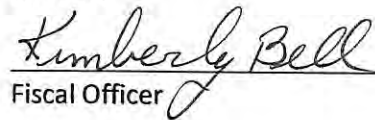


Keith Houts, Vice – Chairman

Absent

Kent Marbaugh, Member

ATTEST:



Fiscal Officer

Date: 3/18/19

Resolution No. 4-19

Title: Approval of the Mercer Waste District's Amended Draft Solid Waste Management Plan

District Community (City, Village, Township): Blackcreek Township

Contact: Curtis Hamrick

Summary/Background: The Plan is prepared in accordance with Ohio Revised Code ("ORC") Section 3734, the State of Ohio's Solid Waste Management Plan and the Ohio Environmental Protection Agency's guidelines. The Plan also describes strategies and programs that will be implemented to meet or exceed the minimum state waste reduction goals and objectives. The Mercer County Solid Waste Management District ("District") completed the draft amended Solid Waste Management Plan ("Plan") and the Ohio Environmental Protection Agency received it on April 4, 2018 and the Ohio Environmental Protection Agency provided comments in a non-binding advisory opinion on May 18, 2018. The District's Policy Committee has reviewed the non-binding advisory opinion received from the Ohio Environmental Protection Agency and taken these comments into consideration and incorporated changes into the amended Plan as appropriate. The District has conducted a 30-day comment period from January 7, 2019 to February 5, 2019 and a public hearing was held on February 12, 2019 to provide the public an opportunity to comment on the Plan

Budget Impact: The Plan provides for a fee schedule that generates the required revenue to cover the costs of implementing the strategies and programs designed to meet or exceed the minimum state waste reduction goals and objectives.

Statutory Authority/ORC: 3734.50

Member Ben Sutter offered the following resolution:

WHEREAS, in consideration of the above, NOW, THEREFORE BE IT RESOLVED that the (City, Village, Township) Blackcreek, located within the jurisdiction of the Mercer County Solid Waste Management District, that:

Section 1. These Members hereby acknowledge receipt of the amended draft plan.

Section 2. The Blackcreek (city, village, township) either (please indicate):

- a. X approves the District Solid Waste Management Plan; or
- b. _____ disapproves the District Solid Waste Management Plan

Section 3. The Clerk is hereby directed to send the District a copy of this resolution to the attention of Mr. Kent Hinton, District Coordinator, 220 W. Livingston Street, Suite A230, Celina, Ohio 45822

Section 4. That it is found and determined that all formal actions of this Board of Trustees (Board, council or trustees) concerning and relating to the passage of this resolution/ordinance were adopted in an open meeting of this Board of Trustees (Board, council or trustees) and of any of its committees that resulted in such formal actions were in meetings open to the public in compliance with all legal requirements including Sections 121.22 of the Ohio Revised Code.

Section 5. That this resolution shall be in full force and effect immediately upon its adoption.

Action Taken:

Member voted Ben Sutter, yes
Member voted John Schmitt, yes
Member voted Grant Mannish, yes
Member voted _____
Member voted _____
Member voted _____
Member voted _____

Curtis Hamrick
Clerk

Date: MARCH 20, 2019

Resolution No. 2019-2

Title: Approval of the Mercer Waste District's Amended Draft Solid Waste Management Plan

District Community (City, Village, Township): MONTESUMA

Contact: ROBERT BRENNEMAN

Summary/Background: The Plan is prepared in accordance with Ohio Revised Code ("ORC") Section 3734, the State of Ohio's Solid Waste Management Plan and the Ohio Environmental Protection Agency's guidelines. The Plan also describes strategies and programs that will be implemented to meet or exceed the minimum state waste reduction goals and objectives. The Mercer County Solid Waste Management District ("District") completed the draft amended Solid Waste Management Plan ("Plan") and the Ohio Environmental Protection Agency received it on April 4, 2018 and the Ohio Environmental Protection Agency provided comments in a non-binding advisory opinion on May 18, 2018. The District's Policy Committee has reviewed the non-binding advisory opinion received from the Ohio Environmental Protection Agency and taken these comments into consideration and incorporated changes into the amended Plan as appropriate. The District has conducted a 30-day comment period from January 7, 2019 to February 5, 2019 and a public hearing was held on February 12, 2019 to provide the public an opportunity to comment on the Plan

Budget Impact: The Plan provides for a fee schedule that generates the required revenue to cover the costs of implementing the strategies and programs designed to meet or exceed the minimum state waste reduction goals and objectives.

Statutory Authority/ORC: 3734.50

Member BRENNEMAN offered the following resolution:

WHEREAS, in consideration of the above, NOW, THEREFORE BE IT RESOLVED that the (City, Village, Township): MONTESUMA, located within the jurisdiction of the Mercer County Solid Waste Management District, that:

Section 1. These Members hereby acknowledge receipt of the amended draft plan.

Section 2. The VILLAGE (city, village, township) either (please indicate):

- a. ☒ approves the District Solid Waste Management Plan; or
- b. ☐ disapproves the District Solid Waste Management Plan

Section 3. The Clerk is hereby directed to send the District a copy of this resolution to the attention of Mr. Kent Hinton, District Coordinator, 220 W. Livingston Street, Suite A230, Celina, Ohio 45822

Section 4. That it is found and determined that all formal actions of this BOARD (Board, council or trustees) concerning and relating to the passage of this resolution/ordinance were adopted in an open meeting of this BOARD (Board, council or trustees) and of any of its committees that resulted in such formal actions were in meetings open to the public in compliance with all legal requirements including Sections 121.22 of the Ohio Revised Code.

Section 5. That this resolution shall be in full force and effect immediately upon its adoption.

Action Taken:

Member voted YES

Member voted YES

Member voted YES

Member voted YES

Member voted YES

Member voted YES

Member voted YES

Member voted YES

Member voted YES

Member voted YES

Member voted YES

Member voted YES

Member voted YES

Member voted YES

Member voted YES

Member voted YES

Member voted YES

Member voted YES

Member voted YES

Member voted YES

Date: 3/13/2019

Resolution No. 03-2019

Title: Approval of the Mercer Waste District's Amended Draft Solid Waste Management Plan

District Community (City, Village, Township): Village of Chickasaw

Contact: Kelley Poeppelman

Summary/Background: The Plan is prepared in accordance with Ohio Revised Code ("ORC") Section 3734, the State of Ohio's Solid Waste Management Plan and the Ohio Environmental Protection Agency's guidelines. The Plan also describes strategies and programs that will be implemented to meet or exceed the minimum state waste reduction goals and objectives. The Mercer County Solid Waste Management District ("District") completed the draft amended Solid Waste Management Plan ("Plan") and the Ohio Environmental Protection Agency received it on April 4, 2018 and the Ohio Environmental Protection Agency provided comments in a non-binding advisory opinion on May 18, 2018. The District's Policy Committee has reviewed the non-binding advisory opinion received from the Ohio Environmental Protection Agency and taken these comments into consideration and incorporated changes into the amended Plan as appropriate. The District has conducted a 30-day comment period from January 7, 2019 to February 5, 2019 and a public hearing was held on February 12, 2019 to provide the public an opportunity to comment on the Plan

Budget Impact: The Plan provides for a fee schedule that generates the required revenue to cover the costs of implementing the strategies and programs designed to meet or exceed the minimum state waste reduction goals and objectives.

Statutory Authority/ORC: 3734.50

Member Jeff Pohl offered the following resolution:

WHEREAS, in consideration of the above, NOW, THEREFORE BE IT RESOLVED that the (City, Village, Township): Chickasaw, located within the jurisdiction of the Mercer County Solid Waste Management District, that:

Section 1. These Members hereby acknowledge receipt of the amended draft plan.

Section 2. The Village of Chickasaw (city, village, township) either (please indicate):

- a. X approves the District Solid Waste Management Plan; or
- b. _____ disapproves the District Solid Waste Management Plan

Section 3. The Clerk is hereby directed to send the District a copy of this resolution to the attention of Mr. Kent Hinton, District Coordinator, 220 W. Livingston Street, Suite A230, Celina, Ohio 45822

Section 4. That it is found and determined that all formal actions of this Council (Board, council or trustees) concerning and relating to the passage of this resolution/ordinance were adopted in an open meeting of this Council (Board, council or trustees) and of any of its committees that resulted in such formal actions were in meetings open to the public in compliance with all legal requirements including Sections 121.22 of the Ohio Revised Code.

Section 5. That this resolution shall be in full force and effect immediately upon its adoption.

Action Taken:

Member voted Ben Kramer, yes
Member voted Jeff Pohl, yes
Member voted Randy Liette, yes
Member voted Shawn Birt, yes
Member voted Wayne Hein, yes
Member voted Joe Schmackers, yes
Member voted _____

Kelley Poeppelman
Clerk

Date: March 18, 2019

Resolution No. #031819-2

Title: Approval of the Mercer Waste District's Amended Draft Solid Waste Management Plan

District Community (City, Village, Township): Butler Township

Contact: Charles R. Dues - Fiscal officer

Summary/Background: The Plan is prepared in accordance with Ohio Revised Code ("ORC") Section 3734, the State of Ohio's Solid Waste Management Plan and the Ohio Environmental Protection Agency's guidelines. The Plan also describes strategies and programs that will be implemented to meet or exceed the minimum state waste reduction goals and objectives. The Mercer County Solid Waste Management District ("District") completed the draft amended Solid Waste Management Plan ("Plan") and the Ohio Environmental Protection Agency received it on April 4, 2018 and the Ohio Environmental Protection Agency provided comments in a non-binding advisory opinion on May 18, 2018. The District's Policy Committee has reviewed the non-binding advisory opinion received from the Ohio Environmental Protection Agency and taken these comments into consideration and incorporated changes into the amended Plan as appropriate. The District has conducted a 30-day comment period from January 7, 2019 to February 5, 2019 and a public hearing was held on February 12, 2019 to provide the public an opportunity to comment on the Plan

Budget Impact: The Plan provides for a fee schedule that generates the required revenue to cover the costs of implementing the strategies and programs designed to meet or exceed the minimum state waste reduction goals and objectives.

Statutory Authority/ORC: 3734.50

Member Nicholas Kahlig offered the following resolution:

WHEREAS, in consideration of the above, NOW, THEREFORE BE IT RESOLVED that the (City, Village, Township): Butler Township, located within the jurisdiction of the Mercer County Solid Waste Management District, that:

Section 1. These Members hereby acknowledge receipt of the amended draft plan.

Section 2. The Butler Township (city, village, township) either (please indicate):

- a. ☒ approves the District Solid Waste Management Plan; or
- b. ☐ disapproves the District Solid Waste Management Plan

Section 3. The Clerk is hereby directed to send the District a copy of this resolution to the attention of Mr. Kent Hinton, District Coordinator, 220 W. Livingston Street, Suite A230, Celina, Ohio 45822

Section 4. That it is found and determined that all formal actions of this Butler Township (Board, council or trustees) concerning and relating to the passage of this resolution/ordinance were adopted in an open meeting of this March 18, 2019 (Board, council or trustees) and of any of its committees that resulted in such formal actions were in meetings open to the public in compliance with all legal requirements including Sections 121.22 of the Ohio Revised Code.

Section 5. That this resolution shall be in full force and effect immediately upon its adoption.

Action Taken:

Member voted x Nick Kahlig - Rich Kahlig
Member voted x Fred Kahlig - Mel Kahlig
Member voted x Herbert Homan - Herbert Homan
Member voted
Member voted
Member voted
Member voted

Charles R. Dues
Clerk

**Board of Trustees
Union Township
Mercer County OH**

**Resolution Number 02-19
Date: March 14, 2019**

WHEREAS, in consideration of a plan prepared by the Mercer County Solid Waste Management District in accordance with ORC Section 3734.

WHEREAS, this plan describes the strategies and programs that will be implemented to meet or exceed the minimum state waste reduction goals. This plan was reviewed by the Ohio EPA.

WHEREAS, a public hearing was conducted to provide the public an opportunity to comment on the plan

NOW, THEREFORE BE IT RESOLVED, the Union Township Trustees located within the jurisdiction of the Mercer County Solid Waste Management District that members acknowledge receipt of the plan and APPROVE said plan

**Motioned for the resolution: Mike Harner
Seconded for the resolution: Galen Hesse**

Results of vote;

Galen Hesse,

Galen Hesse yea

Tom Miller,

Tom Miller yea

Mike Harner

Mike Harner yea

Being all Yea, Resolution to be valid from this date, March 14, 2019

Attest:



Fiscal Officer, Union Township

**Copy:
Twp File**

Date: mARCH 12, 2019

Resolution No. 3-2019-1

Title: Approval of the Mercer Waste District's Amended Draft Solid Waste Management Plan

District Community (City, Village, Township): Marion Township

Contact: Bonnie L Garrison

Summary/Background: The Plan is prepared in accordance with Ohio Revised Code ("ORC") Section 3734, the State of Ohio's Solid Waste Management Plan and the Ohio Environmental Protection Agency's guidelines. The Plan also describes strategies and programs that will be implemented to meet or exceed the minimum state waste reduction goals and objectives. The Mercer County Solid Waste Management District ("District") completed the draft amended Solid Waste Management Plan ("Plan") and the Ohio Environmental Protection Agency received it on April 4, 2018 and the Ohio Environmental Protection Agency provided comments in a non-binding advisory opinion on May 18, 2018. The District's Policy Committee has reviewed the non-binding advisory opinion received from the Ohio Environmental Protection Agency and taken these comments into consideration and incorporated changes into the amended Plan as appropriate. The District has conducted a 30-day comment period from January 7, 2019 to February 5, 2019 and a public hearing was held on February 12, 2019 to provide the public an opportunity to comment on the Plan

Budget Impact: The Plan provides for a fee schedule that generates the required revenue to cover the costs of implementing the strategies and programs designed to meet or exceed the minimum state waste reduction goals and objectives.

Statutory Authority/ORC: 3734.50

Member Robert Unrast offered the following resolution:

WHEREAS, in consideration of the above, NOW, THEREFORE BE IT RESOLVED that the (City, Village, Township): Marion, located within the jurisdiction of the Mercer County Solid Waste Management District, that:

Section 1. These Members hereby acknowledge receipt of the amended draft plan.

Section 2. The Marion (city, village, township) either (please indicate):

- a. XXX approves the District Solid Waste Management Plan; or
- b. _____ disapproves the District Solid Waste Management Plan

Section 3. The Clerk is hereby directed to send the District a copy of this resolution to the attention of Mr. Kent Hinton, District Coordinator, 220 W. Livingston Street, Suite A230, Celina, Ohio 45822

Section 4. That it is found and determined that all formal actions of this Marion Twp (Board, council or trustees) concerning and relating to the passage of this resolution/ordinance were adopted in an open meeting of this Marion Twp (Board, council or trustees) and of any of its committees that resulted in such formal actions were in meetings open to the public in compliance with all legal requirements including Sections 121.22 of the Ohio Revised Code.

Section 5. That this resolution shall be in full force and effect immediately upon its adoption.

Action Taken:

Member voted Ronald Bruns, YES
Member voted Robert Unrast, yes
Member voted Larry Reichert, yes
Member voted
Member voted
Member voted
Member voted



Clerk
Bonnie L Garrison , Fiscal Officer

Date: MARCH 12, 2019

In the: THE BOARD OF MERCER COUNTY COMMISSIONERS APPROVING
matter of: THE MERCER COUNTY SOLID WASTE MANAGEMENT PLAN

The Board of County Commissioners of Mercer County, Ohio met in regular session on the 12th day of March, 2019, at the Office of the Mercer County Commissioners with the following members present: Mr. Rick Muhlenkamp, Mr. Jerry Laffin, and Mr. Greg Homan. Also, present was Mrs. Kim Everman, Admin./Clerk of the Board.

Mr. Muhlenkamp moved the adoption of the following:

RESOLUTION #19-256

WHEREAS, The Mercer County Solid Waste Management District, by its Policy Committee, prepared and adopted a final draft of the Solid Waste Management Plan in accordance with Ohio Revised Code Section 3734, the State of Ohio's Solid Waste Management Plan, and the Ohio Environmental protection Agency's guidelines; and

WHEREAS, the Plan describes strategies and programs that will be implemented to meet or exceed the minimum state waste reduction goals and objectives. The Mercer county Solid Waste Management District completed the draft amended Solid Waste Management Plan and the Ohio Environmental protection Agency received it on April 4, 2018, and the Ohio Environmental Protection Agency provided comments in a non-binding advisory opinion on May 18, 2018. The Districts' Policy Committee has reviewed the non-binding advisory opinion received from the Ohio Environmental Protection Agency and taken these comments into consideration incorporated changes into the amended Plan as appropriate. The District has conducted a 30-day comment period and held a public hearing on February 12, 2019 to provide opportunity to comment on the plan; and

WHEREAS, the Plan provides for a fee schedule that generates the required revenue to cover the costs of implementing the strategies and programs designed to meet or exceed the minimum state waste reduction goals and objectives; and

WHEREAS, the District has provided a copy of the Draft Final Solid Waste Management Plan for ratification to the board of county commissioners and to each of the legislative authorities of the District; and

WHEREAS, pursuant to 3734.55, within ninety days after receiving a copy of the draft plan adopted by the committee, each board and legislative authority shall approve or disapprove the draft plan, by ordinance or resolution, and deliver a copy of the ordinance or resolution to the committee; and

WHEREAS, the Commissioners of Mercer County, Ohio, have reviewed the Plan and considered it at a duly called meeting.

NOW THEREFORE BE IT RESOLVED, by the Board of County Commissioners of Mercer County, Ohio:

- 1) The Board hereby approves the District Solid Waste Management Plan adopted by the District Policy Committee on February 12, 2019; and
- 2) If the plan is ratified (60% approval by local jurisdictions, county commissioner approval and City of Celina approval), the parties agree to pass any and all lawful and appropriate resolutions and ordinances, and to do all things necessary and proper to authorize and allow for the lawful implementation of the contingent funding and the supplemental funding portions of the plan when/if the contingencies manifest; and
- 3) The clerk is hereby directed to send the District a copy of this resolution to the attention of Kent Hinton, District Coordinator, Mercer County Solid Waste Management District, 220 W. Livingston St., Room A230, Celina, OH 45822; and
- 4) That it is found and determined that all formal actions of this Board concerning and relating to the passage of this resolution were adopted in an open meeting of this Board in compliance with all legal requirements including Sections 121.22 of the Ohio Revised Code.


Date: MARCH 12, 2019

In the: THE BOARD OF MERCER COUNTY COMMISSIONERS APPROVING
matter of: THE MERCER COUNTY SOLID WASTE MANAGEMENT PLAN

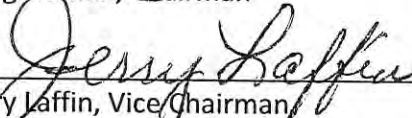
RESOLUTION #19-256 Continued

Mr. Laffin seconded the resolution and the roll being called upon its adoption the vote resulted as follows: Mr. Muhlenkamp, Yes; Mr. Laffin, Yes; Mr. Homan, Yes;

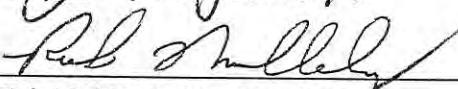
APPROVED BY THE BOARD OF COUNTY
COMMISSIONERS OF MERCER COUNTY, OHIO



Greg Homan, Chairman



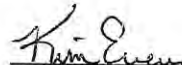
Jerry Laffin, Vice Chairman



Rick Muhlenkamp, Member

CERTIFICATE

I hereby certify that the foregoing is a true and correct copy of a resolution passed by the Board of Commissioners of Mercer County, Ohio, on March 12, 2019, and that a copy thereof was certified to the Solid Waste District Management Office.



Clerk/Adm. of the Board

cc: Solid Waste District

The **Trustees of Hopewell Township**, Mercer County, Ohio met in regular session on March 19, 2019 at the Hopewell township hall.

The trustees present were Keith Canary, Eldon Sell, & Steve Heckler and the fiscal officer, Herbert Muhlenkamp

Approval of the Mercer Waste District's Amended Draft Solid Waste Management Plan

District Community: **Hopewell Township**

Contact: **Keith Canary**

Summary/Background: The Plan is prepared in accordance with Ohio Revised Code ("ORC") Section 3734, the State of Ohio's Solid Waste Management Plan and the Ohio Environmental Protection Agency's guidelines. The Plan also describes strategies and programs that will be implemented to meet or exceed the minimum state waste reduction goals and objectives. The Mercer County Solid Waste Management District ("District") completed the draft amended Solid Waste Management Plan ("Plan") and the Ohio Environmental Protection Agency received it on April 4, 2018 and the Ohio Environmental Protection Agency provided comments in a non-binding advisory opinion on May 18, 2018. The District's Policy Committee has reviewed the non-binding advisory opinion received from the Ohio Environmental Protection Agency and taken these comments into consideration and incorporated changes into the amended Plan as appropriate. The District has conducted a 30-day comment period from January 7, 2019 to February 5, 2019 and a public hearing was held on February 12, 2019 to provide the public an opportunity to comment on the Plan

Budget Impact: The Plan provides for a fee schedule that generates the required revenue to cover the costs of implementing the strategies and programs designed to meet or exceed the minimum state waste reduction goals and objectives.

Statutory Authority/ORC: 3734.50

Eldon Sell moved to adopt the following resolution:

WHEREAS, in consideration of the above, NOW, THEREFORE BE IT RESOLVED that the Hopewell Township located within the jurisdiction of the Mercer County Solid Waste Management District, that:

Section 1. These Members hereby acknowledge receipt of the amended draft plan.

Section 2. The Township of Hopewell

- a. ☒ approves the District Solid Waste Management Plan; or
- b. ☐ disapproves the District Solid Waste Management Plan

Section 3. The Clerk is hereby directed to send the District a copy of this resolution to the attention of Mr. Kent Hinton, District Coordinator, 220 W. Livingston Street, Suite A230, Celina, Ohio 45822

Section 4. That it is found and determined that all formal actions of the board of trustees, concerning and relating to the passage of this resolution/ordinance were adopted in an open meeting of this board of trustees and of any of its committees that resulted in such formal actions were in meetings open to the public in compliance with all legal requirements including Sections 121.22 of the Ohio Revised Code. Section 5. That this resolution shall be in full force and effect immediately upon its adoption.

Keith Canary seconded the motion. Call to vote.

Keith Canary Yes Steve Heckler Yes Eldon sell Yes, Motion carried

Herbert Muhlenkamp FISCAL OFFICER

Date: April 17, 2019

Resolution No. 041719-1

Title: Approval of the Mercer Waste District's Amended Draft Solid Waste Management Plan

District Community (City, Village, Township): Franklin Township

Contact: Ron Nickamp, Trustee

Summary/Background: The Plan is prepared in accordance with Ohio Revised Code ("ORC") Section 3734, the State of Ohio's Solid Waste Management Plan and the Ohio Environmental Protection Agency's guidelines. The Plan also describes strategies and programs that will be implemented to meet or exceed the minimum state waste reduction goals and objectives. The Mercer County Solid Waste Management District ("District") completed the draft amended Solid Waste Management Plan ("Plan") and the Ohio Environmental Protection Agency received it on April 4, 2018 and the Ohio Environmental Protection Agency provided comments in a non-binding advisory opinion on May 18, 2018. The District's Policy Committee has reviewed the non-binding advisory opinion received from the Ohio Environmental Protection Agency and taken these comments into consideration and incorporated changes into the amended Plan as appropriate. The District has conducted a 30-day comment period from January 7, 2019 to February 5, 2019 and a public hearing was held on February 12, 2019 to provide the public an opportunity to comment on the Plan

Budget Impact: The Plan provides for a fee schedule that generates the required revenue to cover the costs of implementing the strategies and programs designed to meet or exceed the minimum state waste reduction goals and objectives.

Statutory Authority/ORC: 3734.50

Member Ron Nickamp offered the following resolution:

WHEREAS, in consideration of the above, NOW, THEREFORE BE IT RESOLVED that the (City, Village, Township): Franklin Township, located within the jurisdiction of the Mercer County Solid Waste Management District, that:

Section 1. These Members hereby acknowledge receipt of the amended draft plan.

Section 2. The Franklin Township (city, village, township) either (please indicate):

- a. ☒ approves the District Solid Waste Management Plan; or
- b. ☐ disapproves the District Solid Waste Management Plan

Section 3. The Clerk is hereby directed to send the District a copy of this resolution to the attention of Mr. Kent Hinton, District Coordinator, 220 W. Livingston Street, Suite A230, Celina, Ohio 45822

Section 4. That it is found and determined that all formal actions of this Trustees (Board, council or trustees) concerning and relating to the passage of this resolution/ordinance were adopted in an open meeting of this Trustees (Board, council or trustees) and of any of its committees that resulted in such formal actions were in meetings open to the public in compliance with all legal requirements including Sections 121.22 of the Ohio Revised Code.

Section 5. That this resolution shall be in full force and effect immediately upon its adoption.

Action Taken:

Member voted
Member voted
Member voted
Member voted
Member voted
Member voted
Member voted

Ron Nickamp Ron Nickamp
Ron Brookhart Ron Brookhart
Neal Klosterman Neal Klosterman

Clerk

Lee A. Dorster

Resolution No. 797

Approval of the Mercer Waste District's Amended Draft Solid Waste Management Plan

District Community: Village of Coldwater

Contact: Eric C. Thomas, Manager/Engineer

Summary/Background: The Plan is prepared in accordance with Ohio Revised Code ("ORC") Section 3734, the State of Ohio's Solid Waste Management Plan and the Ohio Environmental Protection Agency's guidelines. The Plan also describes strategies and programs that will be implemented to meet or exceed the minimum state waste reduction goals and objectives. The Mercer County Solid Waste Management District ("District") completed the draft amended Solid Waste Management Plan ("Plan") and the Ohio Environmental Protection Agency received it on April 4, 2018 and the Ohio Environmental Protection Agency provided comments in a non-binding advisory opinion on May 18, 2018. The District's Policy Committee has reviewed the non-binding advisory opinion received from the Ohio Environmental Protection Agency and taken these comments into consideration and incorporated changes into the amended Plan as appropriate. The District has conducted a 30-day comment period from January 7, 2019 to February 5, 2019 and a public hearing was held on February 12, 2019 to provide the public an opportunity to comment on the Plan.

Budget Impact: The Plan provides for a fee schedule that generates the required revenue to cover the costs of implementing the strategies and programs designed to meet or exceed the minimum state waste reduction goals and objectives.

Statutory Authority/ORC: 3734.50

Member Village of Coldwater offered the following resolution:

WHEREAS, in consideration of the above, NOW, THEREFORE BE IT RESOLVED that the Village of Coldwater, located within the jurisdiction of the Mercer County Solid Waste Management District, that:

Section 1. These Members hereby acknowledge receipt of the amended draft plan.

Section 2. The Village of Coldwater approves the District Solid Waste Management Plan;

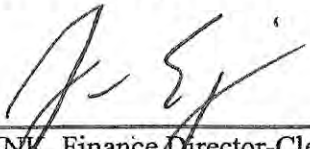
Section 3. The Clerk is hereby directed to send the District a copy of this resolution to the attention of Mr. Kent Hinton, District Coordinator, 220 W. Livingston Street, Suite A230, Celina, Ohio 45822


Section 4. That it is found and determined that all formal actions of this Council concerning and relating to the passage of this resolution/ordinance were adopted in an open meeting of this Council and of any of its committees that resulted in such formal actions were in meetings open to the public in compliance with all legal requirements including Sections 121.22 of the Ohio Revised Code.

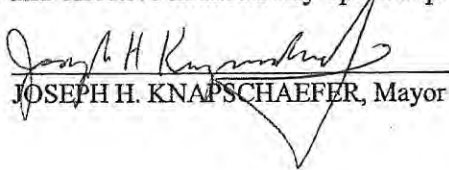
Section 5. Council of the Village of Coldwater hereby adopts the MERCER COUNTY SOLID WASTE MANAGEMENT PLAN and shall therefore be in full force and effective immediately upon its passage.

Passed this 22th day of April, 2019.

ATTEST:


JASON EYINK, Finance Director-Clerk


JUDY A. KOESTERS, Law Director


JOSEPH H. KNAPSCHAEFER, Mayor

Date: 3-26-19

Resolution No. _____

Title: Approval of the Mercer Waste District's Amended Draft Solid Waste Management Plan

District Community (City, Village, Township): Washington Township, Mercer County

Contact: Ellen Homan, Fiscal Officer

Summary/Background: The Plan is prepared in accordance with Ohio Revised Code ("ORC") Section 3734, the State of Ohio's Solid Waste Management Plan and the Ohio Environmental Protection Agency's guidelines. The Plan also describes strategies and programs that will be implemented to meet or exceed the minimum state waste reduction goals and objectives. The Mercer County Solid Waste Management District ("District") completed the draft amended Solid Waste Management Plan ("Plan") and the Ohio Environmental Protection Agency received it on April 4, 2018 and the Ohio Environmental Protection Agency provided comments in a non-binding advisory opinion on May 18, 2018. The District's Policy Committee has reviewed the non-binding advisory opinion received from the Ohio Environmental Protection Agency and taken these comments into consideration and incorporated changes into the amended Plan as appropriate. The District has conducted a 30-day comment period from January 7, 2019 to February 5, 2019 and a public hearing was held on February 12, 2019 to provide the public an opportunity to comment on the Plan

Budget Impact: The Plan provides for a fee schedule that generates the required revenue to cover the costs of implementing the strategies and programs designed to meet or exceed the minimum state waste reduction goals and objectives.

Statutory Authority/ORC: 3734.50

Member Brian Diller offered the following resolution:

WHEREAS, in consideration of the above, NOW, THEREFORE BE IT RESOLVED that the (City, Village, Township): Washington Twp, located within the jurisdiction of the Mercer County Solid Waste Management District, that:

Section 1. These Members hereby acknowledge receipt of the amended draft plan.

Section 2. The Washington Twp (city, village, township) either (please indicate):

- a. X approves the District Solid Waste Management Plan; or
- b. _____ disapproves the District Solid Waste Management Plan

Section 3. The Clerk is hereby directed to send the District a copy of this resolution to the attention of Mr. Kent Hinton, District Coordinator, 220 W. Livingston Street, Suite A230, Celina, Ohio 45822

Section 4. That it is found and determined that all formal actions of this Trustees (Board, council or trustees) concerning and relating to the passage of this resolution/ordinance were adopted in an open meeting of this trustees (Board, council or trustees) and of any of its committees that resulted in such formal actions were in meetings open to the public in compliance with all legal requirements including Sections 121.22 of the Ohio Revised Code.

Section 5. That this resolution shall be in full force and effect immediately upon its adoption.

Action Taken:

Member voted

Member voted

Member voted

Member voted

Member voted

Member voted

Member voted

Member voted

Clerk

Ellen A Homan

Date: 4-30-2019

Resolution No. 4-30-19(A)

Title: Approval of the Mercer Waste District's Amended Draft Solid Waste Management Plan

District Community (City, Village, Township): Liberty Township

Contact: Jill Thomas

Summary/Background: The Plan is prepared in accordance with Ohio Revised Code ("ORC") Section 3734, the State of Ohio's Solid Waste Management Plan and the Ohio Environmental Protection Agency's guidelines. The Plan also describes strategies and programs that will be implemented to meet or exceed the minimum state waste reduction goals and objectives. The Mercer County Solid Waste Management District ("District") completed the draft amended Solid Waste Management Plan ("Plan") and the Ohio Environmental Protection Agency received it on April 4, 2018 and the Ohio Environmental Protection Agency provided comments in a non-binding advisory opinion on May 18, 2018. The District's Policy Committee has reviewed the non-binding advisory opinion received from the Ohio Environmental Protection Agency and taken these comments into consideration and incorporated changes into the amended Plan as appropriate. The District has conducted a 30-day comment period from January 7, 2019 to February 5, 2019 and a public hearing was held on February 12, 2019 to provide the public an opportunity to comment on the Plan

Budget Impact: The Plan provides for a fee schedule that generates the required revenue to cover the costs of implementing the strategies and programs designed to meet or exceed the minimum state waste reduction goals and objectives.

Statutory Authority/ORC: 3734.50

Member Randy Thomas offered the following resolution:

WHEREAS, in consideration of the above, NOW, THEREFORE BE IT RESOLVED that the (City, Village, Township): Township, located within the jurisdiction of the Mercer County Solid Waste Management District, that:

Section 1. These Members hereby acknowledge receipt of the amended draft plan.

Section 2. The Township (city, village, township) either (please indicate):

- a. ☒ approves the District Solid Waste Management Plan; or
- b. ☐ disapproves the District Solid Waste Management Plan

Section 3. The Clerk is hereby directed to send the District a copy of this resolution to the attention of Mr. Kent Hinton, District Coordinator, 220 W. Livingston Street, Suite A230, Celina, Ohio 45822

Section 4. That it is found and determined that all formal actions of this Board of Trustees (Board, council or trustees) concerning and relating to the passage of this resolution/ordinance were adopted in an open meeting of this Board of Trustees (Board, council or trustees) and of any of its committees that resulted in such formal actions were in meetings open to the public in compliance with all legal requirements including Sections 121.22 of the Ohio Revised Code.

Section 5. That this resolution shall be in full force and effect immediately upon its adoption.

Action Taken:

Member voted: Randy Thomas yea
Member voted: Trevor Erschen yea
Member voted: Ronald Linn yea
Member voted
Member voted
Member voted
Member voted

Clerk Jill Thomas Tiscal officer

Date: 5-6-19

Resolution No. 2019-04

Title: Approval of the Mercer Waste District's Amended Draft Solid Waste Management Plan

District Community (City, Village, Township): Burkettsville OH

Contact: Joe Stammen

Summary/Background: The Plan is prepared in accordance with Ohio Revised Code ("ORC") Section 3734, the State of Ohio's Solid Waste Management Plan and the Ohio Environmental Protection Agency's guidelines. The Plan also describes strategies and programs that will be implemented to meet or exceed the minimum state waste reduction goals and objectives. The Mercer County Solid Waste Management District ("District") completed the draft amended Solid Waste Management Plan ("Plan") and the Ohio Environmental Protection Agency received it on April 4, 2018 and the Ohio Environmental Protection Agency provided comments in a non-binding advisory opinion on May 18, 2018. The District's Policy Committee has reviewed the non-binding advisory opinion received from the Ohio Environmental Protection Agency and taken these comments into consideration and incorporated changes into the amended Plan as appropriate. The District has conducted a 30-day comment period from January 7, 2019 to February 5, 2019 and a public hearing was held on February 12, 2019 to provide the public an opportunity to comment on the Plan

Budget Impact: The Plan provides for a fee schedule that generates the required revenue to cover the costs of implementing the strategies and programs designed to meet or exceed the minimum state waste reduction goals and objectives.

Statutory Authority/ORC: 3734.50

Member Burkettsville offered the following resolution:

WHEREAS, in consideration of the above, NOW, THEREFORE BE IT RESOLVED that the (City, Village, Township): Burkettsville, located within the jurisdiction of the Mercer County Solid Waste Management District, that:

Section 1. These Members hereby acknowledge receipt of the amended draft plan.

Section 2. The Burkettsville (city, village, township) either (please indicate):

- a. 5 approves the District Solid Waste Management Plan; or
- b. 0 disapproves the District Solid Waste Management Plan

Section 3. The Clerk is hereby directed to send the District a copy of this resolution to the attention of Mr. Kent Hinton, District Coordinator, 220 W. Livingston Street, Suite A230, Celina, Ohio 45822

Section 4. That it is found and determined that all formal actions of this Council (Board, council or trustees) concerning and relating to the passage of this resolution/ordinance were adopted in an open meeting of this Council (Board, council or trustees) and of any of its committees that resulted in such formal actions were in meetings open to the public in compliance with all legal requirements including Sections 121.22 of the Ohio Revised Code.

Section 5. That this resolution shall be in full force and effect immediately upon its adoption.

Action Taken:

Member voted Mike Hemmelgarn
Member voted Doug Hemmelgarn
Member voted Ray Brown
Member voted Doug Garke
Member voted Marty Wehnig
Member voted _____

Doug P. Miller
Clerk

Date: 4-30-19

Resolution No. 2019-02

Title: Approval of the Mercer Waste District's Amended Draft Solid Waste Management Plan

District Community (City, Village, Township): Village of Mendon

Contact: Kristina Boroff

Summary/Background: The Plan is prepared in accordance with Ohio Revised Code ("ORC") Section 3734, the State of Ohio's Solid Waste Management Plan and the Ohio Environmental Protection Agency's guidelines. The Plan also describes strategies and programs that will be implemented to meet or exceed the minimum state waste reduction goals and objectives. The Mercer County Solid Waste Management District ("District") completed the draft amended Solid Waste Management Plan ("Plan") and the Ohio Environmental Protection Agency received it on April 4, 2018 and the Ohio Environmental Protection Agency provided comments in a non-binding advisory opinion on May 18, 2018. The District's Policy Committee has reviewed the non-binding advisory opinion received from the Ohio Environmental Protection Agency and taken these comments into consideration and incorporated changes into the amended Plan as appropriate. The District has conducted a 30-day comment period from January 7, 2019 to February 5, 2019 and a public hearing was held on February 12, 2019 to provide the public an opportunity to comment on the Plan

Budget Impact: The Plan provides for a fee schedule that generates the required revenue to cover the costs of implementing the strategies and programs designed to meet or exceed the minimum state waste reduction goals and objectives.

Statutory Authority/ORC: 3734.50

Member Hughes offered the following resolution:

WHEREAS, in consideration of the above, NOW, THEREFORE BE IT RESOLVED that the (City, Village, Township): Village of Mendon, located within the jurisdiction of the Mercer County Solid Waste Management District, that:

Section 1. These Members hereby acknowledge receipt of the amended draft plan.

Section 2. The Village (city, village, township) either (please indicate):

- a. ☒ approves the District Solid Waste Management Plan; or
- b. ☐ disapproves the District Solid Waste Management Plan

Section 3. The Clerk is hereby directed to send the District a copy of this resolution to the attention of Mr. Kent Hinton, District Coordinator, 220 W. Livingston Street, Suite A230, Celina, Ohio 45822

Section 4. That it is found and determined that all formal actions of this Council (Board, council or trustees) concerning and relating to the passage of this resolution/ordinance were adopted in an open meeting of this Council (Board, council or trustees) and of any of its committees that resulted in such formal actions were in meetings open to the public in compliance with all legal requirements including Sections 121.22 of the Ohio Revised Code.

Section 5. That this resolution shall be in full force and effect immediately upon its adoption.

Action Taken:

Member voted S. Hughes - yea
Member voted K. Heckler - yea
Member voted S. Seibert - yea
Member voted T. Seibert - yea
Member voted K. Hughes - yea
Member voted A. Grunden - yea
Member voted

Kristina Boroff
Clerk

RESOLUTION 2019-3

A RESOLUTION APPROVING THE MERCER COUNTY WASTE DISTRICT'S AMENDED DRAFT SOLID WASTE MANAGEMENT PLAN; AND DECLARING AN EFFECTIVE DATE.

WHEREAS, the Amended Draft Solid Waste Management Plan (hereinafter referred to as "Plan") is prepared in accordance with Ohio Revised Code ("ORC") Section 3734, specifically ORC Section 3734.50, the State of Ohio's Solid Waste Management Plan and the Ohio Environmental Protection Agency's guidelines; and

WHEREAS, the Plan also describes strategies and programs that will be implemented to meet or exceed the minimum state waste reduction goals and objectives; and

WHEREAS, The Mercer County Solid Waste Management District (hereinafter referred to as "District") completed the draft of the Plan and the Ohio Environmental Protection Agency received it on April 4, 2018; and

WHEREAS, the Ohio Environmental Protection Agency provided comments in a non-binding advisory opinion on May 18, 2018; and

WHEREAS, the District's Policy Committee has reviewed the non-binding advisory opinion received from the Ohio Environmental Protection Agency and taken these comments into consideration and incorporated changes into the Plan as appropriate; and

WHEREAS, the District has conducted a 30-day comment period from January 7, 2019 to February 5, 2019, and a public hearing was held on February 12, 2019 to provide the public an opportunity to comment on the Plan; and

WHEREAS, the Plan provides for a fee schedule that generates the required revenue to cover the costs of implementing the strategies and programs designed to meet or exceed the minimum state waste reduction goals and objectives; and

WHEREAS, the Village of St. Henry, Ohio is located within the jurisdiction of the Mercer County Solid Waste Management District; and

WHEREAS, Council for the Village of St. Henry, Ohio have received a copy of the Plan.

NOW, THEREFORE, BE IT RESOLVED by the Council of the Village of St. Henry, County of Mercer, State of Ohio, three-fourths of all members elected thereto concurring to-wit:

SECTION ONE:

The Village of St. Henry, Ohio approves the Plan.

SECTION TWO:

The Village Clerk is hereby directed to send the District a copy of this Resolution to the attention of Mr. Kent Hinton, District Coordinator, 220 W. Livingston Street, Suite A230, Celina, Ohio 45822.

SECTION THREE:

That it is found and-determined that all formal actions of the Council for the Village of St. Henry, Ohio concerning and relating to the passage of this Resolution were adopted in an open meeting of this Council and of any of its committees that resulted in such formal actions were in meetings open to the public in compliance with all legal requirements including Section 121.22 of the Ohio Revised Code.

SECTION FOUR:

This Resolution shall take effect and be in force from and after the earliest period allowed by law.

Passed this 22nd day of April, 2019.


Steven J. Koesters, Mayor

Attest:

Approved:


Ruth F. Miller, Fiscal Officer


Richard M. Delzeith, Solicitor

CERTIFICATE OF POSTING

I, Ruth F. Miller, Fiscal Officer of the Village of St. Henry, Ohio, do hereby certify that Ordinance/Resolution No. 2019-3 was duly made by posting the summary in The Daily Standard on 4/24/19 and 5/1/19.


Fiscal Officer, Village of St. Henry

5/6/19
Date

**VILLAGE OF FORT RECOVERY
RESOLUTION NO. 2019-07**

**A RESOLUTION APPROVING THE MERCER COUNTY
SOLID WASTE MANAGEMENT DISTRICT'S AMENDED DRAFT
SOLID WASTE MANAGEMENT PLAN; AND DECLARING
AN EFFECTIVE DATE.**

WHEREAS, the Village of Fort Recovery, Ohio, is located within the jurisdiction of the Mercer County Solid Waste Management District ("District").

WHEREAS, the Amended Draft Solid Waste Management Plan ("Plan") is prepared in accordance with Ohio Revised Code § 3734, specifically § 3734.50, the State of Ohio's Solid Waste Management Plan and the Ohio Environmental Protection Agency's guidelines.

WHEREAS, the Plan describes strategies and programs that will be implemented to meet or exceed the minimum state waste reduction goals and objectives.

WHEREAS, the District completed the draft of the Plan and the Ohio Environmental Protection Agency received it on April 4, 2018.

WHEREAS, the Ohio Environmental Protection Agency provided comments in a non-binding advisory opinion on May 18, 2018.

WHEREAS, the District's Policy Committee has reviewed the non-binding advisory opinion received from the Ohio Environmental Protection Agency and taken these comments into consideration and incorporated changes into the Plan as appropriate.

WHEREAS, the District has conducted a 30-day comment period from January 7, 2019 to February 5, 2019 and a public hearing was held on February 12, 2019 to provide the public an opportunity to comment on the Plan.

WHEREAS, the Plan provides for a fee schedule that generates the required revenue to cover the costs of implementing the strategies and programs designed to meet or exceed the minimum state waste reduction goals and objectives.

WHEREAS, Council for the Village of Fort Recovery have received a copy of the Plan.

NOW, THEREFORE, BE IT RESOLVED, by the Council of the Village of Fort Recovery, County of Mercer, State of Ohio, that:

SECTION 1: The Village of Fort Recovery, Ohio, approves the Plan.

SECTION 2: The Village Clerk is hereby directed to send the District a copy of this Resolution to the attention of Mr. Kent Hinton, District Coordinator, 220 W. Livingston Street, Suite A230, Celina, Ohio 45822.

SECTION 3: That it is found and determined that all formal actions of the Council for the Village of Fort Recovery, Ohio, concerning and relating to the passage of this Resolution were adopted in an open meeting of this Council and of any of its committees that resulted in such formal actions were in meetings open to the public in compliance with all legal requirements including § 121.22 of the Ohio Revised Code.

SECTION 4: This Resolution shall take effect and be in force from and after the earliest period allowed by law.

Adopted on this 10th day of May, 2019.

Attest:

Roberta Staugler
Roberta Staugler, Village Fiscal Officer

David A. Kaup
David A. Kaup, Mayor

Approved:

Erin M. Abels
Erin M. Abels, Village Solicitor



CERTIFICATE

I, Roberta Staugler, hereby certify that the above is a true copy of the Resolution passed at a regular meeting of the Village of Fort Recovery Council held on May 6, 2019.



Roberta Staugler
Roberta Staugler, Clerk

CERTIFICATE

I, Roberta Staugler, hereby certify that there is no newspaper printed in the Village of Fort Recovery and that publication of the foregoing Resolution was made by posting true copies thereof at five of the most public places in the Village, as determined by the Village of Fort Recovery Council. Those places are as follows: Village of Fort Recovery Council Chambers, Second National Bank, Mercer Savings Bank, First Financial Bank, and the Fort Recovery Library.



Roberta Staugler
Roberta Staugler, Clerk



APPENDIX D

IDENTIFICATION OF CONSULTANTS RETAINED FOR PLAN PREPARATION



Identification of Consultants for Plan Preparation

Consulting Firm:

GT Environmental, Inc.
2400 Corporate Exchange Drive
Suite 150
Columbus, Ohio 43231

Project Manager:

James A. Skora
Materials Management and Sustainability Business Unit Manager
(330) 603-0138



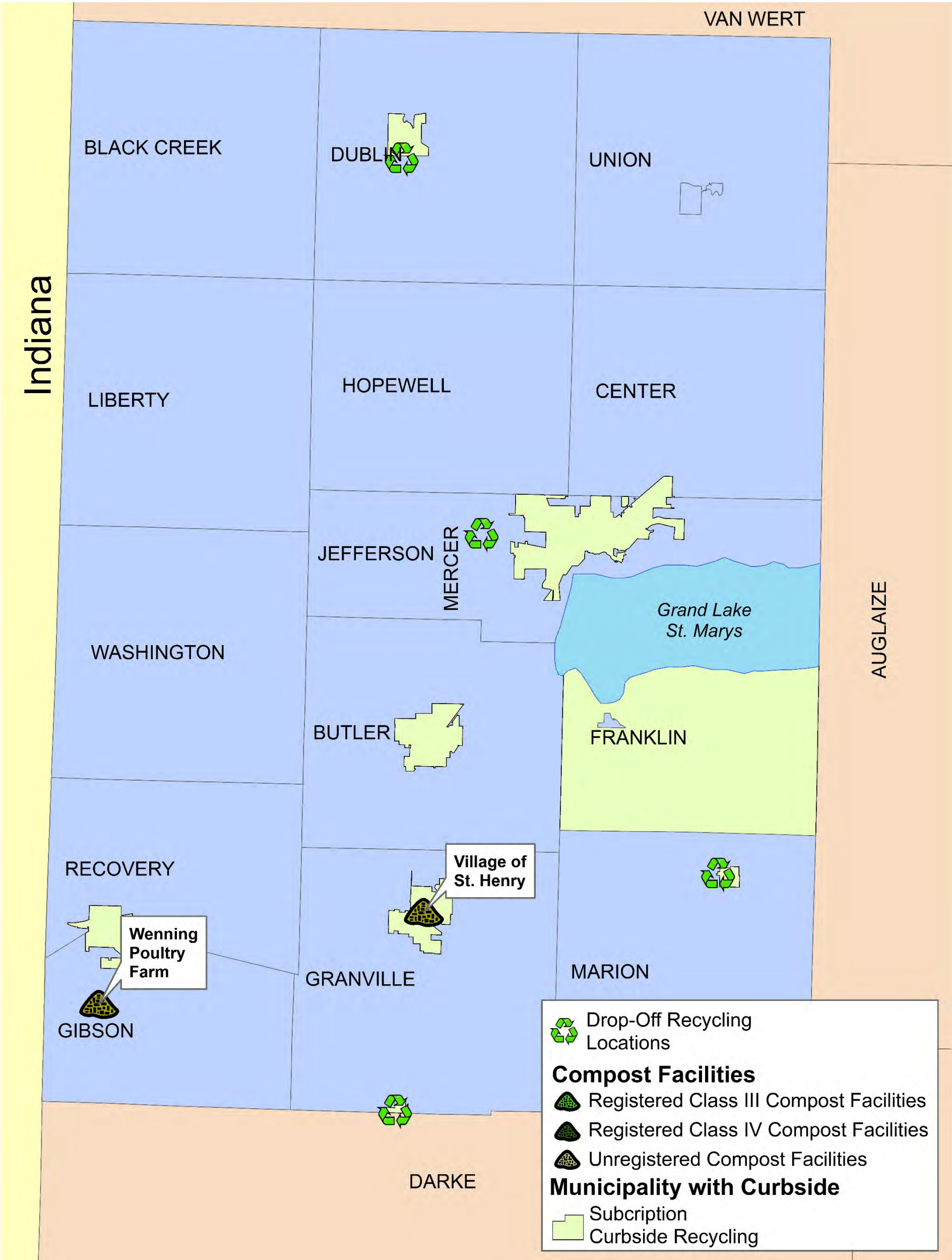


APPENDIX E

DISTRICT MAP



District Map





APPENDIX F

INDUSTRIAL SURVEY RESULTS



Appendix F
Mercer County Solid Waste Management District
Amount of Industrial Waste Recycled by Standard Industrial Classification (SIC) Category (Tons) as Reported on Industrial Surveys

Type of Waste	20	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	Total
Cardboard	282.0	-	-	23.0	-	-	78.4	-	-	21.3	5.0	8.6	382.0	123.8	52.6	0.5	-	-	24.0	1,001.2
Ferrous Metals	125.0	-	-	-	-	-	5.2	-	-	-	5.0	73.5	1,185.3	19,792.9	20,335.7	12.0	-	-	-	41,534.6
Wood	174.5	-	-	250.0	-	-	75.4	-	-	-	30.0	2.0	122.0	30.5	288.0	-	-	-	-	972.4
Food	3,250.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,250.0
Non-Ferrous Metals	3.1	-	-	0.1	-	-	32.7	-	-	0.5	1.0	3.0	10,088.8	869.3	40.9	0.2	-	-	-	11,039.6
Paper	7.0	-	-	0.3	-	-	3,330.3	-	-	0.3	8.0	4.0	7.3	8.5	34.4	0.5	-	-	-	3,400.5
Plastic	-	-	-	35.0	-	-	63.8	-	-	1,250.0	-	1.0	46.0	10.5	61.9	0.2	-	-	-	1,468.4
Commingled	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Glass	-	-	-	-	-	-	-	-	-	-	-	0.3	-	-	-	-	-	-	-	0.3
Yard Waste	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Misc.	-	-	-	-	-	-	12.0	-	-	-	-	3,800.0	41.0	-	-	-	-	-	-	3,853.0
Batteries	-	-	-	-	-	-	-	-	-	-	-	-	0.3	0.1	0.2	-	-	-	-	0.6
Total	3,841.6	-	-	308.4	-	-	3,597.7	-	-	1,272.0	49.0	3,892.4	11,872.7	20,835.6	20,813.7	13.4	-	-	24.0	66,520.4

Source(s) of information:
CY 2016 Industrial Survey Responses

Appendix F
Mercer County Solid Waste Management District
Amount of Industrial Waste Generated by Standard Industrial Classification (SIC) Category (Tons) as Reported on Industrial Surveys

Type of Waste	20	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	Total
Cardboard	282.0	-	-	23.0	-	-	78.4	-	-	21.3	5.0	8.6	382.0	123.8	52.6	0.5	-	-	24.0	1,001.2
Ferrous Metals	125.0	-	-	-	-	-	5.2	-	-	-	5.0	73.5	1,185.3	19,792.9	20,335.7	12.0	-	-	-	41,534.6
Wood	174.5	-	-	250.0	-	-	75.4	-	-	-	30.0	2.0	122.0	30.5	288.0	-	-	-	-	972.4
Food	3,250.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,250.0
Non-Ferrous Metals	3.1	-	-	0.1	-	-	32.7	-	-	0.5	1.0	3.0	10,088.8	869.3	40.9	0.2	-	-	-	11,039.6
Paper	7.0	-	-	0.3	-	-	3,330.3	-	-	0.3	8.0	4.0	7.3	8.5	34.4	0.5	-	-	-	3,400.5
Plastic	-	-	-	35.0	-	-	63.8	-	-	1,250.0	-	1.0	46.0	10.5	61.9	0.2	-	-	-	1,468.4
Commingled	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Glass	-	-	-	-	-	-	-	-	-	-	-	0.3	-	-	-	-	-	-	-	0.3
Yard Waste	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Misc.	-	-	-	-	-	-	12.0	-	-	-	-	3,800.0	41.0	-	-	-	-	-	-	3,853.0
Batteries	-	-	-	-	-	-	-	-	-	-	-	-	0.3	0.1	0.2	-	-	-	-	0.6
General Solid Waste	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	3,841.6	-	-	308.4	-	-	3,597.7	-	-	1,272.0	49.0	3,892.4	11,872.7	20,835.6	20,813.7	13.4	-	-	24.0	66,520.4

Source(s) of information:
CY 2016 Industrial Survey Responses



APPENDIX G

RESIDENTIAL/COMMERCIAL/INDUSTRIAL SURVEY INSTRUMENTS



MERCER COUNTY

Solid Waste Management District

220 W. Livingston Street | Room A230 | Celina, OH 45822 | Ph: (419)586-3695
Fax: (419)584-1820 | Email: solidwaste@mercercountyohio.org

February 2017

Dear Solid Waste/Recycling Manager:

The Mercer County Solid Waste District (District) is conducting a survey of District municipalities, haulers, recyclers, compost facilities and businesses to obtain solid waste recycling and waste reduction information. The purpose of this survey is to gather important data and information that will be used for planning for current and future waste and recycling programs in the District, to help the District complete its "Annual District Report" and "Solid Waste Plan Update".

To assist the District, we are requesting that you complete the enclosed survey to the best of your ability so that we may, in turn, support you with future programs. Please complete as much of the survey as possible. **Your assistance with this survey will also help the District achieve the long-term goal of reducing the reliance on landfills through increased waste reduction programs and management techniques, allowing you the opportunity to control future costs.**

We appreciate your personal attention in the completion of the enclosed survey. The survey should be completed **using only calendar year 2016 data**. Please be assured that your establishment will not be identified by name in the District's planning efforts.

Please return the completed survey in the enclosed envelope to GT Environmental, Inc. (GT), the District's consultant, **by March 24, 2017**, or fax your completed survey to 419-584-1820. If you have questions about the survey, please call Molly Kathleen with GT at 614-794-3570 x11. We appreciate your cooperation in completing this survey.

Sincerely,



Kent Hinton
District Coordinator

Enclosure

MERCER COUNTY SOLID WASTE DISTRICT 2016 MUNICIPAL RECYCLING SURVEY



Confidentiality: The Mercer County Solid Waste District (District) will use the information in this survey for summary purposes only to identify types of wastes that may be further reduced or recycled. **Instructions:** Please complete all of the following survey to the best of your ability. Only include recyclable data that is generated from Mercer County in 2016. Upon completion of this survey, please return the survey by **March 24, 2017**. An addressed envelope is enclosed for your convenience or you can fax the survey to 419-584-1820. If you have any questions regarding the completion of this survey, please call the District's consultant, Molly Kathleen, with GT Environmental at 614-794-3570 x11.

Part I - General Information

**Municipality
Name**

Address

City

Contact Person

Title

Email

Zip

Phone

Fax

Part II – Recycling

1. Type of Recycling Program:

Please check the type of recycling program operated in your community and complete the required information for the type of program you offer.

A. Non-Subscription Curbside Program: ☐ **Number of Households:** _____
(All single family household residents have access to the recycling program whether or not they participate. Recycling can be paid for by residents or by the political jurisdiction)

B. Subscription Curbside Program: ☐ **Number of Subscribers:** _____
(Residents request and pay for recycling with a subscription fee)

C. Drop-Off Recycling ☐ (Please Complete Table 2)
(Recycling collection containers available to the public)

2. Refuse Service Providers:

List the public/private refuse service providers that serve your community:

1. _____	4. _____
2. _____	5. _____
3. _____	6. _____

3. Yard Waste Management:

Does your Community Offer Yard Waste Collection? ☐ Yes ☐ No

Provide the total tons of each yard waste type collected in 2016:

Grass _____ (tons)	Receiving Compost Facility _____
Leaves _____ (tons)	Receiving Compost Facility _____
Brush _____ (tons)	Receiving Compost Facility _____

4. Materials Recycled

Table 1 – Please report the actual number of tons **recycled by your community**. The data in the **recycled column is used to calculate the District's progress in meeting state and local recycling goals**. The values reported are for calendar year 2016. For data conversions, assume 2000 Pounds = 1 ton, 3 cubic yards = 1 ton, 7.5 lbs/gallon for used motor oil and 8 lbs/gallon for used antifreeze.

Table 1 –All Recycling (including curbside, drop off and special collections) in 2016

Waste Stream Type	Solid Waste Recycled (tons)	Waste Stream Type	Solid Waste Recycled (tons)
Paper		PETE Plastic (#1)	
Cardboard		HDPE Plastic (#2)	
Newsprint		PVC Plastic (#3)	
Office Paper		LDPE Plastic (#4)	
Other Paper (specify)		Polypropylene Plastic (#5)	
Fabrics & Cloth		Polystyrene Plastic (#6)	
Wood		Other Plastics (specify)	
Pallets		Food	
Aluminum Beverage Containers		Appliances	
Steel Beverage Containers		Used Motor Oil (Residential Only)	
Non-Ferrous Metals (aluminum)		Used Antifreeze (Residential Only)	
Ferrous Metals (steel, iron)		Commingled Recyclables	
Copper		Other:	
Brass		Other:	
Glass		Other:	
Rubber (Tires)		Total Tons Recycled in 2016	

Table 2 –Drop-Off Recycling 2016

Table 2 - Please complete Table 2 for each drop-off center. Enter the data in **tons** (2000 Pounds = 1 ton). Conversion from cubic yards to tons is (3 cy = 1 ton). For data conversions, assume 2000 Pounds = 1 ton, 3 cubic yards = 1 ton, 7.5 lbs/gallon for used motor oil and 8 lbs/gallon for used antifreeze.

Drop-Off Address	Operating Days and Hours	Materials Accepted	Total Tons Collected in 2016

**Return the survey in the enclosed stamped envelope or fax to 419-584-1820
THANK YOU FOR COMPLETING THIS SURVEY!**

MERCER COUNTY SOLID WASTE DISTRICT 2016 MUNICIPAL CURBSIDE RECYCLING SURVEY



Confidentiality: The Mercer County Solid Waste District (District) will use the information in this survey for summary purposes only to identify types of wastes that may be further reduced or recycled. **Instructions:** Please complete all of the following survey to the best of your ability. Only include recyclable data that is generated from Mercer County in 2016. Upon completion of this survey, please return the survey by **May 12, 2017**. Please fax the survey to 419-584-1820. If you have any questions regarding the completion of this survey, please call the District's consultant, Molly Kathleen, with GT Environmental at 614-794-3570 x11.

Part I - General Information

Municipality
Name

Address

City

Contact Person

Title

Email

Zip

Phone

Fax

Part II – Curbside Recycling

1. Type of Recycling Program:

A. Subscription Curbside Program:

- Number of Recycle Bags Sold in 2016: _____ Bags
- Times Number of Bags Above by 20 Pounds/Bag: _____ Bags x 20 = _____ Totals
Pounds Recycled in 2016.
- Pounds of Recycles Converted to Tons: _____ Pounds / 2,000 = _____ Tons
Recycled in 2016

Return the survey via fax to 419-584-1820

THANK YOU FOR COMPLETING THIS SURVEY!

MERCER COUNTY SOLID WASTE DISTRICT 2016 COMMERCIAL/INSTITUTIONAL RECYCLING SURVEY



Confidentiality: The Mercer County Solid Waste District (District) will use the information in this survey for summary purposes only to identify types of wastes that may be further reduced or recycled. **Instructions:** Please complete all of the following survey to the best of your ability. Only include solid waste/recyclable data that is generated from Mercer County in 2016. Upon completion of this survey, please return the survey by **March 24, 2017**. An addressed envelope is enclosed for your convenience or you can fax the survey to 419-584-1820. If you have any questions regarding the completion of this survey, please call the District's consultant, Molly Kathleen, with GT Environmental at 614-794-3570 x11.

Part I - General Information

Name of Company			
Address			
City		Zip	
Contact Person		Phone	
No. of Employees		SIC Code	

Part II –Recycling

Table 1 –Data recorded in this table should include all of the recyclables generated by your company in 2016 along with the processor/recycler/broker used for each material recycled. Please estimate the quantities of **each type** of material recycled in tons. **The data in the recycled column is used to calculate the District's progress in meeting state and local recycling goals.** For data conversions assume the following: 2000 Pounds = 1 ton, 3 cubic yards = 1 ton, 7.5 lbs per gallon for used oil and 8 lbs/gallon for used antifreeze.

Table 1 –Recycling in 2016

Category	Total Tons Recycled	Processor/Recycler/Broker (Name/Address/Phone)
Mixed Paper		
Cardboard ¹ (use Table 2 if needed)		
Newsprint		
Office Paper		
Other Paper (specify)		
Textiles		
Wood		
Sawdust		
Board Ends		
Pallets		
Aluminum Beverage Containers		
Steel Beverage Containers		
Non-Ferrous Metals (aluminum)		
Ferrous Metals (steel, iron)		
Copper, Brass		
Glass		
PETE Plastic (#1)		
HDPE Plastic (#2)		
PVC Plastic (#3)		
LDPE Plastic (#4)		
Polypropylene Plastic (#5)		
Polystyrene Plastic (#6)		

Category	Total Tons Recycled	Processor/Recycler/Broker (Name/Address/Phone)
Other Plastics (specify)		
Rubber (not including tires)		
Passenger Tires		
Light Truck/Semi Tires		
Tractor Tires		
Composites		
Food		
Appliances (white goods)		
Lead Acid Batteries		
Dry Cell Batteries		
Used Oil (residential only)		
Used Antifreeze (residential only)		
Yard Waste		
Commingled Recyclables		
Other:		
Other:		
Other:		
Other:		
Totals		

¹ The District realizes that commercial businesses may primarily recycle cardboard only but may not have actual weights of the cardboard based on the style of service provided (dumpster service). The District has provided the following table to document the amount of cardboard recycled annually. Simply fill in the size of your dumpster (2, 4, 6, 8 or 10 cubic yard), how full it is when picked up on average (as a percentage) and the number of times the dumpster is emptied each week. Then use the formula in the table below to calculate your annual tonnage of cardboard. An example is given to assist you in the calculation. If you have additional dumpsters, simply perform the same exercise for each separate dumpster. The total tons recycled can then be transferred to the cardboard total in Table 1.

Table 2 – Recycled Cardboard Calculator

Dumpster	Size of Dumpster (cubic Yards) (a)	Percentage Full When Picked Up (b)	No of Pickups per Week (c)	Estimated Cardboard Recycled (Tons) (a) x (b) x (c) x 52 / 20
Example	6 cubic yards	80% full	1 time/week	(6 x 0.80 x 1 x 52 / 20) = 12.48 tons
1				
2				
3				
4				
5				
Total Cardboard Recycled in Tons (Enter in Table 1)				

Return the survey in the enclosed stamped envelope or fax to 419-584-1820

THANK YOU FOR COMPLETING THIS SURVEY!

MERCER COUNTY SOLID WASTE DISTRICT 2016 INDUSTRIAL RECYCLING SURVEY



Confidentiality: The Mercer County Solid Waste District (District) will use the information in this survey for summary purposes only to identify types of wastes that may be further reduced or recycled. **Instructions:** Please complete all of the following survey to the best of your ability. Only include solid waste recyclable data and solid waste disposal data that is generated from Mercer County in 2016. Upon completion of this survey, please return the survey by **March 24, 2017**. An addressed envelope is enclosed for your convenience or you can fax the survey to 419-584-1820. If you have any questions regarding the completion of this survey, please call the District's consultant, Molly Kathleen, with GT Environmental at 614-794-3570 x11.

Part 1 - General Information

Name of Company			
Address			
City		Zip	
Contact Person		Phone	
No. of Employees		SIC Code	

Part 2 –Recycling

Table 1 – Data recorded in this table should include all of the materials recycled/disposed by your company in 2016 along with the processor/recycler/broker/landfill/transfer station used for each material. Please estimate the quantities of **each type** of material recycled in tons. **The data in the recycled column is used to calculate the District's progress in meeting state and local recycling goals.** For data conversions assume the following: 2000 pounds = 1 ton and 3 cubic yards = 1 ton.

Table 1 –Disposal and Recycling in 2016

Category	Total Tons Recycled	Total Tons Disposed	Processor/Recycler/Broker/Landfill Transfer Station (Name/Address/Phone)
Mixed Paper			
Cardboard ¹			
Newsprint			
Office Paper			
Other Paper (specify)			
Textiles			
Wood			
Sawdust			
Board Ends			
Pallets			
Aluminum Beverage Containers			
Steel Beverage Containers			
Aluminum			
Ferrous Metals/Steel/Iron			
Copper			
Glass			
PETE Plastic (#1)			
HDPE Plastic (#2)			
PVC Plastic (#3)			

Category	Total Tons Recycled	Total Tons Disposed	Processor/Recycler/Broker/Landfill Transfer Station (Name/Address/Phone)
LDPE Plastic (#4)			
Polypropylene Plastic (#5)			
Polystyrene Plastic (#6)			
Other Plastics (specify)			
Rubber (not including tires)			
Passenger Tires			
Light Truck/Semi Tires			
Tractor Tires			
Non-Exempt Foundry Sand			
Concrete			
Composites			
Food			
Appliances (white goods)			
Lead Acid Batteries			
Dry Cell Batteries			
Yard Waste			
Commingled Recyclables			
Solid Waste/Trash			
Other:			
Other:			
Totals			

- ¹ The District realizes that industrial businesses may recycle cardboard but may not have actual weights of the cardboard based on the style of service provided (dumpster service). The District has provided the following table to document the amount of cardboard recycled annually. Simply fill in the size of your dumpster (2, 4, 6, 8 or 10 cubic yard), how full it is when picked up on average (as a percentage) and the number of times the dumpster is emptied each week. Then use the formula in the table below to calculate your annual tonnage of cardboard. An example is given to assist you in the calculation. If you have additional dumpsters, simply perform the same exercise for each separate dumpster. The total tons recycled can then be transferred to the cardboard total in Table 1.

Table 2 – Recycled Cardboard Calculator

Dumpster	Size of Dumpster (cubic Yards) (a)	Percentage Full When Picked Up (b)	No of Pickups per Week (c)	Estimated Cardboard Recycled (Tons) $(a) \times (b) \times (c) \times 52 / 20$
Example	6 cubic yards	80% full	1 time/week	$(6 \times 0.80 \times 1 \times 52 / 20)$ = 12.48 tons
1				
2				
3				
4				
Total Cardboard Recycled in Tons (Enter in Table 1)				

**Return the survey in the enclosed stamped envelope or fax to 419-584-1820
THANK YOU FOR COMPLETING THIS SURVEY!**

MERCER COUNTY SOLID WASTE DISTRICT 2016 YARD WASTE/COMPOST FACILITY SURVEY



Confidentiality: The Mercer County Solid Waste District (District) will use the information in this survey for summary purposes only to identify types of wastes that may be further reduced or recycled. **Instructions:** Please complete all of the following survey to the best of your ability. Only include solid waste compost data that is generated from Mercer County in 2016. Upon completion of this survey, please return the survey by **March 24, 2017**. An addressed envelope is enclosed for your convenience or you can fax the survey to 419-584-1820. If you have any questions regarding the completion of this survey, please call the District's consultant, Molly Kathleen, with GT Environmental at 614-794-3570 x11.

Part 1 – General Information

Company Name: _____
 Address: _____
 City, State, Zip: _____
 Contact Name: _____
 Phone Number: _____

Designed Facility Processing Capacity: _____
 Actual Tons per day: _____ Actual Tons per Year: _____
 Hours of Operation per Week: _____

Part 2- Composting Operations in 2016

Material Received from Mercer County	Residential/ Commercial Material (Tons) (A)	Industrial Material (Tons) (B)	Total Material (Tons) (A+B)	Non- Compostables landfilled (TPY)	Final Compost Produced (TPY)
Grass					
Leaves					
Brush					
Other:					
Other:					
Other:					
Other:					
Totals					

TPY = Tons Per Year

Return the survey in the enclosed stamped envelope or fax to 419-229-2156

THANK YOU FOR COMPLETING THIS SURVEY!

MERCER COUNTY SOLID WASTE DISTRICT

2016 SOLID WASTE HAULER SURVEY

Confidentiality: The Mercer County Solid Waste District (District) will use the information in this survey for summary purposes only to identify types of wastes that may be further reduced or recycled. **Instructions:** Please complete all of the following survey to the best of your ability. Only include recyclable data that is generated from Mercer County in 2016. Upon completion of this survey, please return the survey by **May 5, 2017**. Please fax the survey to 614-899-9255. If you have any questions regarding the completion of this survey, please call the District's consultant, Erin Oulton, with GT Environmental at 614-794-3570 x19.

Part 1 – General Information

Company Name: Maharg Inc

Address: 3726 Monroe Road

City, State Zip: Celina, OH 45822

Contact Name: Mike Maharg

Phone Number: 419-586-3130

Part 2 – Solid Waste Services Provided in 2016

Table 1 – Solid Waste Services by Community in the District

List the City, Township or Villages Serviced	County	Type of Service Provided (see key)	Tons Collected Per Service Provided	Facility Used
<i>Example: City of Lima</i>	<i>Allen</i>	<i>CRTC RRDO CRC</i>	<i>10,500 tons 1,500 tons 2,000 tons</i>	<i>XYZ Landfill ABC Recycling ABC Recycling</i>
Burkettsville Village	Mercer			
City of Celina	Mercer			
Village of Chickasaw	Mercer			
Village of Coldwater	Mercer			
Village of Ft. Recovery	Mercer			
Village of Mendon	Mercer			
Village of Montezuma	Mercer			
Village of Rockford	Mercer			
Village of St. Henry	Mercer			

Key: **CRTC** Curbside Residential Trash Collection
CRRC Curbside Residential Recyclables Collection
CRPAYT Curbside Residential Pay-As-You-Throw
IRC Industrial Recyclables Collection

CRYC Curbside Residential Yard Waste Collection
CRYC Commercial Recyclables Collection
RRDO Residential Recycling Drop-Off

Return the survey via fax to 614-899-9255
THANK YOU FOR COMPLETING THIS SURVEY!

MERCER COUNTY SOLID WASTE DISTRICT 2016 RECYCLING FACILITY/BROKER/PROCESSOR SURVEY



Confidentiality: The Mercer County Solid Waste District (District) will use the information in this survey for summary purposes only to identify types of wastes that may be further reduced or recycled. **Instructions:** Please complete all of the following survey to the best of your ability. Only include solid waste/recyclable data that is generated from Mercer County in 2016. Upon completion of this survey, please return the survey by **March 24, 2017**. An addressed envelope is enclosed for your convenience or you can fax the survey to 419-584-1820. If you have any questions regarding the completion of this survey, please call the District's consultant, Molly Kathleen, with GT Environmental at 614-794-3570 x11.

Part 1 - General Information

Name of Company _____
 Address _____
 Township _____ County _____
 City _____ Zip _____
 Contact Person _____ Title _____
 Phone _____ Fax _____

Hours Open to the Public: _____ Days Open to the Public: _____

Part 2 – Recycling Information

1. What is the percentage of recyclables accepted at your facility for residential, commercial and industrial from the District?

_____ % Residential _____ % Commercial _____ % Industrial

2. What is the percentage of recyclables accepted at your facility for residential, commercial and industrial from the outside of the District?

_____ % Residential _____ % Commercial _____ % Industrial

The following questions pertain to the in-district totals only.

3. What is the facility design capacity?

_____ Daily processing capacity in tons _____ Annual processing capacity in tons

4. What is the actual daily and annual processing capacity of your facility?

_____ Daily processing capacity in tons _____ Annual processing capacity in tons

5. In 2016, where did your facility accept material from? Please check all that apply.

☐ District County ☐ Regional-Multi-Ohio Counties ☐ Central Ohio
☐ All of Ohio ☐ Municipality where business is located ☐ Out of State

6. How do you define your facility? Please check all that apply.

☐ Recycling Broker ☐ Scrap Yard ☐ Buyback Recycling Center
☐ Drop-off Facility ☐ Hauler Collection ☐ Licensed Auto Salvage Dealer

7. Is your facility: ☐ publicly available ☐ private use only

8. Please report the amount of solid waste **recycled in 2016 from Mercer County on Table 1. The data requested in the recycled column is very important.** This information is used to calculate the District's progress in meeting state and local recycling goals. Enter the data in **tons**. For data conversions assume 2000 pounds = 1 ton, 3 cubic yards=1ton. For motor oil assume 7.5 lbs/gallon and for antifreeze assume 8 lbs/gallon.

Table 1 - Solid Waste Recycling in 2016

Waste Stream Type	Solid Waste Recycled (tons)	From What District Community (ie. Celina)
Mixed Paper		
Cardboard		
Newsprint		
Office Paper		
Other (specify)		
Fabrics & Cloth		
Wood		
Sawdust Bark		
Board ends		
Pallets		
Aluminum Cans		
Non-Ferrous Metal (Aluminum)		
Steel/tin Food Cans		
Ferrous Metals (iron, steel)		
Copper		
Other Metals (specify)		
Glass		
Mixed Plastics		
PETE (#1)		
HDPE (#2)		
PVC (#3)		
LDPE (#4)		
Polypropylene (#5)		
Polystyrene (#6)		
Other Plastics (specify)		
Rubber		
Stone/Clay/Sand		
Concrete		
Non-Exempt Foundry Sand/Slag		
Ash		
Sludge		
Food		
Non-hazardous Chemicals		
Composites		
Used Motor Oil (Residential Only)		
Used Antifreeze (Residential Only)		
Other:		
Totals		

**Return the survey in the enclosed stamped envelope or fax to 419-584-1820
THANK YOU FOR COMPLETING THIS SURVEY!**



APPENDIX H

Landfill Permit





John R. Kasich, Governor
Mary Taylor, Lt. Governor
Craig W. Butler, Director

August 14, 2018

Celina Sanitary Landfill, Inc.
6141 Depweg Road
Celina, OH 45822

**Re: Celina Sanitary Landfill
Permit - Long Term
Approval
Municipal Solid Waste Landfills
Lorain County
MSW018816**

Subject: Final Permit to Install Application for Celina Sanitary Landfill

Dear Madam or Sir:

The Ohio Environmental Protection Agency, pursuant to Ohio Administrative Code Rule 3745-27-02 and the rules adopted thereunder, has reviewed the application for a permit with accompanying detail plans, specifications and/or information (hereinafter referred to as "application") regarding the above-referenced facility. This application has been approved by the Director subject to the conditions of compliance contained in the permit approval enclosed herewith and with all applicable laws, rules and standards. All construction must be supervised by an engineer or expert qualified in such work. Because the permit approval contains conditions of compliance, I urge you to read it carefully. Also inclosed is a Response to Comments.

You are requested to submit within thirty (30) days of the date of issuance of this Permit to Install, the required permit fee balance of six hundred dollars (\$1000.00 - \$400.00 application fee = \$600.00), payable to **Treasurer, State of Ohio**. Please send the required payment to:

Ohio Environmental Protection Agency
Permit to Install Fee
Dept L-2711
Columbus, OH 43260-2711

Payment of the fee balance within 30 days is a requirement of ORC Sections 3745.11 (Q) and (V). Failure to timely submit the required permit fee will result in an assessment of late penalties.

You are hereby notified that this action of the Director of Ohio EPA (Director) is final and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of \$70.00 made payable to "Treasurer, State of Ohio." The Commission, in its discretion, may reduce the fee if by affidavit it is demonstrated that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
30 East Broad Street, 4th Floor
Columbus, Ohio 43215

If you have any questions, please contact the Ohio EPA District Office to which you submitted your application.

Sincerely,

A handwritten signature in black ink, appearing to read "Greg Nichols", written over a horizontal line.

Gregory Nichols,
Division of Materials and Waste Management

Enclosure

cc: Jeremy Carroll, DMWM, CO
Scott Hester, DMWM, CO
Mary McCarron, PIC
Heather Lauer, PIC
Mike Reiser, DMWM, NWDO
Andy Drumm, DMWM, NWDO
Applicable Health District

OHIO ENVIRONMENTAL PROTECTION AGENCY

PERMIT TO INSTALL

Application Number: 1215087
Application Received: February 8, 2018
Permit Fee: \$1,000.00
Permit Fee Balance: \$600.00

Applicant: Celina Sanitary Landfill, Inc.
Address: 6141 Depweg Rd.
Celina, Ohio 45822

Facility: Celina Sanitary Landfill
Address: 6141 Depweg Rd.
Celina, Ohio 45822

Location: Franklin Township, Section 6

Permit: Vertical Expansion


Issuance Date: AUGUST 14, 2018

Ohio EPA AUG 14 '18
Entered Directors Journal

Effective Date: AUGUST 14, 2018

The above-named entity is hereby issued a permit-to-install (permit) for the above-described source pursuant to Ohio Administrative Code (OAC) Rule 3745-27-02. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed and/or modified in accordance with the plans, specifications, and/or information accompanying the permit application, the above-described source of environmental pollutants will operate in compliance with applicable state and federal laws, rules, and regulations, and does not constitute expressed or implied assurances that, if constructed and/or modified in accordance with those plans, specifications, and/or information accompanying the permit application, the above-described source of environmental pollutants will be granted the necessary operating permits and/or licenses. This permit is issued subject to the attached conditions which are hereby incorporated and made a part hereof.

Ohio Environmental Protection Agency



Craig W. Butler, Director

PERMIT SUMMARY

This permit (PTI Number 1215087) authorizes the vertical expansion of the approved limits of waste placement at Celina Sanitary Landfill (Facility), an existing municipal solid waste landfill located at 6141 Depweg Road, Celina, Ohio in Mercer County. Celina Sanitary Landfill, Inc., a subsidiary of Republic Services, Inc., is the PTI Applicant and the owner and operator of the Facility.

Specifically, the permit authorizes a vertical expansion of approximately 145,557 cubic yards (cy) of airspace on the west and center cell area of the existing landfill. The owner/operator will forgo 323,517 cy airspace previously approved in the 2006 PTI on the east side of the landfill and leave the existing cap from the 1994 permit in place. The proposed expansion volume will provide disposal service for approximately 4.12 years at the average gate waste receipt of 52,000 tons/year or 1.65 years at the current AMDWR of 499 tons/day.

The proposed expansion will incorporate into its construction such features as a surface water management system, a ground water monitoring system, a passive gas venting and monitoring system, a composite final closure cap system, and 30 years of post-closure care and financial assurance for closure and post-closure care.

Leachate is currently collected by the existing separatory liner/leachate collection system which directs leachate to the center cell sump. The leachate is then pumped to leachate storage tanks and hauled to the Mercer County Sanitation waste water treatment plant (WWTP).

A passive gas venting system exists for the Facility that is designed to vent landfill gas out of the landfill.

This summary is provided solely for informational purposes and does not constitute a part of, or otherwise affect, the attached permit.

PERMIT CONDITIONS

1. The Director of the Ohio Environmental Protection Agency (Director), or an authorized representative, may enter upon the premises of the above-named applicant (permittee) at any reasonable time during construction and operation for the purpose of making inspections, conducting tests, or examining records or reports pertaining to the construction, modification, or installation of the above-described source of environmental pollutants (municipal solid waste disposal facility).

2. The Facility shall be constructed in strict accordance with the plans, specifications, and information submitted to the Ohio Environmental Protection Agency (Ohio EPA) which constitute this permit. There shall be no deviation from the approved permit or permit conditions without the express, written approval of Ohio EPA. Any deviation from the approved permit or the permit conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the Facility will operate in compliance with all Ohio laws and regulations. Additional landfill components shall be installed upon orders of Ohio EPA if the Facility is inadequate or cannot meet applicable standards.
3. Issuance of this permit does not relieve the permittee of the duty to comply with all applicable federal, state, and local laws, ordinances, and regulations.
4. This permit shall apply only to the Facility shown on the plans, specifications, and information submitted as part of PTI Number 1215087, received February 8, 2018, with subsequent revisions through August 3, 2018.
5. This permit may be modified, or alternatively revoked and reissued by the Director of Ohio EPA, to comply with any revisions to OAC Chapter 3745-27 applicable to this municipal solid waste disposal facility.
6. The permittee shall provide for the proper maintenance and operation of the Facility in accordance with the provisions of OAC Chapter 3745-27.
7. Nothing in this permit shall be construed to authorize any waiver from the requirements of any applicable federal or state laws or regulations except as specified herein. This permit shall not be interpreted to release the permittee from responsibility under ORC Chapters 3704, 3714, 3734, or 6111; under the Federal Clean Water Act, the Resource Conservation and Recovery Act, or the Comprehensive Environmental Response, Compensation, and Liability Act; or from other applicable requirements for remedying conditions resulting from any release of contaminants to the environment.
8. This permit does not authorize the acceptance of any hazardous or infectious wastes, except those excluded from hazardous waste or infectious waste regulation by ORC Chapter 3734.
9. This permit does not authorize the acceptance of any asbestos or asbestos-containing waste material that is subject to the provisions of NESHAP, 40 CFR Part 61, Subpart M. No such asbestos or asbestos-containing waste material may be accepted without the necessary permits from Ohio EPA.

10. Not later than seven (7) days prior to starting any construction authorized under this permit, the permittee shall submit to Ohio EPA, Division of Materials and Waste Management (DMWM), Northwest District Office (NWDO) and Mercer County Health District written notification of the anticipated construction start date so that construction of the Facility can be routinely inspected by Ohio EPA, DMWM, NWDO and Mercer County Health District.
11. The permittee shall perform the following activities during construction and operation of the Facility in accordance with the cited provisions of OAC Chapter 3745-27 as follows:
 - a. The pre-construction tests required by OAC Rule 3745-27-08(D) shall be performed and the test results submitted to Ohio EPA, DMWM, NWDO not later than seven (7) days prior to the intended use of the materials in construction.
 - b. The pre-construction interface tests required by OAC Rule 3745-27-08(G) shall be performed and the test results submitted to Ohio EPA, DMWM, NWDO not later than seven (7) days prior to the use of each geosynthetic material authorized by this permit.
 - c. The construction certification report required by OAC Rule 3745-27-08(H) shall be submitted to Ohio EPA, DMWM, NWDO and Mercer County Health District not later than forty-five (45) days prior to the anticipated date of waste receipt in any newly constructed areas. Pursuant to OAC Rule 3745-27-19(C)(1), the permittee shall not accept waste in a phase until Ohio EPA, DMWM, NWDO provides written concurrence of the construction certification report for that phase.
12. The permittee shall provide for the following inspections and facility maintenance:
 - a. The permittee shall provide for daily inspection of the Facility and completion of the Municipal Solid Waste Landfill Daily Log of Operations, Form 3. Written results of the inspections, including any corrective actions taken, shall be made available to Ohio EPA, DMWM, NWDO and/or Mercer County Health District upon request.
 - b. Surface water control structures, including sedimentation ponds, sedimentation pond discharge structures, pipes, ditches, and culverts, shall be inspected at least weekly for erosion, clogging, or failure and prompt corrective action shall be taken if necessary. Written results of the inspections, including a discussion of any corrective actions taken, any water quality samples taken, and the date and weather conditions, shall be

recorded on the required daily log forms. The information shall be maintained on site and submitted to Ohio EPA, DMWM, NWDO and/or the Mercer County Health District, upon request.

- c. A sediment survey for each sedimentation pond shall be completed on a yearly basis, and the results from the survey shall be submitted to Ohio EPA, DMWM, NWDO, not later than April 1 with the annual operation report.
 - d. To ensure proper operation of the sedimentation pond(s), the pond(s) shall be cleaned out as necessary when the volume of the settled particles necessitates cleaning based on inspection results or to maintain the storage volume required by OAC Rule 3745-27-08(D)(3). The South and West Sedimentation Ponds shall be cleaned out to their original bottom elevations when the average sediment elevations reach 882.5 feet and 881.0 feet, respectively, based on the design calculations provided in the permit application.
- 13. Construction certification reports for any constructed or repaired engineered component of the Facility shall be submitted to Ohio EPA, DMWM, NWDO, not later than April 1 of the year immediately following the construction or repair, unless otherwise extended by Ohio EPA.
 - 14. The permittee shall construct and fill the landfill in accordance with the 6-series drawings submitted as part of the PTI application and shall commence construction of the final cap system in accordance with the 6-series drawings, regardless of whether or not the entire phase has reached final elevations.
 - 15. Ohio EPA, DMWM, NWDO, shall be notified not later than 2 days prior to any soil sampling or scheduled repair at the site and not later than 24 hours after completing any emergency repair to an existing engineered component. This condition shall not apply to routine landfill maintenance.
 - 16. The permittee shall not store leachate in the landfill without written authorization from the Director as described in OAC Rule 3745-27-19(K)(4). The permittee shall be viewed to be storing leachate if the leachate accumulates to an elevation above the design standard (a maximum of one foot of head above the top elevation of the sump) and the sump pump is not running.
 - 17. The permittee shall fund a new financial assurance instrument or increase the amount listed on the existing financial assurance instrument in accordance with OAC Rules 3745-27-15, 3745-27-16, and 3745-27-17 for the current cost estimates of the facility, including the costs for the newly authorized disposal area.

Funding shall be completed not later than 30 days after the effective date of this permit to install.

18. The Facility's AMDWR is established to be 499 tons. The permittee shall not accept more than 499 tons of solid waste per day for disposal at the Facility.
19. A summary of each month's daily waste receipts and leachate generation volumes shall be submitted to Ohio EPA, DMWM, NWDO by the 15th day of the following month. The summary report shall include the day of the month with the corresponding tonnage and types of waste received for that day. In addition, the summary report shall include the monthly totals of in-district and out-of-district waste received for each category of the reported waste streams. The report shall also provide information regarding leachate transported off-site, including the date of transport, the volume transported, and the destination of the transported leachate.

END OF PERMIT CONDITIONS



APPENDIX I

Ohio EPA Findings and Orders





Mike DeWine, Governor
Jon Husted, Lt. Governor
Laurie A. Stevenson, Director

August 26, 2019

CERTIFIED MAIL

Mr. Jerry Laffin
Chairperson, Policy Committee
Mercer County Solid Waste
Management District
220 West Livingston Street
Celina, Ohio 45822

**Re: Mercer County SWMD
Long Term Planning for Reg Entity
Final Approval or Acknowledgement
Solid Waste Management Planning
Mercer County
SWMD154**

Subject: Approval of the Mercer County Solid Waste Management District's Solid Waste Management Plan Update

Dear Commissioner Laffin:

The Director of the Ohio Environmental Protection Agency (Director) reviewed and approved the Mercer County Solid Waste Management District's (District) ratified draft solid waste management plan update (Plan). Director's Final Findings and Orders approving the Plan are enclosed with this letter. The District should proceed to implement its approved Plan in accordance with the implementation schedule, timeline, and programs contained in the approved Plan.

Please be advised that Ohio Revised Code (ORC) Section 3734.55(C)(4) requires the policy committee to "...annually review implementation of the approved plan... and report its findings and recommendations regarding implementation to the board of county commissioners or board of directors of the district."

Additionally, you are hereby notified that this action of the Director is final and may be appealed to the Environmental Review Appeals Commission pursuant to ORC Section 3745.04. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of \$70.00 made payable to "Treasurer, State of Ohio." The Commission, in its discretion, may reduce the fee if by affidavit it is demonstrated that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
30 East Broad Street, 4th floor
Columbus, Ohio 43215

If you have any questions as the District implements the approved Plan, then please contact me at (614) 728-5317 or kevin.zacharyasz@epa.ohio.gov.

Sincerely,

A handwritten signature in black ink, appearing to be 'K. Zacharyasz', with a long horizontal flourish extending to the right.

Kevin Zacharyasz
Environmental Specialist 2
Division of Materials and Waste Management

Enclosure: Director's Final Findings and Orders

cc (with enclosure): Mike Reiser, Environmental Supervisor, DMWM-NWDO
 Kent Hinton, District Coordinator, Mercer County Solid Waste
 Management District
 Carla Buening, District Program Manager, Mercer County Solid
 Waste Management District
 Erin Oulton, Environmental Planner 1, GT Environmental, Inc.

**BEFORE THE
OHIO ENVIRONMENTAL PROTECTION AGENCY**

In the matter of:

Mercer County Solid
Waste Management District
220 West Livingston Street
Suite A230
Celina, OH 45822

:
:

Director's Final
Findings and Orders

I. JURISDICTION

Ohio EPA AUG 26 '19
Entered Directors Journal

These Director's Final Findings and Orders (Orders) are issued to the Mercer County Solid Waste Management District (District), pursuant to the authority vested in the Director of the Ohio Environmental Protection Agency (Ohio EPA) under Ohio Revised Code (ORC) Section 3734.55(C).

II. PARTIES

These Orders shall be binding upon the District.

III. DEFINITIONS

Unless otherwise stated, all terms used in these Orders shall have the same meanings as defined in ORC Chapter 3734 and the rules promulgated thereunder.

IV. FINDINGS

The director of Ohio EPA has determined the following findings:

1. Pursuant to ORC Section 3734.56, the policy committee of a solid waste management district (SWMD) with an approved solid waste management plan that contains a planning period of fifteen or more years is required to submit an amended solid waste management plan that complies with the requirements in Divisions (A), (B), (D), and (E)(1) of ORC Section 3734.53 to the director of Ohio EPA on or before the fifth year anniversary of the date the existing solid waste management plan was approved.
2. The District's existing solid waste management plan was approved on April 4, 2013 and covers a planning period of fifteen or more years. The District's draft amended solid waste management plan was due to Ohio EPA on April 4, 2018.

3. On April 4, 2018, Ohio EPA received a draft amended solid waste management plan from the District's Policy Committee.
4. Pursuant to ORC Section 3734.55, the director of Ohio EPA is required to provide the policy committee of a SWMD with a written, nonbinding advisory opinion regarding a draft solid waste management plan and any recommended changes to it that the director considers necessary to affect its approval.
5. On May 18, 2018, Ohio EPA mailed a written, nonbinding advisory opinion concerning the draft amended solid waste management plan received on April 4, 2018 to the District's Policy Committee.
6. Pursuant to ORC Section 3734.55, the policy committee of a SWMD is required to submit a draft solid waste management plan that was ratified in accordance with the criteria established in Division (B) of ORC Section 3734.55 to the director of Ohio EPA to be reviewed for compliance with Divisions (A), (B), (D), and (E)(1) of ORC Section 3734.53.
7. On July 2, 2019, Ohio EPA received a ratified, draft, amended solid waste management plan from the District's Policy Committee.
8. The director has determined that the District's ratified, draft, amended solid waste management plan complies with Divisions (A), (B), (D), and (E)(1) of Section 3734.53 of the ORC.

V. ORDERS

1. The District's ratified, draft, amended plan that Ohio EPA received on July 2, 2019 is hereby approved.
2. The District shall proceed to implement its approved solid waste management plan in accordance with the strategies, programs, and activities described in the ratified, draft, amended solid waste management plan.

VI. OTHER APPLICABLE LAWS

All actions required to be taken pursuant to these Orders shall be undertaken in accordance with the requirements of all applicable local, state, and federal laws and regulations.

VII. RESERVATION OF RIGHTS

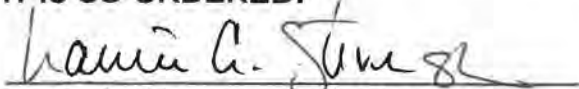
Nothing contained herein shall be construed to prevent Ohio EPA from seeking legal or equitable relief to enforce the terms of these Orders or from taking other administrative, legal, or equitable action as deemed appropriate and necessary, including seeking penalties against the District for noncompliance with these Orders.

Nothing contained herein shall be construed to prevent Ohio EPA from exercising its lawful authority to require the District to perform additional activities pursuant to ORC Chapter 3734 or any other applicable laws in the future. Nothing herein shall restrict the right of the District to raise any administrative, legal, or equitable claim or defense with respect to such further actions which Ohio EPA may seek to require of the District. Nothing in these Orders shall be construed to limit the authority of Ohio EPA to seek relief for violations which may occur.

VIII. EFFECTIVE DATE

The effective date of these Orders is the date these Orders were entered into the Ohio EPA Director's Journal.

IT IS SO ORDERED:



Laurie A. Stevenson, Director
Ohio Environmental Protection Agency