

# ANTRIM COUNTY MATERIALS MANAGEMENT PLAN

## AUGUST 27, 2026 DRAFT



Antrim County Materials Management  
Planning Committee Approval

- MM DD YYYY

Antrim County Board of Commissioners  
Approval

- MM DD YYYY



REDUCE



REUSE



RECYCLE

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## MATERIALS MANAGEMENT PLAN COVER PAGE

Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, states that the Department of Environment, Great Lakes, and Energy (Department) shall ensure that each county has an approved materials management plan (MMP). Per Section 11574(2), the Department shall prepare the standard format and provide a copy of the standard format to each Designated Planning Agency (DPA) that the Department knows will prepare an MMP. The Department shall also provide the standard format to any other person upon request.

This MMP was developed using Part 115 legislation and the MMP Plan Format as provided by EGLE.

|                                      |
|--------------------------------------|
| DATE SUBMITTED TO EGLE: July XX 2027 |
| EGLE APPROVAL DATE: MONTH XX 2027    |

All counties participating in this Plan are listed below and will be referenced throughout this plan as the planning area or county, as applicable.

|               |
|---------------|
| Antrim County |
|---------------|

|                                                         |                                                                 |
|---------------------------------------------------------|-----------------------------------------------------------------|
| Designated Planning Agency (DPA)<br>Preparing the Plan: | Networks Northwest                                              |
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| Central Repository Location(s):                         | Networks Northwest Webpage                                      |
|                                                         | Antrim County Webpage                                           |
|                                                         | Antrim County Administration and Planning Department (Physical) |

ACKNOWLEDGEMENTS

ANTRIM COUNTY MATERIALS MANAGEMENT PLANNING COMMITTEE

|                                                                                                             |                                                                     |                                                                               |
|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------------------|
| Lindsey Mason, Chair<br>ECT - Village of Elk Rapids<br>Representative of an<br>Environmental Interest Group | Vacancy<br><br>Representative of a Solid Waste<br>Disposal Industry | Isha Pithwa<br>Networks Northwest<br>Regional Planning Agency                 |
| Mark Byard<br>Central Lake Township<br>Elected Official of a Township                                       | Bill Hefferan<br>Antrim County<br>Elected Official of County        | Michelle Fox<br>Village of Central Lake<br>Elected Official of a City/Village |
| Andre Grobaski<br>GFL<br>Representative of a Materials<br>Recovery Facility                                 |                                                                     |                                                                               |

ANTRIM COUNTY BOARD OF COMMISSIONERS - COUNTY APPROVAL AGENCY

|                         |                               |
|-------------------------|-------------------------------|
| Bill Hefferan, Chairman | Jarris Rubingh, Vice-Chairman |
| Terry VanAlstine        | Jason Helwig                  |
| Ray Scola               |                               |

ANTRIM COUNTY MUNICIPALITIES

Banks Township - Central Lake Township - Chestonia Township - Custer Township - Echo Township  
Elk Rapids Township - Forest Home Township - Helena Township - Jordan Township - Kearney Township  
Mancelona Township - Milton Township - Star Township - Torch Lake Township - Warner Township  
Village of Bellaire - Village of Central Lake - Village of Elk Rapids - Village of Ellsworth - Village of Mancelona

ANTRIM COUNTY STAFF

|                           |                                                                                                                                                  |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Administration & Planning | Jeremy Scott, County Administrator<br>Janet Koch, Deputy County Administrator<br>Gayle Rider, Administrative Assistant<br>Margie Boyd, Secretary |
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Prepared with assistance from:



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# INTRODUCTION

## BACKGROUND

On January 8, 2024, the State of Michigan Department of Environment, Great Lakes, and Energy called for updated Materials Management Plans. These updates are the result of amendments to Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. The updated plans will focus on sustainable materials management, such as recycling and composting, instead of primarily disposal replacing the existing Solid Waste Plans.

Outside of being required by law, the plan updates assure material management capacities for non-hazardous waste generated in the County, ensuring materials are collected, processed, or disposed of at facilities that comply with laws and regulations. The plans will also identify and regulate criteria for the siting of all facilities, such as landfills, transfer stations, or composting facilities. Additional ways the plan assists the County include documenting existing and new infrastructure and defining the needs, goals and opportunities for materials management and facilities.

## STATE OF MICHIGAN AND PART 115 MMP GOALS

Part 115 identifies the goals of a materials management plan are to protect public health and the environment from the hazards of improper waste disposal while ensuring materials are managed sustainably to benefit the economy, environment, and communities. The plan ensures that all generated materials are collected and disposed of properly at appropriate facilities.

The State of Michigan’s targets to reduce landfilled materials include cutting food waste by 50% by 2030 and increasing the municipal recycling rate to 30% by 2029.

## SETTING THE SCENE (2023 TO 2024)

The years 2023 and 2024 served as the baseline and foundational period for this transition. Following the enactment of the Part 115 amendments, counties evaluated their existing, legacy solid waste frameworks and initiated regional conversations. EGLE’s formal call in early 2024 officially triggered the timeline for local governments to organize, collaborate, and inventory their current materials management landscapes.

## MMP DEVELOPMENT PROCESS (2024 TO 2027)

The development of this MMP spans a multi-year collaborative process running from 2024 through 2027. This period involves a structured sequence of data collection, stakeholder engagement, public comment, and formal municipal approvals. Through this iterative process, the County is working alongside local municipalities, waste industry partners, and the public to design a forward-looking system tailored to our community’s specific needs.

## PURPOSE OF THIS MMP

While this plan satisfies a mandatory state legal requirement, its primary local purpose is to serve as a strategic roadmap for the County. Specifically, this MMP ensures the following vital functions:

**CAPACITY & COMPLIANCE ASSURANCE:** Guarantees long-term management capacity for all non-hazardous solid waste generated within the County. It ensures that municipal solid waste, organic material, and recyclable

commodities are collected, processed, or safely disposed of at facilities operating in strict compliance with state and federal laws.

**SITING CRITERIA & REGULATION:** Establishes and regulates clear, predictable criteria for siting all future materials management infrastructure, including landfills, transfer stations, materials recovery facilities (MRFs), and composting operations.

**INFRASTRUCTURE ASSET MAPPING:** Documents existing public and private infrastructure while identifying geographic gaps and technological needs.

**STRATEGIC GROWTH:** Defines actionable goals, funding pathways, and operational opportunities to build a more resilient, sustainable, and economically vibrant materials management system for the County.

SECTION ONE: PLANNING AREA PROFILE

DEMOGRAPHIC PROFILE

Antrim County’s full time population according to the 2023 American Community Survey is 23,876. The Michigan Labour Market Information population projections show a slight increase of population moving toward 2035 (25,175), where it then begins a slight decline going into 2050 (23,992). As found in [the Seasonal Population Study for Northwest Michigan](#), Antrim County sees an increase in population throughout the year from overnight population (hotels and short term rentals) and part-time residents (second-home owners), but particularly sees the population double in the summer months.

Please see the Antrim County Demographic Profile for additional population and select housing, income, and employment data.  
Table 1.1 Antrim County Seasonal Population

|                      | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    | Avg.   |
|----------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Full-Time Population | 23,431 | 23,431 | 23,431 | 23,431 | 23,431 | 23,431 | 23,431 | 23,431 | 23,431 | 23,431 | 23,431 | 23,431 | 23,431 |
| Part Time Population | 1,861  | 1,861  | 2,792  | 2,792  | 2,792  | 14,892 | 14,892 | 14,892 | 4,188  | 4,188  | 4,188  | 4,188  | 6,127  |
| Overnight Population | 5,698  | 5,811  | 4,637  | 5,478  | 16,457 | 19,123 | 21,029 | 20,914 | 15,843 | 10,995 | 5,777  | 5,900  | 11,472 |
| Accommodations       | 2,420  | 2,201  | 2,131  | 3,360  | 12,011 | 13,112 | 14,354 | 14,112 | 10,525 | 5,937  | 3,179  | 2,659  | 7,767  |
| Short-term Rentals   | 3,278  | 3,610  | 2,506  | 2,118  | 4,446  | 6,010  | 6,676  | 6,802  | 5,318  | 5,058  | 2,598  | 3,241  | 4,305  |
| Total                | 30,991 | 31,704 | 30,860 | 31,701 | 42,680 | 57,446 | 59,352 | 59,237 | 43,462 | 38,615 | 33,397 | 33,519 | 41,030 |

MMP DATA ANALYSIS

RRS assisted with the collection and analysis of Antrim County’s material management data. Below is the information related to landfilled waste, estimated material type, and rates of diversion. It was noted that Antrim County’s municipal solid waste tonnages were higher than anticipated, likely stemming from innacurate reporting at the transfer station when incoming Antrim County’s waste mixes with other County’s waste and is then reported as Antrim County’s waste. The full report can be found in Appendix XX.

LANDFILL WASTE GENERATION

The following table shows the abbreviation and types of landfilled waste that are reported to the State. Please see the following page for selected data and information from Antrim County’s Reported Landfill Waste Types and Tonnages.

| Table 1.3 Landfill Waste Abbreviations and Definitions |                                |                                                                                                                                                 |
|--------------------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| ADC                                                    | Alternative Daily Cover        | Materials such as chipped tires, ash, foundry sand, sludge, or contaminated soils approved for landfill cover use                               |
| C & D                                                  | Construction and Debris        | Materials including asbestos waste, scrap wood, and treated or untreated wood                                                                   |
| IW                                                     | Industrial Waste               | Materials , including ashes, auto shredder residue, cement kiln dust, coal ash, food processing residuals, foundry sand, and industrial sludge; |
| MCW                                                    | Municipal and Commercial Waste | Materials such as household waste, commercial waste, garbage, regulated medical waste, and municipal solid waste incinerator ash                |
| Other                                                  |                                | Materials such as contaminated soils and technologically enhanced naturally occurring radioactive materials (TENORM)                            |

ANTRIM COUNTY

475.7 SQ. MILES  
AREA

50.2 PEOPLE/SQ. MILES  
POPULATION DENSITY

23,876  
TOTAL POPULATION

AGE

|          |        |
|----------|--------|
| Total    | 24,645 |
| 0 To 4   | 1,030  |
| 5 To 9   | 1,054  |
| 10 To 14 | 1,186  |
| 15 To 19 | 1,109  |
| 20 To 24 | 1,095  |
| 25 To 29 | 1,157  |
| 30 To 34 | 1,298  |
| 35 To 39 | 1,252  |
| 40 To 44 | 1,240  |
| 45 To 49 | 1,259  |
| 50 To 54 | 1,304  |
| 55 To 59 | 1,720  |
| 60 To 64 | 2,299  |
| 65 To 69 | 2,412  |
| 70 To 74 | 2,035  |
| 75 To 79 | 1,503  |
| 80 To 84 | 960    |
| 85+      | 730    |

ESTIMATED POPULATION PROJECTION

HOUSEHOLD MEDIAN INCOME

POVERTY PERCENT

POPULATION AND HOUSING

Total Population

Housing Units

HOUSING UNITS

17,613

11,034 OCCUPIED

6,579 VACANT

INDUSTRY AND EMPLOYMENT

TOTAL NUMBER OF ESTABLISHMENTS

608

TOTAL NUMBER OF JOBS

3,831

TOP 5 INDUSTRIES

- » Accommodation and Food Services
- » Retail and Trade
- » Manufacturing
- » Construction
- » Other services (except public administration)

MUNICIPALITY

|                       |      |
|-----------------------|------|
| Banks Township        | 1588 |
| Central Lake Township | 2159 |
| Chestonia Township    | 512  |
| Custer Township       | 1150 |
| Echo Township         | 952  |
| Elk Rapids Township   | 2521 |
| Forest Home Township  | 1675 |
| Helena Township       | 937  |
| Jordan Township       | 887  |
| Kearney Township      | 1780 |
| Mancelona Township    | 4311 |

MUNICIPALITY

|                         |       |
|-------------------------|-------|
| Milton Township         | 2355  |
| Star Township           | 1028  |
| Torch Lake Township     | 1212  |
| Warner Township         | 364   |
| Village of Bellaire     | 1053  |
| Village of Central Lake | 960   |
| Village of Elk Rapids   | 1529  |
| Village of Ellsworth    | 367   |
| Village of Mancelona    | 1344  |
| Antrim County           | 23301 |

SOURCE - Charts: 2023 American Community Survey(ACS) 5-Year Estimates ; Industry Highlights: Bureau of Labour Statistics (BLS) ; Age & Population Projection Chart: MI Labour Market Info (<https://mlinfo.org/DataSearch/POPPIRO>)



Table 1.2 Michigan Landfill Waste Generated by Antrim County by Type 2020-2024

| REPORTED<br>LANDFILL<br>WASTE TYPE,<br>TONS <sup>3</sup> | 2020   | 2021  | 2022   | 2023   | 2024    | AVERAGE<br>2020 - 2024 | % TOTAL<br>AVERAGE<br>2020 - 2024 | AVERAGE<br>2020-2023 | % TOTAL<br>AVERAGE<br>2020 - 2023 |
|----------------------------------------------------------|--------|-------|--------|--------|---------|------------------------|-----------------------------------|----------------------|-----------------------------------|
| ADC                                                      | 40     | -     | -      | -      | -       | 8                      | 0.01%                             | 10                   | 0.08%                             |
| C&D                                                      | 2,259  | 2,868 | 2,015  | 8,666  | 1,251   | 3,412                  | 5.86%                             | 3,952                | 32.40%                            |
| IW                                                       | 2,741  | 457   | 420    | 341    | 238,044 | 48,401                 | 83.19%                            | 990                  | 8.11%                             |
| MCW                                                      | 6,914  | 3,215 | 2,656  | 2,445  | 2,559   | 3,558                  | 6.11%                             | 3,807                | 31.22%                            |
| OTHER                                                    | 705    | 3,303 | 8,824  | 920    | 260     | 2,802                  | 4.82%                             | 3,438                | 28.19%                            |
| Grand Total                                              | 12,658 | 9,842 | 13,915 | 12,371 | 242,114 | 58,180                 |                                   | 12,197               |                                   |

Due to the suspected skewed Municipal and Commercial Solid Waste being higher than to be expected, estimates were created on pounds of waste per person per day to reflect better what Antrim County is generating. The table below shows a 12 pound and a State average 4.6 pound calculation based on the projected populations of Antrim County.

|      | Projected County Population | Annual MCW Tons at 4.6 Lbs / PP / day | Annual MCW Tons at 12 Lbs / PP / day |
|------|-----------------------------|---------------------------------------|--------------------------------------|
| 2025 | 24,645                      | 20,869                                | 54,073                               |
| 2030 | 25,045                      | 21,208                                | 54,951                               |
| 2035 | 25,175                      | 21,318                                | 55,236                               |
| 2040 | 25,000                      | 21,170                                | 54,852                               |
| 2045 | 24,504                      | 20,750                                | 53,764                               |
| 2050 | 23,992                      | 20,316                                | 52,641                               |

ANTRIM COUNTY LANDFILL WASTE

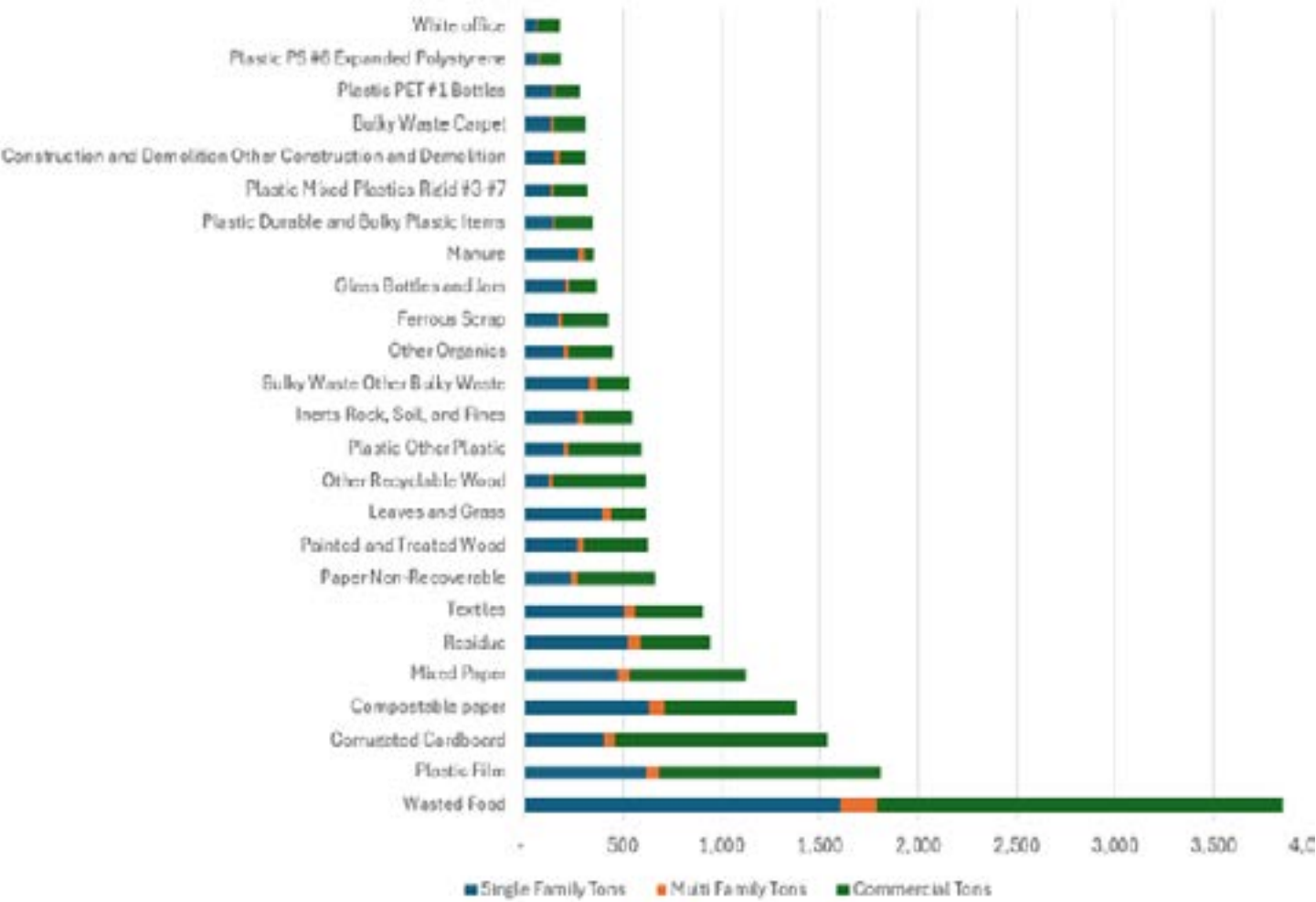
Antrim County Waste is primarily landfilled at the Wexford County Landfill (72%) and City Environmental Services, Inc. of Waters (23%) in Crawford County, with small amounts of materials going to landfills in Bay County, Leelanau County, Montmorency County, and Presque Isle County. With 95% of waste going to Wexford and Crawford County, it should be noted that the estimated years of capacity exceed 40 at Wexford and 300 in Crawford.

|                                    | Wexford<br>County<br>Landfill<br>(Wexford<br>County) | City Environmental<br>Services, Inc of<br>Waters (Crawford<br>County) (City<br>Environmental<br>Services, Inc of<br>Water) | Montmorency-<br>Oscoda-<br>Alpena SWMA<br>(Montmorency<br>County) | GFL North<br>Michigan<br>Landfill, LLC<br>(Presque Isle<br>County) | Glens<br>Sanitary<br>Landfill<br>(Leelanau<br>County) | Whitefeather<br>Landfill (Bay<br>County) |
|------------------------------------|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------|-------------------------------------------------------|------------------------------------------|
| Remaining Capacity<br>(CY)         | 15,820,706                                           | 17,590,764                                                                                                                 | 1,517,378                                                         | 871,763                                                            | 17,590,764                                            | 794,195                                  |
| Capacity Used in 2024<br>(CY)      | 366,293                                              | 54,650                                                                                                                     | 91,437                                                            | 111,477                                                            | 54,650                                                | 170,961                                  |
| Est Years of Remaining<br>Capacity | 43 - 46                                              | 321 - 322                                                                                                                  | 17                                                                | 8 - 9                                                              | 321 - 322                                             | 5                                        |

ESTIMATED MATERIAL TYPES AND RECYCLING RATES

ANTRIM COUNTY

The RRS Municipal and Commercial Waste (MCW) Characterization Model utilized landfill and other appropriate data to estimate the types and tonnages of materials generated in Antrim County that could be recovered. The model showed that 31% of landfilled materials are readily compostable, 23% are readily recyclable, 10% are either not recyclable or there is minimal access, and 26% have a variable recycling rate by municipality. Below is an estimate of the materials and tonnages found in the landfill stream broken down by single family, multi-family, and commercial tonnages.



The following are the projected rates of recycling and organics in Antrim County:

|                                                  |       |
|--------------------------------------------------|-------|
| County-wide Recycling Rate (Recycling & Compost) | 15.6% |
| Commercial Recycling Rate                        | 5.6%  |
| Residential Recycling Rate                       | 10.4% |

MMP INFRASTRUCTURE

ANTRIM COUNTY

Please see the Antrim County Facilities Map and Antrim Facilities Inventory Table for EGLE licensed facilities and recycling drop-off sites. An in depth facilities inventory analysis can be found in appendix XX.

See Inventory Table 1.10

LANDFILLS

There are no existing public or private landfills within Antrim County.

MATERIALS RECOVERY FACILITY

There are no existing material recovery facilities (MRF) within Antrim County.

TRANSFER STATION

GFL Elmira Transfer Station

Located in Warner Township, GFL operates a transfer station primarily for hauling and transfer of materials to be sent to landfill facilities. The facility is open to the public for the disposal of household and commercial waste.

Village of Elk Rapids Compactor

The Village of Elk Rapids operates a trash compactor for Village of Elk Rapids resident trash, or by pay-per-bag. Fees and guidelines are set by the Village of Elk Rapids City Council. The Compactor site also serves as a brush drop off site for village residents.

Central Lake Township Waste Receiving Station

Central Lake Township operates a waste receiving station for residential trash of Central Lake Township and the Village of Central Lake, or by pay-per-bag. Fees and guidelines are set by the Central Lake Township Board of Trustees. Additionally, the Waste Receiving Station also collects yard waste from residents.

COMPOST FACILITIES

While there are no formal compost facilities, the Village of Elk Rapids and Central Lake Township collect yard waste. The Village of Bellaire also collects yard waste from village residents, while the Village of Elk Rapids offers seasonal monthly yard waste pick-up.

TREATMENT, STORAGE, AND DISPOSAL FACILITIES

Treatment, storage, and disposal facilities receive and treat, store, or dispose of hazardous waste. Anchor Lamina America in Bellaire is a designated treatment, storage, and disposal facility but does not accept offsite hazardous waste.

COUNTY RECYCLING AND HOUSEHOLD HAZARDOUS WASTE

Antrim County, supported by the County Board of Commissioners, offers drop-off recycling and household hazardous waste collections for County residents. The Antrim County Conservation District is primarily contracted to manage the recycling and household hazardous waste, with support from the County Administration and Planning Department.

Funding for recycling comes from the Antrim County Recycling Millage, which was renewed by voters (66% approved) in 2024 at 0.25 mills for a period of four years to fund recycling programs and services. The funding for the household hazardous waste collections comes from the County’s general fund.

COUNTY RECYCLING DROP-OFF SITES

Antrim County, in cooperation with local units of government in many cases, hosts recycling drop-off sites with bins for the collection of single-stream recycling. This is collected by GFL, under contract as the recycling hauler until 20xx.

The eight recycling drop off sites are located at:

| Recycling Drop-Off Site Name | Site Address                                                                                 |
|------------------------------|----------------------------------------------------------------------------------------------|
| Alden                        | Helena Township Hall, 8751 Helena Road, Alden                                                |
| Bellaire                     | Antrim County Transportation (ACT) Building, 4700 M-88                                       |
| Central Lake                 | Central Lake Governmental Center, 1622 M-88                                                  |
| Elk Rapids                   | Elk Rapids Compactor, 8228 Herrman Road Elk Rapids, MI 49629                                 |
| Ellsworth                    | Ellsworth Sports Park 9627 Lake St, Ellsworth, MI 49729 (Bins are behind the Dollar General) |
| Kewadin                      | Old Milton Township Hall 7268 Cairn Hwy                                                      |
| Mancelona                    | Mancelona Township Hall 9610 M-88 Mancelona, MI 49659                                        |
| Star Township                | Star Township Hall 6775 Alba Rd, Elmira, MI 49730                                            |

MMP COMMUNITY INPUT

A key component of any solid planning process involves the collection of input from a variety of stakeholders. In respects to the materials management planning process, the targeted audiences selected were County residents, local businesses, local units of government, and haulers and operators. As part of the collection of public input, multiple surveys were developed and distributed to the above stakeholder groups. The following is a brief analysis of the input, with full survey results located in the appendices.

COMMUNITY INPUT EVENTS

In order to promote the Materials Management Plan process and survey’s, Networks Northwest staff attended several community events during the 2025 summer. Each event was 3-4 hours long, with staff on hand to answer or discuss anything materials management related, distribute survey business cards, display boards with question and answer prompts, and a materials sorting game aimed for younger crowds.

|                                |                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Antrim County Community Events | <ul style="list-style-type: none"><li>August 1, 2025 Elk Rapids Harbor Days - Farmers Market</li><li>August 6, 2025 Ellsworth Concert on the Square</li><li>August 12, 2025 Mancelona Outdoor Summer Concert</li><li>August 16, 2025 Bellaire Rubber Ducky Festival</li><li>September 27, 2025 Antrim County HHW Collection - Mancelona</li></ul> |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

The following questions and responses are from the events.

1. **What types of materials do you find challenging to properly dispose of or recycle of in our community?**  
Tires, styrofoam, agricultural tires, water softener bags, glass, batteries, oil, salt bags (snowmelt), and bins constantly being too full
2. **What ideas do you have for reducing waste and increasing reuse in our community?**  
Additional township trash pick-up days, single stream recycling, outlaw single use plastics, food waste drop-off, deposits on all bottles, and consumers awareness of what can be recycled, plastic bag ban, community compost bins
3. **What resources or information would help you make more sustainable choices about the materials you use?**  
Economics of recycling, school experiments on pollution and recycling, smarter container materials, more HHW events, encourage youth/young adults to recycle, flyers of what is allowed to be recycled



Map 1.1 Antrim County MMP Facility and Drop-Off Sites Location Map

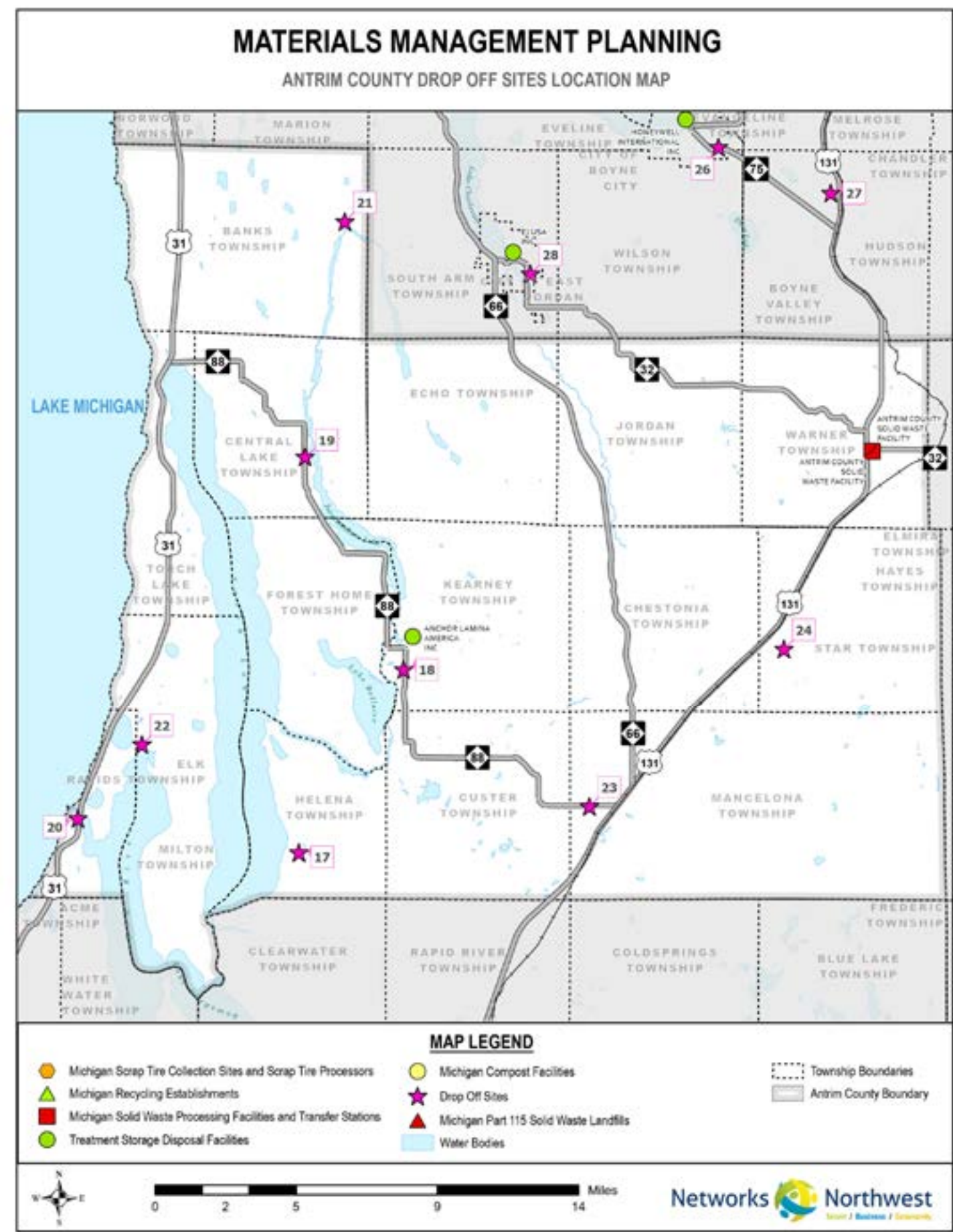


Table 1.10 Antrim County Facilities Inventory

| Number | Site Name                                                 | Type                                | Location                                      |
|--------|-----------------------------------------------------------|-------------------------------------|-----------------------------------------------|
|        | Anchor Lamina America Inc.                                | Treatment Storage Disposal Facility | 3650 South Derenzy Road<br>Bellaire, MI 49615 |
|        | GFL Almira Transfer Station                               | Transfer Station                    | 10164 M-32<br>Elmira, MI 49730                |
|        | Central Lake Waste Receiving Station                      | Transfer Station                    | M-88<br>Central Lake, MI 49622                |
|        | Village of Elk Rapids Compactor                           | Transfer Station                    | 8228 Herrman Road<br>Elk Rapids, MI 49629     |
| 17     | Alden - Helena Township Hall                              | Recycling Drop-Off Site             | 8751 Helena Road<br>Alden, MI                 |
| 18     | Bellaire - Antrim County Transportation                   | Recycling Drop-Off Site             | 4700 M-88<br>Bellaire, MI                     |
| 19     | Central Lake - Central Lake Governmental Center           | Recycling Drop-Off Site             | 1622 M-88<br>Bellaire, MI                     |
| 20     | Elk Rapids - Village of Elk Rapids Compactor              | Recycling Drop-Off Site             | 8228 Herrman Road<br>Elk Rapids, MI 49629     |
| 19     | Ellsworth - Ellsworth Sports Park (behind Dollar General) | Recycling Drop-Off Site             | 9643 Lake Street<br>Ellsworth, MI 49729       |
| 22     | Kewadin - Old Milton Township Hall                        | Recycling Drop-Off Site             | 7268 Cairn Highway<br>Kewadin, MI 49648       |
| 23     | Mancelona - Mancelona Township Hall                       | Recycling Drop-Off Site             | 9610 M-88<br>Mancelona, MI 49659              |
| 24     | Star Township - Star Township Hall                        | Recycling Drop-Off Site             | 6775 Alba Road<br>Elmira, MI 49730            |



MMP SURVEYS

The following is an analysis of the materials management planning surveys, with the complete analysis and the full survey results located in the appendix XX.

COUNTY RESIDENT SURVEY

The County Resident Survey was distributed to residents for responses from June 23, 2025 to January 5, 2026 through a variety of mediums including multiple press releases, social media (including popular community group pages), news articles, survey business card distribution, and flyer distribution.

Efforts led to 230 total responses including 189 permanent and 41 seasonal residents, with 53% living in the County for 10 years or more. 89% of respondents believe that recycling is very or extremely important for our communities, environment, and natural resources, as well as reducing the amount of waste going into landfills.

Material management services are typically paid through by property taxes (94), private hauler (76), County millage (64), and subscription service (42). Other responses to paying for materials management included purchasing pre-paid trash bags, transfer stations, or covered by taxes, water bills, or rent/association dues.

Recycling is primarily collected at drop-off sites, while some utilize curbside services, and others include at-home composting of yard and food waste, local collection sites, Township clean up days, and reuse organizations.

The main reasons for recycling were environmental responsibility (193), reducing pollution (139), and promoting sustainability (121). Other reasons for recycling include environmental concerns and potential cost savings. 91% of respondents noted that they participate in recycling a variety of materials with the most popular being:

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| 1. Cardboard (201)                   | 2. Plastic Bottles and Jugs (188) |
| 3. Glass Bottles and Jars (182)      | 4. Metal Cans (181)               |
| 5. Plastic Tubs and Containers (173) | 6. Paper (173)                    |

Of the 21 who do not recycle, there was interest from 16 in increased availability. The top barriers to recycling were lack of curbside (59) and location of drop-off sites (39). Other barriers that prevent recycling were access issues such as distance and bins being full and transparency and confidence of recycled materials. Clearer guidelines (104), community recycling events (96), and online resources (71) were noted as resources helpful for recycling and waste reduction. Other information and resources mentioned were promotion and education for all, transparency of materials reused vs. landfilled, and improved accessibility of services.

Image 1.13 Glimpse of Antrim County Community Events Snapshots



Trash is typically disposed of through private hauler (124) but many utilize drop-off sites (86), but others use taking trash to work or business dumpsters, condo association dumpsters, or at home composting or burn pits.

52% of responses participate in composting, primarily by composting at home (59%), while others use compost subscription services (22%) or local farms (12%). Other composting methods were taken to Traverse City or only doing yard waste. For the 48% who did not compost, they would be encouraged to participate by increased access (31%), access to composting equipment (21%), and increased information (20%). Other ways to encourage composting were addressing lack of space or ability, pest issues, and education of what composting is.

70% find the rules and guidelines are clear in their community, and 74% know what items are not accepted by their local programs. Materials that residents find difficult to recycle or dispose of included bulky items and construction waste (like furniture, mattresses, appliances, tires, wood), household hazardous waste items, specialty items (Styrofoam, plastic bags, light bulbs), and electronic waste.

Reducing waste (142), reusing items (111), and composting more (92) were selected as ways communities can do a better job of managing waste. Other ways communities can do a better job include curbside recycling implementation, more promotion of recycling events, and education and transparency of collected materials.

Services that residents would like to see in their community included electronic waste drop-off (120), more household hazardous waste collections (112), bulk waste pick-up (89), increased recycling access (79), and green waste pick-up (67). Additional services included curbside pickup, more access to household hazardous waste and bulky items, and concerns of costs and transparency.

76% of respondents have a moderate or higher interest in learning about waste reduction and management, recycling and organics. 90 residents marked that they would not want to pay for increased services, while others would pay for increased household waste services (76), bulk waste materials (65), recycling services (61), and organics services (48).

Considerations for the MMPC included programs and partnerships like Zero Waste in Schools or upcycling workshops, policy changes such as extended producer responsibility and curbside services, adding drop-off site access, improving infrastructure for bulky items, household hazardous waste, and composting, and furthering education, promotion, and enforcement, and costs of services and programs.

LOCAL UNIT OF GOVERNMENT SURVEY

The Local Unit of Government Survey was distributed to a contact list of all Antrim County government clerks and supervisors or administrators via email and a mailing to the Clerk's address asking for a response to the survey. Additionally, the survey was included in the August 20, 2026 Local Unit of Government MMP Newsletter and in email communications of the Materials Management Planning Committee's public notices.

25 responses were received from 16 of the 21 jurisdictions in Antrim County. Primary responses came from Clerks and Supervisors, with a few administrators. 17 responses identified that their communities have a recycling drop-off site, 11 support household hazardous waste collection, and a few have curbside (3), composting and public education (2 each).

86% found the effectiveness of the current materials management services and infrastructure to be moderately effective or better. Recycling contamination (9), public participation (7), infrastructure (7), and educational awareness (6) were noted as the biggest materials management challenges communities face.

On a scale of Excellent (1) to Non-existent (6), respondents were asked how well different materials are managed in the County. Below are the top five highest and lowest ranked materials.

| HOW WELL ARE DIFFERENT TYPES OF MATERIALS CURRENTLY MANAGED WITHIN YOUR COUNTY?       |                                 |
|---------------------------------------------------------------------------------------|---------------------------------|
| Highest Ranked (avg score)                                                            | Lowest Ranked (avg score)       |
| Paper (2.13)                                                                          | Bulky Waste (3.87)              |
| Glass (2.13)                                                                          | Tires (3.73)                    |
| Plastics (2.2)                                                                        | White Goods - appliances (3.67) |
| Metals (2.67)                                                                         | Mattresses (3.53)               |
| Household Hazardous Waste (2.80)                                                      | Yard Waste (3.36)               |
| Scale: Excellent (1), Good (2), Average (3), Poor (4), Terrible (5), Non-Existent (6) |                                 |

Perspectives for the primary focus of the County MMP included increased recycling participation, composting options, increased ease of proper disposal, and creating options that are viable for all community members. The areas for the most attention were funding for infrastructure development (10), market development initiatives (9), reducing contamination (8), and guidance (7).

Infrastructure investments included recycling facility funding (8), transfer stations (7), composting sites (6), landfills (5), and collection equipment (4). Multiple household hazardous waste events or year round collection were the most popular choices for considering household hazardous waste year round, waste authority, or regional/Multi-county HHW contracts.

Increased community events (9), funding local campaigns and standard materials (6 each) were the most effective ways to educate the public. Education (7), access (3), and funding (2) are the biggest barriers to an increased recycling rate.

There was a 50-50 split of those who knew where the collected materials go, most aware of GFL’s Elmira Transfer Station. The recycling millage (7) and county funding (4) are the primary ways that communities pay for recycling, while one does have contracts with a waste company. Costs associated with recycling drop-off sites (7), trash pick up (3) and education (2) were selected.

Lastly, things to consider regarding communities and materials management included being aware of visitors and their materials generation and proper disposal and increasing rates of recycled materials actually being used.

**LOCAL BUSINESS SURVEY**

The Local Business Survey was distributed to local businesses through a business press release, requesting distribution through local Chambers of Commerce, Downtown Development Authorities, and Northern Lakes Economic Alliance, business survey cards, and hand delivered letters to businesses within the downtown and industrial areas of Bellaire, Central Lake, Elk Rapids, Ellsworth and Mancelona.

Overall the survey received 63 responses with 13 identified from Antrim County businesses primarily from the non-profit/government (4), service industry (3), or agriculture (3). Food service and construction were also mentioned.

6 estimated that they generate less than 50 pounds of non-hazardous waste on an average week, while 2 each estimated 50-200 or 201-500 pounds and 1 generated 1000 or more pounds. Businesses estimated their recycling to waste rate at 47% recycling to 53% trash with 4 using single stream recycling, 5 separating their recycled materials, and 3 not currently recycling. A reason for not recycling was too much work and only having a waste dumpster.

9 businesses noted they did not participate in organic waste diversion or composting. Food waste collection was handled by a local farm or done on site, if it was applicable at all. Hazardous waste recycling was primarily dropped off at a transfer station (7 each) while 2 paid for collection by private hauler. It was noted that the one

business who uses take out order materials uses compostable materials. Trash services are typically taken care of by private hauler (10) while some do take it to a drop off site (3)

Most businesses did not have specific goals or initiatives aimed to reduce waste generation or increase recycling (9), but 3 did have some which included the use of commercial composting, recycling curbside, and efficiency and responsibility.

Challenges that local businesses face with implementing or expanding sustainable materials management practices were logistical challenges (6), lack of space (5), lack of employee engagement (5), and lack of information or resources (5). 9 responses were interested in learning more about or participating in local programs or initiatives that support business recycling, composting, or waste reduction and those not interested or unsure.

Only one business noted a significant change in the types or volumes of materials expected in the next 3-5 years which was a decrease in materials due to retirement. Materials produced that currently do not have an end user included compostable cups, styrofoam, wood scraps, and food waste. 5 businesses currently purchase recycled materials for use which include recycled plastics (4), paper and cardboard (3), textiles (2), and concrete and aggregates.

Lastly, ways that a business can better engage with the circular economy through re-use of materials identified using recycled for office supplies and packaging (9), partner with companies that specialize in processing specific materials (8), using recycled plastic in packaging (8), product design for easier recycling (5), and incorporate recycled fabrics (5).



SECTION TWO: MATERIALS MANAGEMENT GOALS

GOALS AND OBJECTIVES

Goals are the overarching themes of what the MMP seeks to achieve, while the objectives show ways to help meet the goal. Targets are projects and outcomes that may come as a result of the goals and objectives being implemented. Resources Needed notes the resources from the stakeholders to staffing to funding and more. Lastly, Education and Outreach recommends potential programs and training that can be considered to achieve the goals, objectives, and targets.

| ANTRIM COUNTY MMP GOALS AND OBJECTIVES WORKSHEET                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Antrim County is committed to advancing responsible waste management practices that support a healthier environment and a more sustainable future. In pursuit of this commitment, the County has developed a series of strategic goals designed to strengthen recycling participation, improve material recovery, and reduce the volume of waste sent to landfills. These efforts align directly with the State of Michigan’s broader objective of achieving a 45% municipal solid waste recycling rate, ensuring that local actions contribute meaningfully to statewide progress. The following goals and objectives outline Antrim County’s planned direction and priorities as we work collaboratively with residents, businesses, and community partners to enhance recycling efficiency and environmental stewardship across the region. |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| Goal 1: Establish regular education and outreach that promotes desired recycling behaviors and other waste reduction efforts.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  | Goal 2: Increase the effectiveness of and access to recycling drop-off sites and curbside recycling to meet the Benchmark Recycling Standard and needs of the community.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
| <b>Objectives:</b><br>A. Underscore the benefits of recycling and composting vs. landfilling<br>B. Develop and promote a Multi-County “Single Stream Recycling” Guide<br>C. Develop, implement, and evaluate a recycling contamination reduction campaign for all drop-off sites<br>D. Engage with local schools on the benefits of materials management<br>E. Improve awareness of and participation in all materials management programs and services to reduce reliance on landfills to build trust and transparency in recycling<br>F. Reduce the amount of wasted food and food scraps that is sent to landfills<br>G. Reduce blight and litter in the community<br>H. Mitigate the impacts of illegal dumping<br>I. Encourage businesses to participate in food rescue programs noting liability protections of the Good Samaritan Act   |  | <b>Objectives:</b><br>A. Maintain the number of recycling drop-off bins at drop-off sites in Antrim County<br>B. Provide composting access at high-traffic drop-off sites<br>C. Establish secure, fenced and monitored drop-off locations to prevent illegal dumping and maintain site cleanliness<br>D. Offer business access to recycling drop-off sites for fee<br>E. Install glass specific drop off bins at recyclign drop-off sites<br>F. Increased pick ups during key holidays, tourist season<br>G. Enhance the quality of recycled materials<br>H. Install fencing or natural fencing (trees, shrubs) around recycling drop-off sites to prevent loose trash<br>I. Disposal of non-recyclable and illegally dumped items at recycling drop-off sites<br>J. Work with County Prosecuting Attorney and County Sherriff to create an ordinance and fines for illegal dumping |  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Targets:</b><br><input type="checkbox"/> Voter approval of 2028 Recycling Millage Renewal<br><input type="checkbox"/> Establish a contamination rate for Antrim County Recycling Drop-off sites<br><input type="checkbox"/> Establish a comprehensive digital and print recycling guide for residents and businesses<br><input type="checkbox"/> Distribute the recycling guide to XX% of all county postal patrons by 20XX<br><input type="checkbox"/> Designate and fund an organization to provide recycling education across the county<br><input type="checkbox"/> Develop a recycling campaign that creates widespread awareness of the value of recycling<br><input type="checkbox"/> Create a backyard composting campaign that increases participation in backyard composting.<br><input type="checkbox"/> Create alternative ways for residents to learn about waste reduction and management, recycling, and organics.<br><input type="checkbox"/> Establish a pilot program for the separate collection of glass recycling | <b>Targets:</b><br><input type="checkbox"/> Compost access at 2 drop-off sites by 20XX<br><input type="checkbox"/> Install security measures (fencing, cameras, etc.) at all drop-off locations by 2033<br><input type="checkbox"/> Install on-site signage related to contamination and illegal dumping at drop-off sites<br><input type="checkbox"/> Install fencing or natural fencing (trees, shrubs) around recycling drop-off sites<br><input type="checkbox"/> Illegal dumping ordinance for recycling drop-off sites |
| <b>Resources Needed:</b><br><input type="checkbox"/> <b>Staffing and Volunteers:</b> Capacity building for education and outreach development and implementation<br><input type="checkbox"/> <b>Funding:</b> Recycling Millage funds, EGLE Grants, shared costs with local townships<br><input type="checkbox"/> <b>Physical and Digital Media:</b> Design templates for bin stickers, signage, postcards, updated webpage, and social media.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Resources Needed:</b><br><input type="checkbox"/> <b>Infrastructure:</b> Potential install of security measures like perimeter fencing, security camera’s, solar lighting, and signage<br><input type="checkbox"/> <b>Contracting:</b> Hauler contracts for pilot programs to address specific material collections<br><input type="checkbox"/> <b>Interlocal Agreements:</b> Standard host community agreements outlining maintenance and other drop-site matters between the County and host community                  |
| <b>Education and Outreach:</b><br><input type="checkbox"/> <b>Print and Direct Mail:</b> Magnet or postcards mailed to seasonal and full-time residents<br><input type="checkbox"/> <b>Digital Media:</b> Social media posting in regards to what items are accepted at facilities within the county and recycling millage education and outreach<br><input type="checkbox"/> <b>K through 12 Engagement:</b> Partnerships with schools in the County to provide education and programming for materials management                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Education and Outreach:</b><br><input type="checkbox"/> <b>Drop-site Signage:</b> Visible graphic signs illustrating accepted and non-accepted materials to reduce contamination. Direct residents to website for hard to recycle materials<br><input type="checkbox"/> <b>Outreach:</b> Coordinate social media and press releases around holidays and peak tourist season                                                                                                                                               |



| Goal 3: Improve Data Collection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Goal 4: Evaluate the benefits of strategic collaborations for improved services and reduced costs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Objectives:</b><br>A. Develop data management procedures to track and report on all managed materials on a regular basis.<br>B. Develop recording for local unit of government composting data<br>C. Composting data from public facilities<br>D. Monthly data collection from Transfer<br>E. Site arrival<br>F. Develop an MMP database for tracking recycling and organic data<br>G. Source what happens to local unit of government composting operations                                                                                                                                                         | <b>Objectives:</b><br>A. Encourage public-private partnerships to increase access of sustainable practices<br>B. Encourage and enable Local Units of Government to work together on increased recycling diversion rates<br>C. Promote the development of local markets for recycled materials to enhance economic viability and reduce transportation costs<br>D. Invite public-private partnerships that would promote environmental and economic prosperity in the county<br>E. Assist with improvements and increased access at the Village of Elk Rapids Compactor and Central Lake Twp Waste Receiving station<br>F. Support Extended Producer Responsibility (EPR) State legislation<br>G. Support Township and Village “dump days” to recover recycleable and reusable items<br>H. Establish a Farmer’s Composting Network for access and use |
| <b>Targets:</b><br><input type="checkbox"/> By 20XX begin tracking better recycling data from drop-off sites to include:<br><input type="checkbox"/> Tonnages by material type<br><input type="checkbox"/> End User/Destination of recycled materials<br><input type="checkbox"/> Ensure 100% of new material management contracts include a provision for reporting tonnages by material type and end user/destination by 20XX<br><input type="checkbox"/> Improve recovery of food scraps/wasted food by X tons by 20XX<br><input type="checkbox"/> By 20XX begin tracking better composting data from municipalities | <b>Targets:</b><br><input type="checkbox"/> Hold a joint informational meeting every year with Local Units of Government on MMP progress and funding<br><input type="checkbox"/> Issue a Request for Qualifications (RFQ) to explore vendors interested in partnerships with the County for material-specific solutions.<br><input type="checkbox"/> Evaluate a partnership with Emmet County to haul and process organic materials collected at drop-off centers.<br><input type="checkbox"/> Identify reuse partners in the region that could support the increased reuse of select items                                                                                                                                                                                                                                                          |
| <b>Resources Needed:</b><br><input type="checkbox"/> <b>Excel Tracking System:</b> Simple Excel Spreadsheet to begin collecting and tracking of material collections to assist with diversion rates<br><input type="checkbox"/> <b>Contracting:</b> Monthly or quarterly data reporting to include material stream totals or estimates from recycling or other materials collected.                                                                                                                                                                                                                                     | <b>Resources Needed:</b><br><input type="checkbox"/> <b>Intergovernmental Coordination:</b> Hosting an annual meeting between County and all townships and villages to share practices, options, and costs<br><input type="checkbox"/> <b>Funding:</b> EGLE Collaboration grants or shared costs between municipalities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

| <b>Education and Outreach:</b><br><input type="checkbox"/> <b>Yearly Data Progress Report:</b> Publicly released report that documents and shares diversion rates and landfill reduction progress<br><input type="checkbox"/> <b>Hauler and Operator Meeting:</b> MMPC public meeting with haulers and operators invited to discuss data collection strategies and numbers                                                                                                                                                                                  | <b>Education and Outreach:</b><br><input type="checkbox"/> <b>Municipal Summit:</b> Annual informational meeting with all units of government in County to share best practices, program updates, and program costs                                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Goal 5: Develop programs to address Special Materials Management                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Goal 6: Commercial and Industrial Recycling                                                                                                                                                                                                                                                                       |
| <b>Objectives:</b><br>A. Expand access for residents to properly dispose of Household Hazardous Waste (HHW)<br>B. Establish convenient collection infrastructure for electronics, batteries, and other wastes<br>C. Promote proper disposal of pharmaceuticals and sharps.<br>D. Offer agricultural tire recycling at least once per year<br>E. Identify locations for battery collection<br>F. Establish a one-stop shop for materials<br>G. Support alternative materials for road infrastructure and usage on road maintenance                           | <b>Objectives:</b><br>A. Encourage the reuse and recycling of C&D debris from all major construction projects.<br>B. Engage major generators (e.g., resorts, hospitals, schools, marinas) to promote recycling and source reduction<br>C. Business food waste collection<br>D. Extend opportunities to businesses |
| <b>Targets:</b><br><input type="checkbox"/> Increase the number of annual HHW collection events from the current amount to XX per year by 20XX<br><input type="checkbox"/> Establish a permanent, accessible drop-off location for batteries and fluorescent light bulbs by 20XX.<br><input type="checkbox"/> Divert XXXX pounds of electronics and other waste (e.g., light bulbs, battery disposal) from landfill disposal annually by 2031<br><input type="checkbox"/> No new landfills unless the capacity of existing landfills falls below 66 months. | <b>Targets:</b><br><input type="checkbox"/> Develop educational outreach materials aimed at construction contractors that specifically promote C&D recycling/reuse by 20XX.<br><input type="checkbox"/> Facilitate food waste collection with Emmet County’s existing food waste program                          |
| <b>Resources Needed:</b><br><input type="checkbox"/> <b>Operational Capacity:</b> Vendors for the proper and safe disposal of materials collected<br><input type="checkbox"/> <b>Physical Storage:</b> Collection and storage of specific materials like lightbulbs or batteries at County Government Center                                                                                                                                                                                                                                                | <b>Resources Needed:</b><br><input type="checkbox"/> <b>Staffing and Technical Assistance:</b> Business outreach material development and implementation                                                                                                                                                          |

|                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Education and Outreach:</b><br><br><input type="checkbox"/> <b>Event Promotion:</b> Targeted advertisements leading up to HHW and other material collection events<br><br><input type="checkbox"/> <b>Digital Disposal Guide:</b> “Where Does It Go” directory that is easily found and user friendly | <b>Education and Outreach:</b><br><br><input type="checkbox"/> <b>Commercial Specific Disposal Guide:</b> Guide tailored to resorts, resteraunts, agriculture and construction businesses<br><br><input type="checkbox"/> <b>End Market User Guide:</b> Guide to display what end markets are available for use of specific materials |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

ANTRIM COUNTY MMP ACTION PLAN- TIMELINE

| Year<br>(Fiscal Year) | Action                                             | Notes                                                                                                                                                                                         | Parties Involved | Cost Estimate |
|-----------------------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------|
| Year 1<br>(FY 2028)   | Recycling Millage Renewal - Education and Outreach |                                                                                                                                                                                               |                  |               |
|                       | Materials Management Education and Outreach        | Education and outreach to residents and businesses. This may include the development of guidance materials, school and community based education on recycling and composting over landfilling |                  |               |
|                       | Establish Data Collection - Recycling and Organics |                                                                                                                                                                                               |                  |               |
|                       | Recycling Management Contract                      |                                                                                                                                                                                               |                  |               |
| Year 2<br>(FY 2029)   | Materials Management Education and Outreach        | Education and outreach to residents and businesses. This may include the development of guidance materials, school and community based education on recycling and composting over landfilling |                  | \$ xx,xxx.xx  |
|                       | Ongoing Data Collection                            | Begin Monitoring and collecting data of school food waste                                                                                                                                     |                  |               |
|                       | Schools and Commercial Outreach                    | Engage Schools and Local Businesses in Education and Outreach Programming                                                                                                                     |                  |               |
|                       |                                                    |                                                                                                                                                                                               |                  |               |
| Year 3<br>(FY 2030)   | Materials Management Education and Outreach        | Education and outreach to residents and businesses. This may include the development of guidance materials, school and community based education on recycling and composting over landfilling |                  | \$ xx,xxx.xx  |
|                       | Ongoing Data Collection                            |                                                                                                                                                                                               |                  |               |
|                       | Compost Pilot Program                              |                                                                                                                                                                                               |                  |               |
|                       |                                                    |                                                                                                                                                                                               |                  |               |

|                     |                                                        |                                                                                                                                                                                               |              |
|---------------------|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| Year 4<br>(FY 2029) | Materials Management Education and Outreach            | Education and outreach to residents and businesses. This may include the development of guidance materials, school and community based education on recycling and composting over landfilling | \$ xx,xxx.xx |
|                     | Ongoing Data Collection                                |                                                                                                                                                                                               |              |
|                     |                                                        |                                                                                                                                                                                               |              |
| Year 5<br>(FY 2030) | Materials Management Education and Outreach            | Education and outreach to residents and businesses. This may include the development of guidance materials, school and community based education on recycling and composting over landfilling | \$ xx,xxx.xx |
|                     | Ongoing Data Collection                                |                                                                                                                                                                                               |              |
|                     | Request for Proposal: Recycling Contract<br>Revise MMP | Develop a RFP for the recycling service contract for drop-off site locations                                                                                                                  |              |
|                     |                                                        |                                                                                                                                                                                               |              |
|                     |                                                        |                                                                                                                                                                                               |              |

## SECTION THREE: MECHANISMS

### FUNDING MECHANISMS

The following chart offers the potential funding mechanisms

In addition or in replacement of the below funding mechanisms that the County’s currently use, the following chart offers a listing of potential funding mechanisms that could be utilized for materials management. Please see the Michigan Public Sector Funding Mechanism’s slides in Appendix XX.

| Funding Mechanism                                   | Description of Funding Mechanism                                                                                                                                                                                  |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General Fund Appropriation</b>                   | The County or municipalities may utilize general funds for the implementation and development of materials management programs, infrastructure, and services.                                                     |
| <b>Act 185 County Public Works Assessment</b>       | A County with an Act 185 Department of Public Works may collect a flat fee assessment for refuse/recycling through procedures involving cost estimates, public hearings, and local unit approvals.                |
| <b>Act 69 Surcharge Fees</b>                        | Voter approved material management - resource recovery surcharge assessed as part winter tax bills up to \$50 per household and business.                                                                         |
| <b>Act 138 Surcharge Fees</b>                       | Local Elected Official approved material management - resource recovery surcharge assessed as part winter tax bills up to \$25 per household.                                                                     |
| <b>Hauler Licensing Resource Recovery Surcharge</b> | Licensed haulers are charged a surcharge for each household and business they service, which is passed through on the consumer’s account, for the purposes of funding materials management programs and services. |
| <b>Landfill - Transfer Station Surcharge</b>        | A fee imposed by contract, ordinance, budgeting of publicly owned facilities, or licensing that applies to incoming tonnages from residential and commercial to landfills or transfer stations.                   |
| <b>Voter Approved Millage (County-Wide)</b>         | A County-resident majority voter approved material management millage can be established for operating and capital costs over a set period of time (typically 3-5 years)                                          |
| <b>Fees for Service</b>                             | Additional charges and fees can be used to cover the costs of value added services such as electronic waste collection.                                                                                           |
| <b>Legislatively Authorized Millage</b>             | Through the elected official’s approval body, Cities and Villages may collect up to 3 mills for materials management programs, while a Charter Township can collect up to 2 mills for the same purpose.           |
| <b>Municipal Utility-Service Fees</b>               | A local unit of government may collect fees for materials management services through utility billing for the funding of exclusive contracts, such as a single hauler contract for a city.                        |
| <b>Special Assessment Districts</b>                 | Local Units of Government may create special assessment districts for improvements to recycling and waste services.                                                                                               |
| <b>Hauler Franchise and Hauler Collected Fees</b>   | Local Units of Government may award an exclusive hauler contract for residential and commercial waste which includes recycling services.                                                                          |
| <b>Voter Approved Millage (City-wide)</b>           | City-resident majority voter approved material management millage can be established for operating and capital costs over a set period of time (typically 3-5 years)                                              |



|                                                |                                                                                                                                                                              |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Public-Private Partnership Funding</b>      | Public agencies and private organizations funding model to split costs, risks, and revenyues of building or operating materials management facilities.                       |
| <b>Material Management Grant Opportunities</b> | Federal, State, Foundation, or other funds awarded through a competitive application process to cover start-up, expansion, or other costs for materials management programs. |

ANTRIM COUNTY

The following is a chart of funding mechanisms that are currently utilized in Antrim County.

| Material                      | Notes                                                             | Jurisdictions Involved |
|-------------------------------|-------------------------------------------------------------------|------------------------|
| County-Wide Recycling Millage | .25 mills through 2028                                            | County-Wide            |
| General Fund Appropriations   |                                                                   | County                 |
| Voter Approved Millage        | Voter approved millage for curb-side trash service                | Custer Township        |
| Material Management Grants    | Previous grants include Scrap Tire and Electronic Waste Recycling | County-Wide            |

ENFORCEMENT MECHANISMS

Below is a chart of potential enforcement mechanisms that the County’s can consider for the enforcement of the Materials Management Plan. Please note that this is not an exhaustive list.

| Enforcement Mechanism                 | Description of Enforcement Mechanism                                                                                                                                                                                                |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inter-local Agreement</b>          | A formal contract between two or more units of government to collaborate on enforcement, shared resources, or standardized regulations across jurisdictional boundaries.                                                            |
| <b>Ordinance</b>                      | A local law or regulation established by a County Board of Commissioners or a Village/City’s highest authority board that may establish standards, prohibitions, or penalties related to the MMP.                                   |
| <b>Community Host Agreement</b>       | A contract between a business or developer and a local unit of government that outlines the facility type and operation, reporting requirements, and community benefits. The community may enforce standards and fees through this. |
| <b>Contracting</b>                    | Contracting for materials management professional and service contracts, such as recycling collection.                                                                                                                              |
| <b>Flow Control</b>                   | A legal provision allowing local governments to designate places where municipal solid waste (MSW) is taken for processing, treatment or disposal.                                                                                  |
| <b>Hauler Licensing</b>               | A regulatory system requiring waste and recycling haulers to obtain a license or permit to operate within the County.                                                                                                               |
| <b>Federal, State, and Local Laws</b> | Existing Federal, State, and Local laws pertaining to environmental protection, public health and safety, and materials management including punishments for illegal materials management activities like illegal dumping.          |

ANTRIM COUNTY

The following is a chart of enforcement mechanisms that are currently utilized in Antrim County.

| Mechanism Type        | Notes                                                                     | Jurisdictions Involved          |
|-----------------------|---------------------------------------------------------------------------|---------------------------------|
| Contracting           | Drop-off site recycling bins and collection administration and management | Antrim County, GFL              |
| Inter-local Agreement | Drop-Off Site Locations                                                   | Antrim County, Host Communities |
|                       |                                                                           |                                 |

SITING CRITERIA

PURPOSE AND AUTHORITY

The purpose of this siting criteria is to provide a review and approval process for the siting of materials management facilities. No facilities will be considered automatically consistent and must go through the siting criteria process below to demonstrate consistency with the plan and local unit of governments.

Authority for the Siting Criteria comes from Part 115 (see: MCL Section 324.11578(1)(r), 324.11578(3), 324.11579, 324.11585).

APPLICABLE MATERIALS MANAGEMENT FACILITIES

The following are facilities trigger the siting process if there is to be a new facility developed, an expansion of existing facilities, EGLE authorized capacity expansion, or a change in facility type that apply to the MMP siting criteria process:

- Solid Waste Landfills
  - » Type I, II, and III
- Incinerators
- Solid Waste Processing and Transfer Stations
- Materials Recovery Facilities (MRF)
- Composting Facilities
- Small, Medium, and Large
  - » Anaerobic Digestors
- Innovative Technology Facilities

COMMUNITY HOST AGREEMENT

In order to proceed with the review process, a community host agreement with the community where the facility is to be sited is required for the consideration of an application. This should be accomplished through a mutually agreed upon Community Host Agreement between the host municipality and the facility owner/ operator.

An agreement may also be made between the County and the facility owner/operator, only if there is supporting documentation from the host site community through a resolution or other formal documentation that displays support for the application and confirms compliance with local zoning. Example community host agreements can be found in appendix XX.

At a minumum, the Community Host Agreement should address:

- compliance with zoning and other applicable ordinances

- type of facility and operational plan
- infrastructure improvement assurances
- payments or other benefits to the host community

SITING PROCESS

|                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pre-Application Meeting                  | <ul style="list-style-type: none"><li>• The developing organization seeking to develop a materials management facility will meet with the Designated Planning Agency, County staff, and Municipal staff from the host community. This meeting is to confirm:<ul style="list-style-type: none"><li>» the facility type</li><li>» review required application materials and documents</li><li>» identify applicable Federal, State, County or Local approvals</li><li>» determine the level of environmental impact study needed</li><li>» identify the approval process</li><li>» project schedules and timeline to proceed</li></ul></li></ul>                                                                                                                                         |
| Siting Process Application               | <ul style="list-style-type: none"><li>• The developer will submit an application to the Designated Planning Agency with the following information at minimum:<ul style="list-style-type: none"><li>» project cover letter including a facility description and supporting evidence meeting criteria standards</li><li>» site location map</li><li>» site plans including transportation plans and landscape design</li><li>» environmental impact study as determined in pre-application meeting</li><li>» host community agreement.</li><li>» additional information may be required depending on site location and traffic generated</li><li>» other information determined necessary for review</li></ul></li></ul>                                                                 |
| Review of Application                    | <ul style="list-style-type: none"><li>• Within 30 days of receiving the application, the DPA will determine if the application is complete. If incomplete, the DPA will provide written notice of what is needed.</li><li>• If complete, the DPA will inform the applicant and begin a technical review of the application to determine if it meets:<ul style="list-style-type: none"><li>» the Materials Management Plan Goals and Objectives</li><li>» the MMP minimum siting criteria standards</li><li>» review parameters of the Community Host Agreement</li><li>» complies with local zoning.</li></ul></li><li>• If the application meets the requirements, a review of the application will be brought to the Materials Management Planning Committee for approval.</li></ul> |
| MMPC Meeting, Public Comment, and Notice | <ul style="list-style-type: none"><li>• Prior to the MMPC’s consideration of the application, there must be a 30 day public comment period.</li><li>• In order to consider the application, an MMPC meeting with a public hearing must be held for approval or denial.<ul style="list-style-type: none"><li>» The public hearing must be noticed at least 7 days in advance</li><li>» Notice of the public hearing and MMPC meetings will be posted in a generally circulated newspaper, County webpage, and physically to meet the Open Meetings Act.</li></ul></li></ul>                                                                                                                                                                                                             |

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Determination of Consistency | <ul style="list-style-type: none"><li>• Following the MMPC meeting where the application is considered, the DPA will provide a written determination of approval or denial and findings of fact to include:<ul style="list-style-type: none"><li>» siting criteria compliance</li><li>» MMP goals and objectives support</li><li>» zoning compliance</li></ul></li><li>• The written determination and supporting approval documents will be sent to the applicant, host community, County, and EGLE following completion of the review.</li></ul> |
| EGLE Independent Review      | <ul style="list-style-type: none"><li>• MCL 324.11585 (5) The department shall determine whether a materials management facility is consistent with the MMP through an independent evaluation as part of the review process for an application for a registration, for approval under a general permit, or for a construction permit or operating license. The applicant for a permit for a materials management facility shall include in the application documentation of the facility’s consistency with the MMP.</li></ul>                     |

SITING CRITERIA STANDARDS

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Land Use Requirements      | <ul style="list-style-type: none"><li>• Located in a zoning district that permits the facility type OR a host community agreement that meet this requirement</li><li>• Must not be located within a residential district unless allowed per the host community agreement</li><li>• Meet EGLE’s identified setback requirements for the facility type applied for</li><li>• If there are no identified EGLE setback requirements, the following are required:<ul style="list-style-type: none"><li>» 500 feet or more from a residence, church, hospital, nursing home, licensed day care center, or school</li><li>» 100 feet or more from the property line</li><li>» 200 feet or more from any surface water</li></ul></li></ul> |
| Environmental Requirements | <ul style="list-style-type: none"><li>• Not located in wetlands</li><li>• Not in an environmentally protected area</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Public Health and Safety   | <ul style="list-style-type: none"><li>• Screening required if within 500 feet of residential structures</li><li>• Not located within 200 feet of public or private water wells</li><li>• If applicable, a plan to ensure leachate does not contaminate groundwater</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Infrastructure             | <ul style="list-style-type: none"><li>• Must be located on the <a href="#">State of Michigan’s All Season Road Network</a></li><li>• Traffic impact analysis if facility is generating over 100 trips per day</li><li>• Proof of sufficient utilities and stormwater management</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Community Input            | <ul style="list-style-type: none"><li>• Demonstrated need for the communities impacted</li><li>• Documented opportunity for public to provide input and comment</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Other                      | <ul style="list-style-type: none"><li>• Infrastructure Escrow (EGLE)</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

SECTION FOUR: ADMINISTRATION

ADMINISTRATION ROLES AND RESPONSIBILITIES

| Antrim Materials Management Administrative Structure                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. County Residents Voters of Antrim County                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <ul style="list-style-type: none"><li>Elect officials to the Board of Commissioners</li><li>Provide Input at Engagement Opportunities or Meetings</li><li>Participate in Materials Management Programs and Services</li></ul>                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 2. County Approval Agency Represented by the Antrim County Board of Commissioners                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <ul style="list-style-type: none"><li>Adopts Materials Management Plan</li><li>Approves contracts, agreements, and ordinances<ul style="list-style-type: none"><li>Appoints MMPC</li></ul></li></ul>                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 3. Antrim County Materials Management Planning Committee<br>Statutorily Appointed Advisory Body                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <ul style="list-style-type: none"><li>Plan, Advise, and Approve Draft MMP</li><li>Oversee Public Engagement and Outreach<ul style="list-style-type: none"><li>Oversee and Advise DPA</li></ul></li></ul>                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 4. Designated Planning Agency Appointed by the BOC-CAA                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Phase 1: Initial Planning and Approval Process<br>(October 2025 to July 2027)<br>DPA: Networks Northwest <ul style="list-style-type: none"><li>Facilitate and manage MMPC</li><li>MMP Grant Administration</li><li>Conduct MMP Planning Process<ul style="list-style-type: none"><li>Public Engagement</li><li>Draft and Revise MMP</li></ul></li><li>Conduct MMP Approval Process</li></ul> | Phase 2: Plan Implementation<br>(Beginning August 2027)<br>DPA: Antrim County - Deputy County Administrator <ul style="list-style-type: none"><li>* County reserves the right to contract a new DPA<ul style="list-style-type: none"><li>Retains Full Administration Oversight<ul style="list-style-type: none"><li>State Reporting and Grants</li></ul></li></ul></li><li>Oversee Local Contracts, Agreements, or related Ordinances</li><li>Future MMP review and development</li></ul> |
| 5. Service Partners Departments and Organizations for MMP Delivery                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| County Department Staff <ul style="list-style-type: none"><li>May Include Departments such as: Treasurer, Finance, Planning<ul style="list-style-type: none"><li>GIS Mapping</li><li>Grant Support</li></ul></li><li>Support to DPA with tasks</li></ul>                                                                                                                                     | Antrim Conservation District <ul style="list-style-type: none"><li>Holds Recycling Management contract</li><li>May assist with implementation, education, and outreach tasks.</li></ul>                                                                                                                                                                                                                                                                                                   |

The Administration Structure for Antrim County begins with the Residents and voters who provide the taxes for the services that they want and desire in their communities. They elect the respective elected officials in their municipality of residence, as well as the County Commissioner to represent them on the County Board of Commissioners.

The Antrim County Board of Commissioners, in the best interest of their constituents and community, retain financial authority and final approval for all County related materials management items. Antrim County Board of Commissioners has retained County Approval Agency authority and therefore has adoption approval of the MMP and appoints the Materials Management Planning Committee.

The Antrim County Materials Management Planning Committee is comprised of statutorily appointed members meeting requirements of elected officials and materials management industry. They oversee the planning process and drafting of the MMP through engagement with the public and advising the Designated Planning Agency.

The Designated Planning Agency for Charlevoix County has been broken into two phases: the 1st being the planning and approval phase and 2nd the plan implementation. The Phase 1 DPA was Networks Northwest who oversaw the planning process to draft the MMP and lead it through the approval and adoption process. The DPA for Phase 2 becomes Antrim County through the Deputy County Administrator, who will implement the MMP, take over grant reporting, oversee new or existing development such as ordinances, agreements, or contracts.

Antrim County also may utilize other County departments such as the Planning, Finance, or Treasurer for the support of implementing the plan. Antrim County also contracts with Antrim Conservation District for recycling management, and may be utilized.

**Capacity Note:** Antrim County does not maintain a standalone, full-time Materials Management Department. Materials management duties are integrated into existing staff members, and may seek additional support from appropriate organizations for program delivery, collections, and education and outreach. These may be done by public-private partnerships, interlocal agreements, contracts, or delegation to community partners.

PLAN AMENDMENT PROCESS

The proceeding plan amendment processes were developed to meet Part 115, specifically 324.11576 Amending a Materials Management Plan to reflect three amendment types and their processes.

1. Administrative Supplemental Amendments

The following changes do not require an amendment process if they are supplemental to the MMP according to EGLE. These changes will be logged in a State-provided supplement and merge into the plan at the next major amendment.

- Transportation Infrastructure
- Population Density
- Materials Management Facility Inventory
- Local ordinances regulating materials management facilities noise, litter, odor, dust, and other site nuisances. Additionally, landscaping, screening, other ancillary construction details, and hours of operation at a materials utilization facility
  - » Ordinances cannot regulate the development or other operational aspects of a materials management facility, location of a disposal area, and cannot be more stringent than part 115 requirements.

2. Expedited Amendment Process

The CAA may initiate an amendment process by filing a notice of intent to EGLE for amendment(s) that increase recycling or materials recovery. If authorized by EGLE, the following approval process may be utilized.

- Once approved by EGLE, the amendment must be sent to the identified organizations (local units of government, neighboring counties, and the regional planning agency).
- Publish a public notice of the amendment and host a 30-day public comment window with a public hearing for the amendment.



- » Provide 15 day notice of the public hearing.
- Final approval lies with the CAA before submitting to EGLE for written approval of the amendment.

**3. Standard Amendment Process**

A CAA initiated amendment that does not fall under Administrative or Expedited Amendment Process must follow the full initial plan adoption procedures.

- Follows the full standard process under Sections 11571 through 11575 (Drafting by the DPA, MMPC approval, 60-day public comment, public hearing, and formal municipal approval votes).

**4. EGLE Initiated and Intervention Amendments**

- EGLE Initiated Amendment
  - » IF EGLE determined that legislation, the State Solid Waste Policy, or EGLE Departmental decisions have significantly changed the required content of an MMP.
  - » The procedure for adopting an amendment to the MMP under EGLE Initiated Amendment is the same as the procedure for adoption of an initial MMP.
- EGLE Intervention Amendment
  - » If EGLE determines an MMP to be non-compliant and the CAA fails to amend the MMP, EGLE may amend the MMP on behalf of the County.

**5. 5 Year MMP Review**

Before every fifth anniversary of the MMP’s approval date, the County Approval Agency shall:

- Direct the MMPC to review the MMP to ensure compliance with Part 115 and evaluate the progress of MMP goals and benchmark recycling standards.
- Following consideration of the review of the MMP, the CAA shall submit to EGLE one of the following:
  - » A Notice of Intent to prepare an MMP amendment
  - » A written statement that an amendment is not needed to advance the MMP’s goals.