

Manistee-Missaukee-Wexford Multi-County Materials Management Planning Committee

Date: August 27, 2025
Time: 10:00 a.m. – 12:00 p.m.
Location: Wexford County Courthouse
Commissioners Meeting Room
437 E. Division Street
Cadillac MI 49601

PROPOSED AGENDA

- I. Call to Order**
- II. Public Comment**
- III. Approval of Agenda**
- IV. Approval of June 25, 2025 Meeting Minutes**
- V. Materials Management Planning**
 - a. Fiscal Year 2026 Work Program**
 - b. Survey Update**
 - c. Process Update**
 - d. Landfilling Data Review**
 - e. Previous Planning Efforts**
 - f. Facilitated MMP Discussion**
- VI. Committee Member Comments**
- VII. Public Comment**
- VIII. Adjourn**

Posted: _____

Signature: _____

Antrim • Benzie • Charlevoix • Emmet • Grand Traverse • Kalkaska • Leelanau • Manistee • Missaukee • Wexford
PO Box 506 • Traverse City, MI 49685-0506 • Phone (231) 929-5000 • Fax (231) 929-5012 networksnorthwest.org

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Wednesday, August 27, 2025

To: Manistee-Missaukee-Wexford MMPC
Fr: Mathew Cooke, Community Planner
Re: Materials Management Planning

Fiscal Year 2026 Work Program

Attached you will find the Manistee-Missaukee-Wexford Multi-County Materials Management Planning Fiscal Year 2026 Work Program draft for your review and consideration. The framework is the same as the FY 25 Work Program with updated information and notes on the task list. We have added Q4 of FY 2026 to include Data Collection and Discovery Phase.

The following motion is presented for you consideration:

Motion by _____, supported by _____, to approve the Manistee-Missaukee-Wexford Multi-County Materials Management Plan Work Program for Fiscal Year 2026 as presented, and send to Manistee, Missaukee, and Wexford County Approval Agencies for consideration of approval.

Survey Update

We would like to discuss with the MMPC on setting a survey close date of Friday, October 31, 2025 for all surveys. We would also like to hear from any members of potential community events in September and October that we may consider attending to promote the process and survey.

Process Update

In review of the Work Program milestone schedule, we are progressing as scheduled. We are in the middle of collecting stakeholder input and engagement and data related to materials generated. We are in progress of scheduling interviews with haulers and operators to take place in September 2025. RRS has collected and extrapolated data from landfilling data. We are now working to collect more business surveys which will collect data on materials, local units of government to pass along any data they may have (yard collections, recycling, etc.), and asking haulers and operators for any data they can provide.

Over the next couple of meetings, we will begin engaging with needs and opportunities to determine the direction of the MMP. This will start with a facilitated discussion during this meeting.

Landfill Data Review

Attached you will find information pertaining to landfill data in each of the three counties. RRS then used their data model to break out estimated material streams, tonnages, and where they were from. Please note that some of these figures may change as we collect additional information,

Facilitated Discussion

We will lead the committee through a facilitated discussion looking at the future of the counties materials management, identify gaps and challenges, and early thoughts on goals and objectives. We will plan to finish this by noon.



Manistee-Missaukee-Wexford Multi-County Materials Management Plan Fiscal Year 2026 Work Program

Approved by the Manistee-Missaukee-Wexford Multi- County
Materials Management Planning Committee on:
August XX 2025

Approved by the Manistee County
County Approval Agency on:
September XX 2025

Approved by the Missaukee County
County Approval Agency on:
September XX 2025

Approved by the Wexford County
County Approval Agency on:
September XX 2025

Acknowledgements

County Approval Agency Manistee County Board of Commissioners Jeff Dontz, Board Chair jeffdontz@gmail.com	MMP Grant Manager (Manistee) Lisa Sagala, County Administrator 415 Third Street Manistee, MI 49660 (231) 398-3504 lsagala@manisteecountymi.gov
County Approval Agency Missaukee County Board of Commissioners Dean Smallegan, Board Chair act@theinastore.com	MMP Grant Manager (Missaukee) Jessica Nielsen, County Administrator 111 S. Canal Street Lake City, MI 49651 (231) 839-4200 x 503 admin@missaukee.org
County Approval Agency Wexford County Board of Commissioners Gary Taylor, Board Chair gtaylor@wexfordcounty.org	MMP Grant Manager (Wexford) Joe Porterfield, County Administrator 437 E. Division St. Cadillac, MI 49601 (231) 779-9453 jporterfield@wexfordcounty.org
Designated Planning Agency Networks Northwest Mathew Cooke, Community Planner 600 East Front Street Suite 205 Traverse City, MI 49686 (231) 929-5056 mathew.cooke@networksnorthwest.org	

Manistee-Missaukee-Wexford Multi-County Materials Management Planning Committee	
Regional Planning Agency Mike Szokola Networks Northwest	County Elected Official Nikki Koons Manistee County
Solid Waste Disposal Facility Chris Gee GFL <i>Alternate:</i> <i>Mark Bevelhymer</i> <i>GFL</i>	Compost Facility Jason Murphy Waste Management <i>Alternate:</i> <i>Fred Sawyers</i> <i>Waste Management</i>
Township Elected Official Larry Paquette Cedar Creek Township	Business Generating Managed Materials Cory Brown Northern Disposal
City or Village Elected Official Joe Grzybowski City of Manton	Waste Diversion, Reuse, or Reduction Facility Karla Kasten-Smith BARC
Environmental Interest Group Renee Mallison Manistee Conservation District	Managed Materials Hauler Todd Harland Republic Services
Materials Recovery Facility Rita Meech Ms. Green	
Additional Members	
Elected Official of County or Municipality (Wexford) Jason Baughn Wexford County	Member of the General Public Sherry Blaszak Missaukee County Planning Commission

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 will assure material management capacities for non-hazardous waste generated in the County, ensuring materials (think food waste, recyclables, etc.) 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.

Please note that this Work Program is developed to meet Part 115 and may be amended.

Proposed Milestone Schedule

Please note that the yellow highlights denote the schedule for Fiscal Year 2026.

Proposed Milestone Schedule																				
	2024				2025				2026				2027				2028			
	Q2 Jan-Mar	Q3 Apr-June	Q4 Jul-Sep	Q1 Oct-Dec	Q2 Jan-Mar	Q3 Apr-June	Q4 Jul-Sep	Q1 Oct-Dec	Q2 Jan-Mar	Q3 Apr-June	Q4 Jul-Sep	Q1 Oct-Dec	Q2 Jan-Mar	Q3 Apr-June	Q4 Jul-Sep	Q1 Oct-Dec	Q2 Jan-Mar	Q3 Apr-June	Q4 Jul-Sep	Q1 Oct-Dec
Task																				
1. Planning Initiation	X	X	X	X																
2. Materials Management Planning Committee				X	X	X	X	X	X	X	X	X	X	X	X					
3. Project Administration			X	X	X	X	X	X	X	X	X	X	X	X	X					
4. Materials Management Planning Grant				X	X	X	X	X	X	X	X	X	X	X	X					
5. MMP Contract				X	X	X	X	X	X	X	X	X	X	X	X					
6. Plan Project Management	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
7. Data Collection & Discovery Phase					X	X	X	X												
8. Stakeholder Engagement						X	X	X												
9. Analysis and Opportunities Phase									X	X	X									
10. Prepare Draft Materials Management Plan									X	X	X	X	X							
11. Plan Adoption												X	X	X	X					
12. Plan Implementation													X	X	X	X	X	X	X	

Tasks

Please note that the yellow highlights denote the tasks for Fiscal Year 2026.

Task	Notes	Responsible Party	Status
1. Planning Initiation			
Plan Updates Initiated by EGLE	<i>Official planning process began on January 8th, 2024 via letter.</i>	County	Completed
Establish County Approval Agency	<i>At their June 18 2024 meeting, the Manistee County Board of Commissioners accepted the responsibility of the CAA.</i> <i>At their June 11 2024 meeting, the Missaukee County Board of Commissioners accepted the responsibility of the CAA.</i> <i>At their June 20 2024 meeting, the Wexford County Board of Commissioners accepted the responsibility of the CAA.</i>	County	Completed
Appoint Designated Planning Agency	<i>At their September 17, 2024 meeting, the Manistee County Board of Commissioners appointed Networks Northwest at the DPA.</i> <i>At their September 10, 2024 meeting, the Missaukee County Board of Commissioners appointed Networks Northwest at the DPA.</i> <i>At their September 18, 2024 meeting, the Wexford County Board of Commissioners appointed Networks Northwest at the DPA.</i>	County	Completed
Submit Notice of Intent	<i>Manistee County submitted their Notice of Intent on July 5, 2024.</i> <i>Missaukee County submitted their Notice of Intent on July 5, 2024.</i> <i>Wexford County submitted their Notice of Intent on July 5, 2024.</i>	County	Completed

Interlocal Agreement	<p><i>At their June 18, 2024, Manistee County Board of Commissioners approved an Interlocal Agreement to establish a multi-county Materials Management Plan with Missaukee County and Wexford County.</i></p> <p><i>At their June 11 2024, Missaukee County Board of Commissioners approved an Interlocal Agreement to establish a multi-county Materials Management Plan with Manistee County and Wexford County.</i></p> <p><i>At their June 20 2024, Wexford County Board of Commissioners approved an Interlocal Agreement to establish a multi-county Materials Management Plan with Manistee County and Missaukee County.</i></p>	County	Completed
2. Materials Management Planning Committee			
MMPC Recruitment	<p><i>Recruitment of MMPC members was done through multiple communications to Local Units of Government and identified organizations that met Part 115 criteria and press releases to notice of the opportunity to apply to sit on the MMPC.</i></p>	County/DPA	Completed
MMPC Administrative Support	<p><i>Including but not limited to agenda setting, document preparation, scheduling, public noticing, recording of minutes, communications, and committee support.</i></p>	DPA	Ongoing
MMPC Bylaws	<p><i>The Manistee-Missaukee-Wexford Multi-County MMPC approved the MMPC bylaws at its March 26, 2025 meeting.</i></p>	County/DPA	Completed
MMP Work Plan	<p><i>FY 25 - Submitted March 2025 FY 26 - In progress</i></p>	DPA	Ongoing
Submit Work Program for EGLE Approval	<p><i>The Manistee-Missaukee-Wexford Multi-County Fiscal Year 2026 Work Program was submitted to EGLE on XXXX XX, 2025.</i></p>	DPA	Ongoing
3. Project Administration			
MMP Webpage	<p><i>In addition to the County Materials Management webpages, Networks Northwest is maintaining a Manistee-Missaukee-Wexford Multi-County Materials Management Plan webpage.</i></p>	County/DPA	Ongoing
County Staff Contact	<p><i>See acknowledgements.</i></p>	County	Completed
Plan Development Management		DPA	Ongoing
Public Engagement Management	<p><i>Determined in conjunction with the MMPC members through survey, community events, and MMPC meetings.</i></p>	DPA	Ongoing
4. Materials Management Planning Grant			

Submit Grant Application	<i>Submission takes place following the approval of the Work Program.</i>	County/DPA	In Progress
Grant Administration	<i>DPA and County to work together for MMP grant administration.</i>	County/DPA	Ongoing
5. MMP Contract			
Contract with Consultant	<i>Networks Northwest was selected as the contractor to act as the Manistee-Missaukee-Wexford Multi-County Materials Management Plan Designated Planning Agency, manage the MMPC, and develop the MMP to meet Part 115. A contract was signed in September 2024 by all parties.</i>	County	Completed
6. Plan Project Management			
County and DPA Communications on Plan Progress	<i>Meetings between County staff and DPA as necessary. Written reports to be delivered to CAAs as process moves forward.</i>	County/DPA	Ongoing
7. Data Collection & Discovery Phase			
Previous Planning and Studies Review	<i>Collect, review, and analyze existing reports, studies, solid waste plans, etc.</i>	DPA	Ongoing
Public Engagement and Awareness	<i>MMPC Meetings, community events, and presentations as requested.</i>	DPA	Ongoing
Data Collection	<i>Collecting data information from landfilling, local units of government, businesses</i>		Ongoing
Existing Conditions Analysis	<i>Evaluation of demographics, existing waste diversion, facilities, programs, educational awareness.</i>	DPA	Ongoing
Summary of Findings	<i>A summary of the collected data and discovery phase will be drafted for inclusion in the draft MMP.</i>	DPA	Ongoing
8. Stakeholder Engagement			
Local Municipality Engagement	<i>A Local Unit of Government MMP Survey has been distributed for response. An MMP Newsletter to LUG's has been sent out to inform them of the MMP process and survey. Future LUG meetings may take place if desired by organizations for further MMP discussion.</i>	DPA	Ongoing
Business Engagement	<i>A Business MMP Survey has been distributed for response through economic development organizations and direct business contact. DPA is attending local Chamber events to inform businesses of the opportunity,</i>		Ongoing
Resident Engagement	<i>A County Resident MMP Survey has been distributed for response through various channels including local organizations, press releases, social media, survey business cards, local community events, news articles.</i>	DPA	Ongoing

Hauler and Operator Engagement	<i>Hauler and Operator interviews are being scheduled with a facilitated set of questions related to operations, services, and future plans.</i>	DPA	Ongoing
Community Events	<i>DPA Staff continues to attend community events in the planning area to promote the process and surveys.</i>	DPA	Ongoing
9. Analysis and Opportunities Phase			
Gap Analysis and Needs Assessment	<i>Analyze the collected data and stakeholder engagement to determine potential gaps and needs within the County's</i>	DPA	In Progress
Best Management Practices Evaluation	<i>Examine best practices for MMPC identified projects, services, etc.</i>	DPA	In Progress
Supporting Policy and Funding Mechanism	<i>Develop recommendations for policy and funding of new and existing programs, services, etc.</i>	DPA	In Progress
Draft Model Ordinances	<i>Draft ordinances that meet local, state and federal laws that are easily adopted by local units of government.</i>	DPA	In Progress
10. Prepare Draft Materials Management Plan			
Develop Draft Materials Management Plan	<i>Developed to meet Part 115 legislation as well as the community needs.</i>	DPA	In Progress
Goals and Objectives	<i>Developed based on collected data, stakeholder engagement, and MMPC meetings.</i>	DPA	In Progress
Action Plan	<i>Developed based on collected data, stakeholder engagement, and MMPC meetings.</i>	DPA	In Progress
Implementation Strategy	<i>Developed based on collected data, stakeholder engagement, and MMPC meetings.</i>	DPA	In Progress
11. Plan Adoption			
MMPC Draft MMP Approval		DPA	Future
60-Day Public Comment Period and Public Hearing		DPA	Future
Plan Revisions		DPA	Future
MMP adopted by CAA		County/DPA	Future
Cities, Villages, and Townships Approval of MMP		DPA	Future
MMP Submission for EGLE Final Approval		DPA	Future
12. Plan Implementation			
Goals and Objectives Workplan		County/DPA	Future
New Program Development or Enhancement		County/DPA	Future
Funding		County/DPA	Future
Education and Outreach		County/DPA	Future
Data Collection, Updates and Maintenance		County/DPA	Future

Partnerships and Collaboration	County/DPA	Future
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Public Participation

The Manistee-Missaukee-Wexford Multi-County Materials Management Planning Committee is scheduled to meet on the Fourth Wednesday of each month at 10:00am, unless otherwise notified with meeting locations rotating between the Manistee, Missaukee, and Wexford County Government Centers. Meeting agendas contain two opportunities for public comment. Additional public input opportunities will be presented in community events, requested local units of government meetings, and planning area surveys.

In addition to information on the respective County webpages, Networks Northwest maintains a Manistee-Missaukee-Wexford Multi-County MMP Resource Webpage (nwm.org/MMP) with meeting information and planning process documents as they are developed.

Projected meeting dates for Fiscal Year 2026 are:

- Wednesday, October 22, 2025 – Missaukee County
- Wednesday, November 26, 2025 – Wexford County
- Wednesday, December 24, 2025 – Manistee County
- Wednesday, January 28, 2026 – Missaukee County
- Wednesday, February 25, 2026 – Wexford County
- Wednesday, March 25, 2026 – Manistee County
- Wednesday, April 22, 2026 – Missaukee County
- Wednesday, May 27, 2026 – Wexford County
- Wednesday, June 24, 2026 – Manistee County
- Wednesday, July 22, 2026 – Missaukee County
- Wednesday, August 26, 2026 – Wexford County
- Wednesday, September 23, 2026 – Manistee County

Costs

5 Year Projected Revenues

<i>Five (5) Year Projected Materials Management Planning Grant Revenues Received by Manistee, Missaukee, and Wexford County for MMP Planning and Implementation</i>		
Per County	Amount	Man-Mis-Wex Multicounty
Base Amount	\$ 60,000 per County per year	\$ 180,000.00
Multi-County Planning Bonus	\$ 10,000 per County per year	\$ 30,000.00
Per Capita Multiplier (for first three years)	\$.50 per resident	\$ 36,878.50
<i>2020 Census Populations Manistee – 25,032 Missaukee - 15,052 Wexford - 33,673 Total - 73,757</i>		
<i>Years 1, 2, and 3 Subtotal</i>		\$ 740,635.50
<i>Years 4 and 5 Subtotal</i>		\$ 420,000.00
MMP 5 Year Total		\$ 1,160,635.50

Fiscal Year 2026 Projected Revenues

<i>FY 26 Projected Materials Management Planning Grant Revenues Received by <u>Manistee County</u> for MMP Planning and Implementation</i>	
Base Amount - per year	\$ 60,000.00
Multi-County Planning Bonus	\$10,000.00
Per Capita Bonus (for first three years) .50¢ per capita	\$ 12,516.00
<i>2020 Manistee County Census Population – 25,032</i>	
FY 26 Total	\$ 82,516.00

<i>FY 26 Projected Materials Management Planning Grant Revenues Received by <u>Missaukee County</u> for MMP Planning and Implementation</i>	
Base Amount - per year	\$ 60,000.00
Multi-County Planning Bonus	\$10,000.00
Per Capita Bonus (for first three years) .50¢ per capita	\$ 7,526.00
<i>2020 Missaukee County Census Population – 15,052</i>	
FY 26 Total	\$ 77,526.00

<i>FY 26 Projected Materials Management Planning Grant Revenues Received by <u>Wexford County</u> for MMP Planning and Implementation</i>	
Base Amount - per year	\$ 60,000.00
Multi-County Planning Bonus	\$10,000.00
Per Capita Bonus (for first three years) .50¢ per capita	\$ 16,836.50
<i>2020 Wexford County Census Population - 33,673</i>	
FY 26 Total	\$ 86,836.50

Fiscal Year 2026 Expenditures

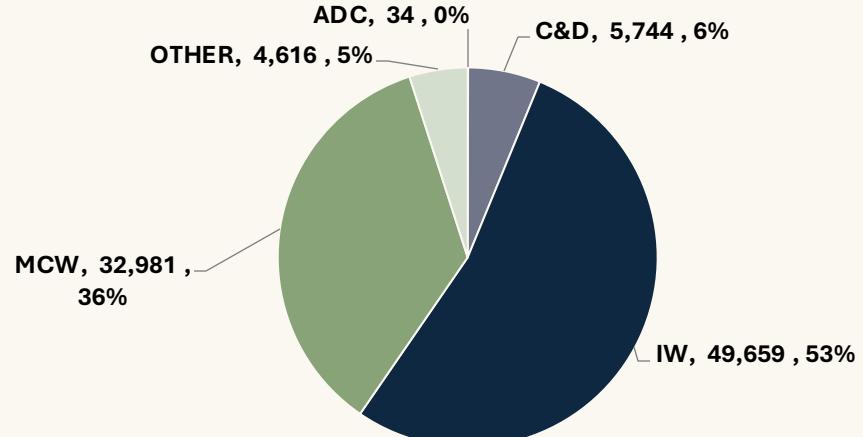
<i>FY 26 Materials Management Planning Grant Expenditure Budget for MMP Planning and Implementation</i>	
Task	Amount
Manistee County Expenses <i>*Contractual Services - \$60,000.00</i> <i>Staff Time - \$17,000.00</i> <i>Meeting Expenses - \$3,264.00</i> <i>Contingency - \$2,252.00</i>	\$ 82,516.00
Missaukee County Expenses <i>*Contractual Services - \$60,000.00</i> <i>Staff Time - \$12,000.00</i> <i>Meeting Expenses - \$3,774.00</i> <i>Contingency - \$1,752.00</i>	\$ 77,526.00
Wexford County Expenses <i>*Contractual Services - \$60,000.00</i> <i>Staff Time - \$20,000.00</i> <i>Meeting Expenses - \$4,152.85</i> <i>Contingency - \$2,683.65</i>	\$ 86,836.50
<i>*Contractual Services includes but is not limited to Materials Management Plan Development to Meet Part 115, MMP Process Administration, MMPC Facilitation and Administration, Public Engagement, Meeting Notices, and Approval Process</i>	
Total Expenses	\$ 245,378.50

Staffing

<u>Position</u>	<u>FTE</u>	<u>Responsibilities</u>
Networks Northwest (DPA)		Listed in Work Program Tasks
Manistee County Staff		Listed in Work Program Tasks
Missaukee County Staff		Listed in Work Program Tasks
Wexford County Staff		Listed in Work Program Tasks

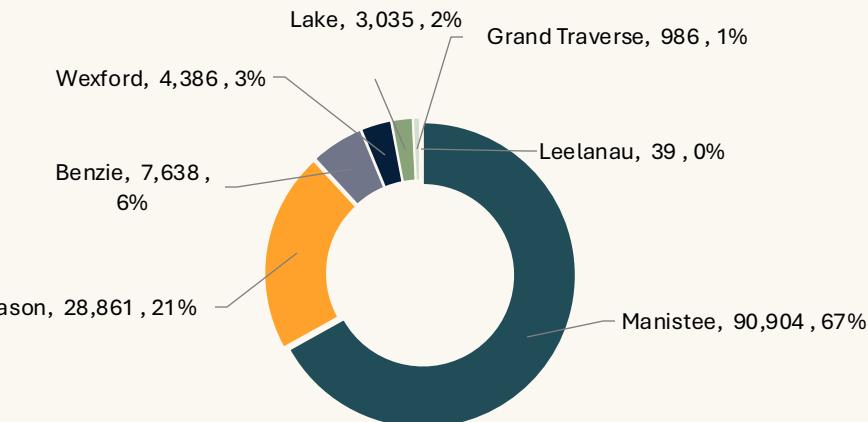
1 - EGLE Annual Landfill Report | Manistee

MICHIGAN LANDFILL WASTE GENERATED BY MANISTEE COUNTY BY TYPE IN TONS 2024



Total Tons Landfilled in MI from each County FY 2024	Tons
Tons from Charlevoix	242,114.42
Tons from Manistee	93,033.15
Tons from Antrim	78,111.39
Tons from Wexford	58,665.15
Tons from Missaukee	29,706.13

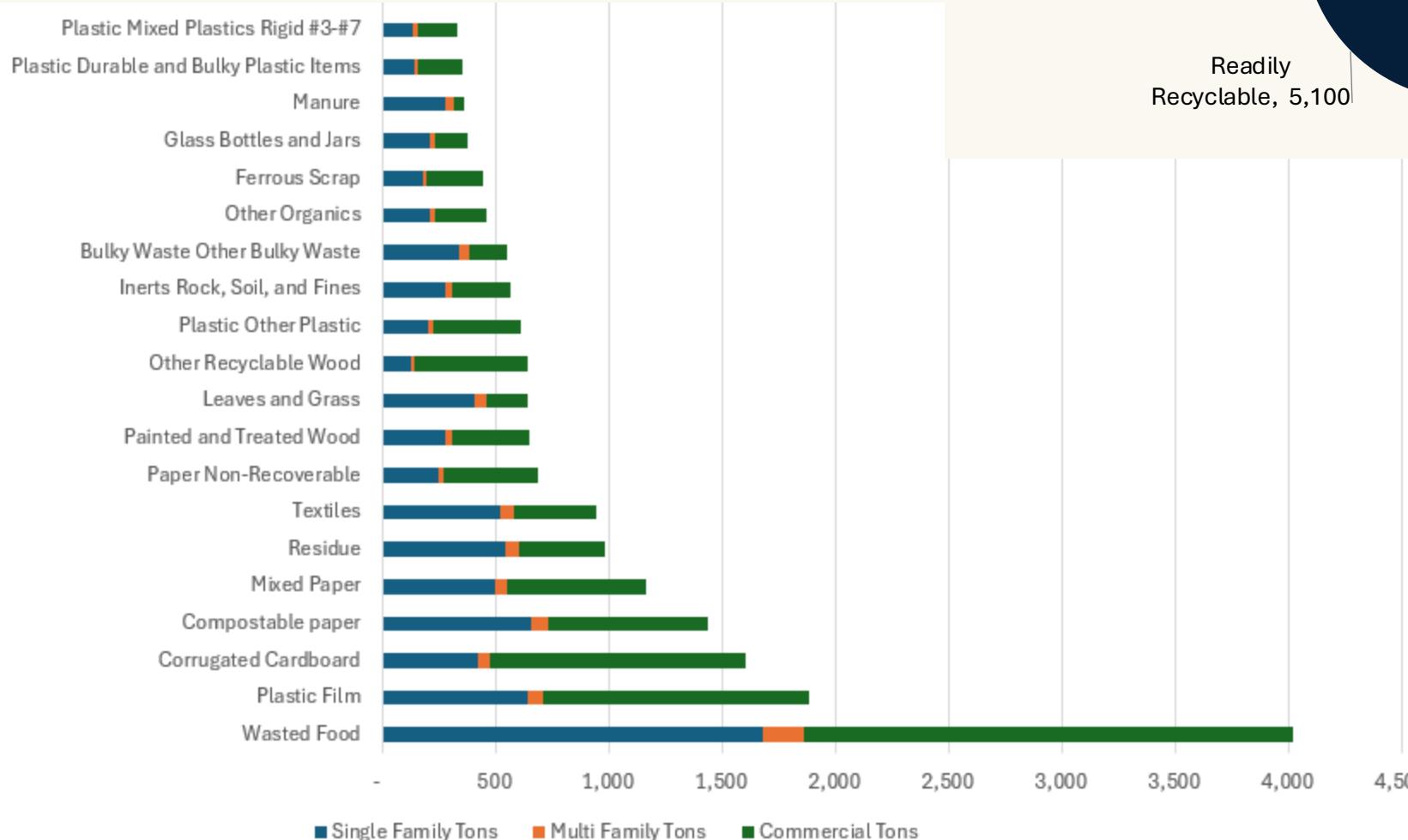
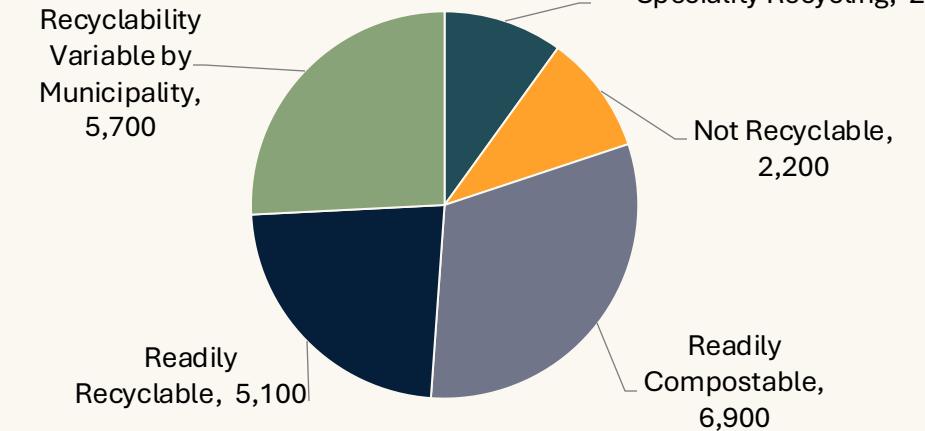
ORIGIN OF WASTE LANDFILLED IN MANISTEE CO FY 2024 IN TONS



Michigan Landfill Waste Generated by Manistee County by Type in Tons 2024	Total Generated	Disposal Location			Glens Sanitary Landfill (Leelanau County) Glen's Sanitary Landfill Inc / Waste Management
		Manistee County Landfill (Manistee County) Harland's Sanitary Landfill Inc / Republic	Wexford County Landfill (Wexford County) Wexford County Landfill LLC/GFL		
ADC	34			34	-
C&D	5,744		4,585	1,119	39
IW	49,659		49,559	95	4
MCW	32,981		32,280	118	584
OTHER	4,616		4,480	78	58
Grand Total	93,033		90,904	1,445	685

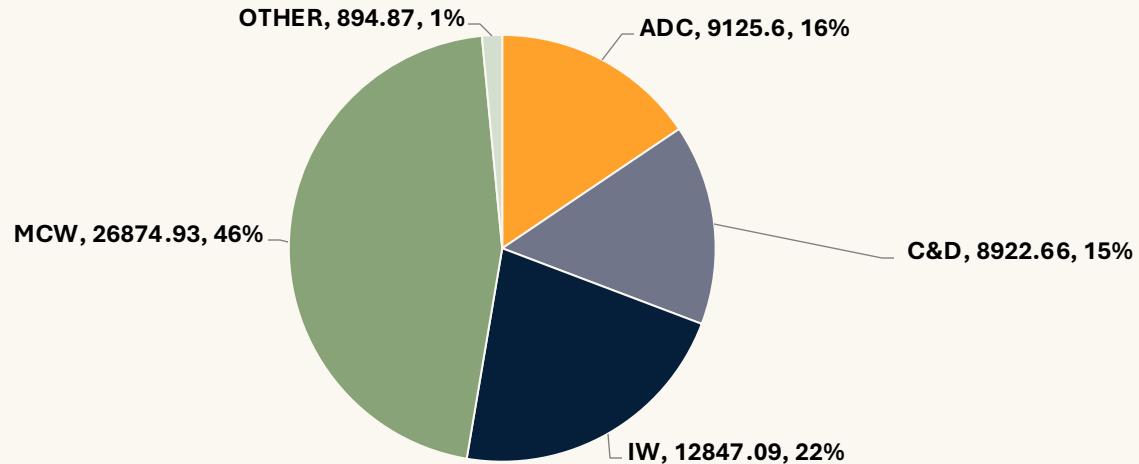
2 - RRS MCW Model | Manistee

LANDFILLED MCW MATERIAL RECYCLABILITY MODEL BY WEIGHT IN TONS FOR MANISTEE COUNTY 2024



1 - EGLE Annual Landfill Report | Wexford

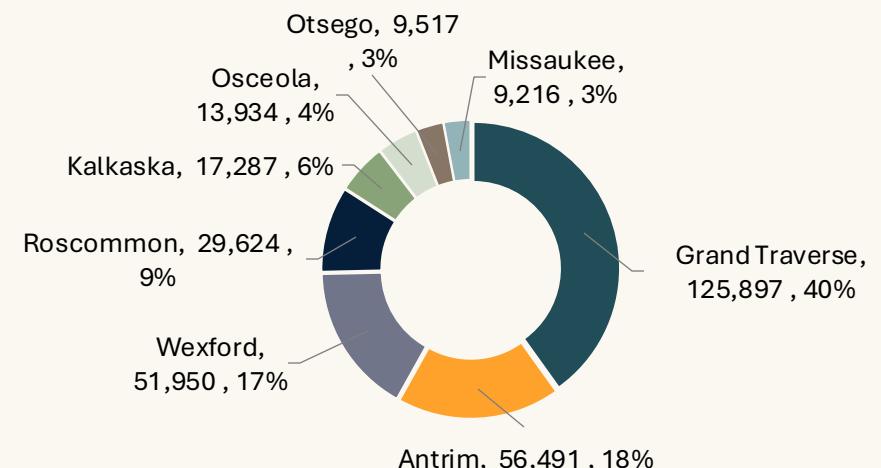
MICHIGAN LANDFILL WASTE GENERATED BY WEXFORD COUNTY BY TYPE IN TONS 2024



Michigan Landfill Waste Generated by Wexford County by Type in Tons 2024	Tons Generated	Disposal Location		
		Wexford County Landfill (Wexford County)	Manistee County Landfill (Manistee County)	Northern Oaks Recycling and Disposal Facility (Clare County)
ADC	9125.6	9,126	-	-
C&D	8922.66	8,728	158	37
IW	12847.09	12,812	35	-
MCW	26874.93	21,264	4,186	1,424
OTHER	894.87	20	7	868
Grand Total	58665.15	51,950	4,386	2,330

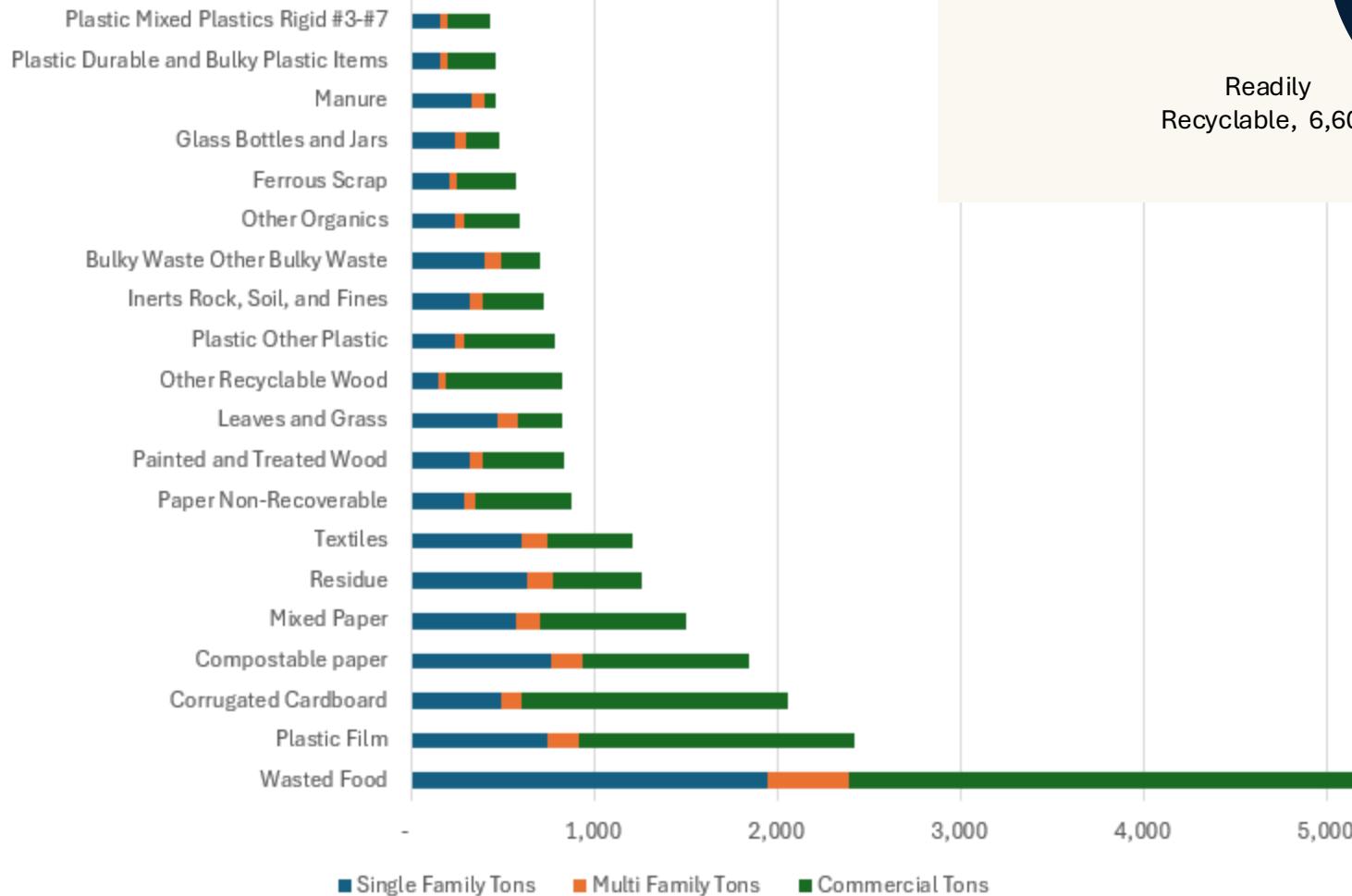
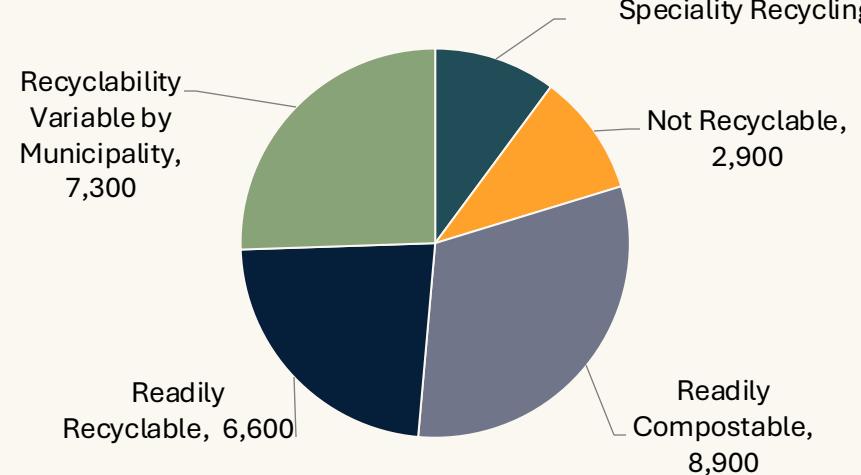
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ORIGIN OF WASTE LANDFILLED IN WEXFORD COUNTY FY 2024 IN TONS



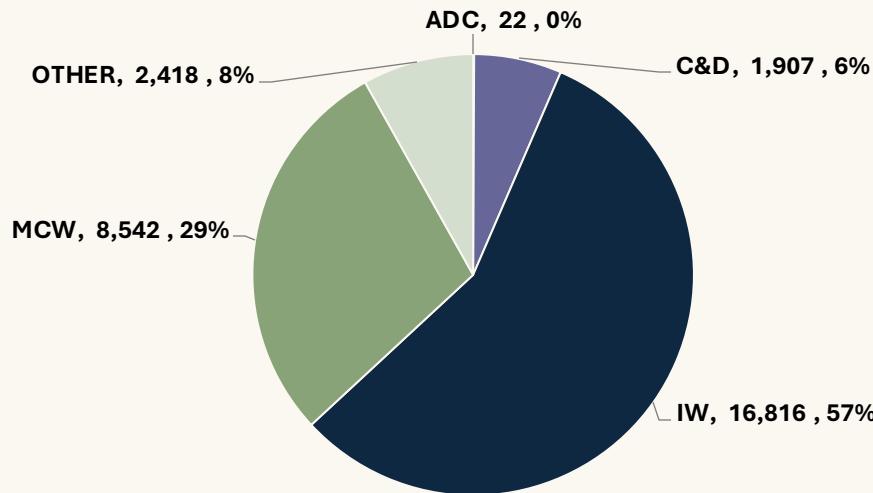
2 - RRS MCW Model | Wexford

LANDFILLED MCW MATERIAL RECYCLABILITY MODEL BY WEIGHT IN TONS FOR WEXFORD COUNTY 2024



1 - EGLE Annual Landfill Report | Missaukee

MICHIGAN LANDFILL WASTE GENERATED BY MANISTEE COUNTY BY TYPE IN TONS 2024

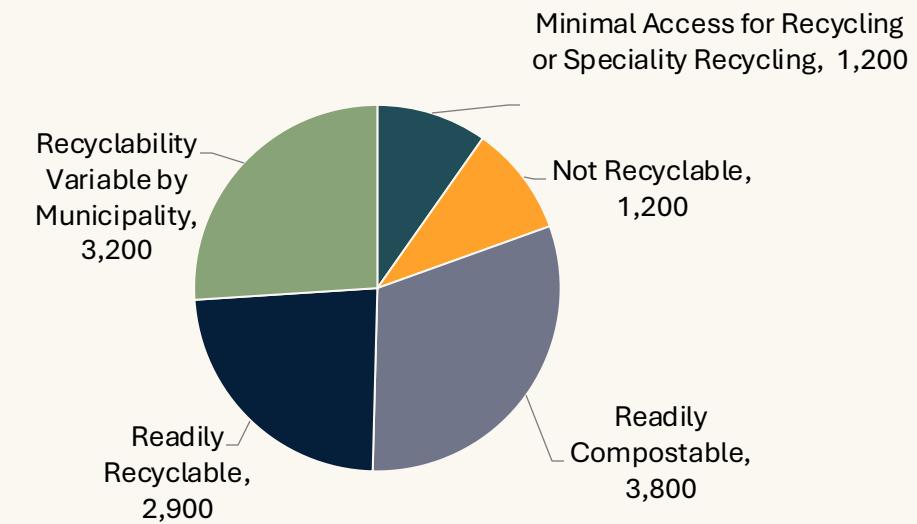
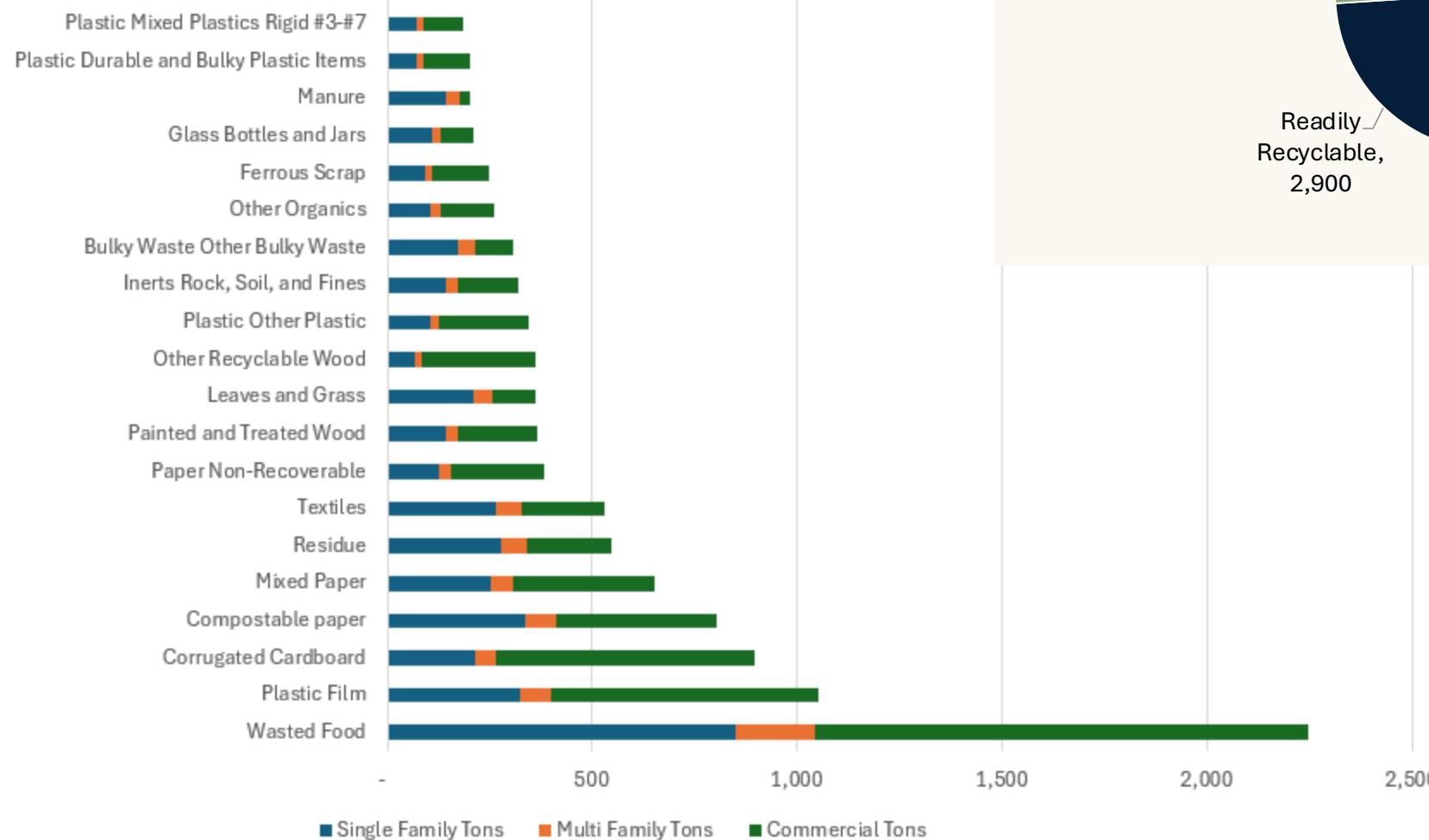


Total Tons Landfilled in MI from Each County FY 2024	Tons
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Tons from Manistee	93,033.15
Tons from Antrim	78,111.39
Tons from Wexford	58,665.15
Tons from Missaukee	29,706.13

Michigan Landfill Waste Generated by Missaukee County by Type in Tons 2024	Total Generated	Disposal Location	
		Northern Oaks Recycling and Disposal Facility (Clare County) Waste Management	Wexford County Landfill (Wexford County) Wexford County Landfill LLC/ GFL
ADC	22	-	22
C&D	1,907	370	1,536
IW	16,816	16,702	114
MCW	8,542	1,075	7,468
OTHER	2,418	2,343	75
Grand Total	29,706	20,490	9,216

2 - RRS MCW Model | Missaukee

LANDFILLED MCW MATERIAL RECYCLABILITY MODEL BY WEIGHT IN TONS FOR MISSAUKEE COUNTY 2024



3 – Benchmark Recycling Standard Status & Potential Risk

Benchmark Recycling Standard		Charlevoix	Manistee	Antrim	Wexford	Missaukee
	2020 Census Population	26,054	25,032	23,431	33,673	15,052
	Population Rate of Change from 2010 to 2022	+ 1.4%	+ 2.8%	+ 3.2%	+ 4.5%	+ 2.7%
	Estimated 2023 County Population	26,143	25,247	23,876	33,868	15,156
	Largest City and Population	Boyne, ~3,800	Manistee City, ~6,200	Mancelona, ~4,300	Cadillac, ~10,000	Lake Township, ~2,800
	Second Largest City and Population	Charlevoix City, ~2,400	Manistee Township, ~4,000	Elk Rapids, ~2,500	Haring, ~3,500	Richland, ~1,700
Jan 1,2026	At least 90% of single-family dwellings in URBAN areas have access to curbside recycling.	NA	NA	NA	NA	NA
Jan 1,2028	At least 90% of single-family dwellings in municipalities with MORE THAN 5,000 RESIDENTS have access to curbside recycling.	NA	BRS MET	NA	BRS MET	NA
Jan 1,2032	In counties with a population of LESS THAN 100,000 there is at least 1 drop-off per 10,000 residents without curbside.	BRS MET	BRS MET	BRS MET	BRS MET	BRS MET
Jan 1,2032	In counties with a population of 100,000 OR MORE there is at least 1 drop-off for each 50,000 residents without curbside.	NA	NA	NA	NA	NA
		7 Drop-Off Locations	13 Drop-Off Locations	11 Drop-off Locations	4 Drop-Off Locations	1 Drop-Off Location. ~64 hrs/mo.

3 - Estimated Diversion Rates

- **Charlevoix | Total: 12%**

- > Residential: 16%
 - > Commercial: 8%

- **Manistee | Total: 11%**

- > Residential: 17%
 - > Commercial: 6%

- **Antrim | Total: 10%**

- > Residential: 16%
 - > Commercial: 6%

- **Wexford | Total: 12%**

- > Residential: 13%
 - > Commercial: 11%

- **Missaukee | Total: 10%**

- > Residential: 17%
 - > Commercial: 4%

MI HEALTHY CLIMATE PLAN



EGLE MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY

APRIL 2022

2022 State of Michigan Goals:

45% Recycling Rate by 2030.

50% Reduction in Food loss and waste by 2030.

Summary

OPPORTUNITIES

- Dial-in recycling rates with actual data from counties with recorded materials weights, potentially Charlevoix, Manistee, Missaukee.
- Increase diversion by focusing on the largest landfilled materials by weight:
 - Recycling: Cardboard, Plastic Films, Mixed Papers, Textiles
 - Composting: food waste & compostable paper
- Develop historical volume estimates of Storm Debris and Construction and Demolition materials, seek to improve future data tracking on these categories.

NOTE

- Be aware of potential risks to Benchmark Recycling Standard status if there are reductions in curbside services in key communities, reductions in drop-off locations or drop-off hours of operation.
- Be aware of potential risks to future Benchmark Recycling Standard status resulting from population increases in key communities throughout the lifespan of the MMP.