

## **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:** \_\_\_\_\_

**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 your 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

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

| <b>Manistee-Missaukee-Wexford Multi-County<br/>Materials Management Planning Committee</b>                      |   |
|---|---|
| <b>Regional Planning Agency</b><br>Mike Szokola<br>Networks Northwest   | <b>County Elected Official</b><br>Nikki Koons<br>Manistee County  |
| <b>Solid Waste Disposal Facility</b><br>Chris Gee<br>GFL<br><i>Alternate:</i><br><i>Mark Bevelhymmer</i><br>GFL | <b>Compost Facility</b><br>Jason Murphy<br>Waste Management<br><i>Alternate:</i><br><i>Fred Sawyers</i><br>Waste Management |
| <b>Township Elected Official</b><br>Larry Paquette<br>Cedar Creek Township                                      | <b>Business Generating Managed<br/>Materials</b><br>Cory Brown<br>Northern Disposal   |
| <b>City or Village Elected Official</b><br>Joe Grzybowski<br>City of Manton                                     | <b>Waste Diversion, Reuse, or Reduction<br/>Facility</b><br>Karla Kasten-Smith<br>BARC                                      |
| <b>Environmental Interest Group</b><br>Renee Mallison<br>Manistee Conservation District                         | <b>Managed Materials Hauler</b><br>Todd Harland<br>Republic Services  |
| <b>Materials Recovery Facility</b><br>Rita Meech<br>Ms. Green   |   |
| <b>Additional Members</b>   |   |
| <b>Elected Official of County or<br/>Municipality (Wexford)</b><br>Jason Baughn<br>Wexford County               | <b>Member of the General Public</b><br>Sherry Blazsak<br>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           |            |            |            |             |            |            |
| 3. Project Administration                   |            |             | 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           |            |            |            |             |            |            |
| 5. MMP Contract                             |            |             |            | 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           |            |            |            |             |            |            |
| 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          |            |             |            |            |            |             |            |            |
| 11. Plan Adoption                           |            |             |            |            |            |             |            |            |            |             |            | X          | X          | X           | X          |            |            |             |            |            |
| 12. Plan Implementation                     |            |             |            |            |            |             |            |            |            |             |            |            |            |             | 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    |
|------------------------------------|---|-------------------|-----------|
| <b>1. Planning Initiation</b>      |   |                   |           |
| 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><br><br><i>At their June 11 2024 meeting, the Missaukee County Board of Commissioners accepted the responsibility of the CAA.</i><br><br><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><br><br><i>At their September 10, 2024 meeting, the Missaukee County Board of Commissioners appointed Networks Northwest at the DPA.</i><br><br><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><br><br><i>Missaukee County submitted their Notice of Intent on July 5, 2024.</i><br><br><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 |
| <b>2. Materials Management Planning Committee</b> |   |            |           |
| MMPC Recruitment                                  | <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>   | County/DPA | Completed |
| MMPC Administrative Support                       | <i>Including but not limited to agenda setting, document preparation, scheduling, public noticing, recording of minutes, communications, and committee support.</i>   | DPA        | Ongoing   |
| MMPC Bylaws                                       | <i>The Manistee-Missaukee-Wexford Multi-County MMPC approved the MMPC bylaws at its March 26, 2025 meeting.</i>   | County/DPA | Completed |
| MMP Work Plan                                     | <i>FY 25 - Submitted March 2025 FY 26 - In progress</i>   | DPA        | Ongoing   |
| Submit Work Program for EGLE Approval             | <i>The Manistee-Missaukee-Wexford Multi-County Fiscal Year 2026 Work Program was submitted to EGLE on XXXX XX, 2025.</i>  | DPA        | Ongoing   |
| <b>3. Project Administration</b>                  |   |            |           |
| MMP Webpage                                       | <i>In addition to the County Materials Management webpages, Networks Northwest is maintaining a Manistee-Missaukee-Wexford Multi-County Materials Management Plan webpage.</i>  | County/DPA | Ongoing   |
| County Staff Contact                              | <i>See acknowledgements.</i>  | County     | Completed |
| Plan Development Management                       |   | DPA        | Ongoing   |
| Public Engagement Management                      | <i>Determined in conjunction with the MMPC members through survey, community events, and MMPC meetings.</i>   | DPA        | Ongoing   |
| <b>4. Materials Management Planning Grant</b>     |   |            |           |

|   |   |            |             |
|---|---|------------|-------------|
| 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     |
| <b>5. MMP Contract</b>                          |   |            |             |
| 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 sign in September 2024 by all parties.</i> | County     | Completed   |
| <b>6. Plan Project Management</b>               |   |            |             |
| 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     |
| <b>7. Data Collection &amp; Discovery Phase</b> |   |            |             |
| 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     |
| <b>8. Stakeholder Engagement</b>                |   |            |             |
| 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     |
| <b>9. Analysis and Opportunities Phase</b>         |  |            |             |
| 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 |
| <b>10. Prepare Draft Materials Management Plan</b> |  |            |             |
| 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 |
| <b>11. Plan Adoption</b>                           |  |            |             |
| 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      |
| <b>12. Plan Implementation</b>                     |  |            |             |
| 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<br>Collaboration |  | County/DPA | Future |
|-----------------------------------|--|------------|--------|

## **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](http://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<br/>Received by Manistee, Missaukee, and Wexford County for MMP Planning and Implementation</i> |                               |                                    |
|---|-------------------------------|------------------------------------|
| <b>Per County</b>   | <b>Amount</b>                 | <b>Man-Mis-Wex<br/>Multicounty</b> |
| 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<br>(for first three years)  | \$ .50 per resident           | \$ 36,878.50                       |
| <i>2020 Census Populations Manistee – 25,032 Missaukee - 15,052 Wexford -<br/>33,673 Total - 73,757</i>   |                               |                                    |
| <i>Years 1, 2, and 3 Subtotal</i>   |                               | <i>\$ 740,635.50</i>               |
| <i>Years 4 and 5 Subtotal</i>   |                               | <i>\$ 420,000.00</i>               |
| <b>MMP 5 Year Total</b>   |                               | <b>\$ 1,160,635.50</b>             |

## **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)<br>.50¢ per capita  | \$ 12,516.00        |
| <i>2020 Manistee County Census Population – 25,032</i>   |                     |
| <b>FY 26 Total</b>   | <b>\$ 82,516.00</b> |

|   |                     |
|---|---------------------|
| <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)<br>.50¢ per capita   | \$ 7,526.00         |
| <i>2020 Missaukee County Census Population – 15,052</i>   |                     |
| <b>FY 26 Total</b>  | <b>\$ 77,526.00</b> |

|   |                     |
|---|---------------------|
| <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)<br>.50¢ per capita   | \$ 16,836.50        |
| <i>2020 Wexford County Census Population - 33,673</i>   |                     |
| <b>FY 26 Total</b>  | <b>\$ 86,836.50</b> |

## **Fiscal Year 2026 Expenditures**

| <b><i>FY 26 Materials Management Planning Grant<br/>Expenditure Budget for MMP Planning and Implementation</i></b>   |                      |
|--|----------------------|
| <b>Task</b>  | <b>Amount</b>        |
| Manistee County Expenses<br><i>*Contractual Services - \$60,000.00</i><br><i>Staff Time - \$17,000.00</i><br><i>Meeting Expenses - \$3,264.00</i><br><i>Contingency - \$2,252.00</i>   | \$ 82,516.00         |
| Missaukee County Expenses<br><i>*Contractual Services - \$60,000.00</i><br><i>Staff Time - \$12,000.00</i><br><i>Meeting Expenses - \$3,774.00</i><br><i>Contingency - \$1,752.00</i>  | \$ 77,526.00         |
| Wexford County Expenses<br><i>*Contractual Services - \$60,000.00</i><br><i>Staff Time - \$20,000.00</i><br><i>Meeting Expenses - \$4,152.85</i><br><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> |                      |
| <b>Total Expenses</b>  | <b>\$ 245,378.50</b> |

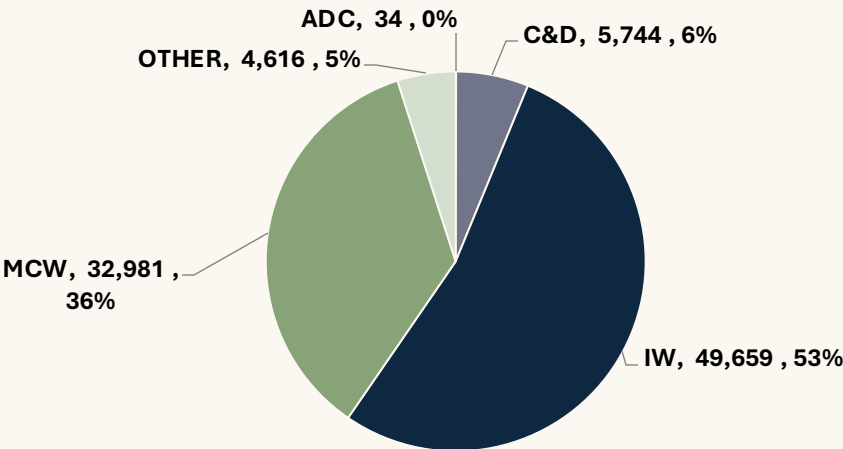


## **Staffing**

| <b><u>Position</u></b>   | <b><u>FTE</u></b> | <b><u>Responsibilities</u></b> |
|--------------------------|-------------------|--------------------------------|
| 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

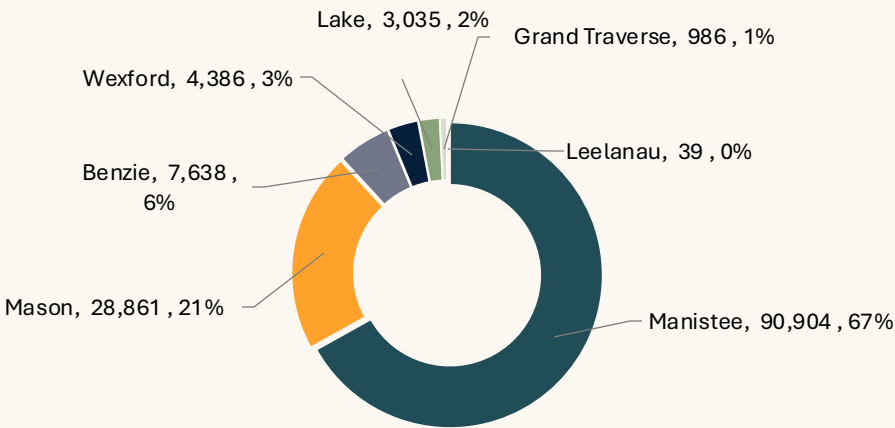
MICHIGAN LANDFILL WASTE GENERATED BY MANISTEE COUNTY BY TYPE IN TONS 2024



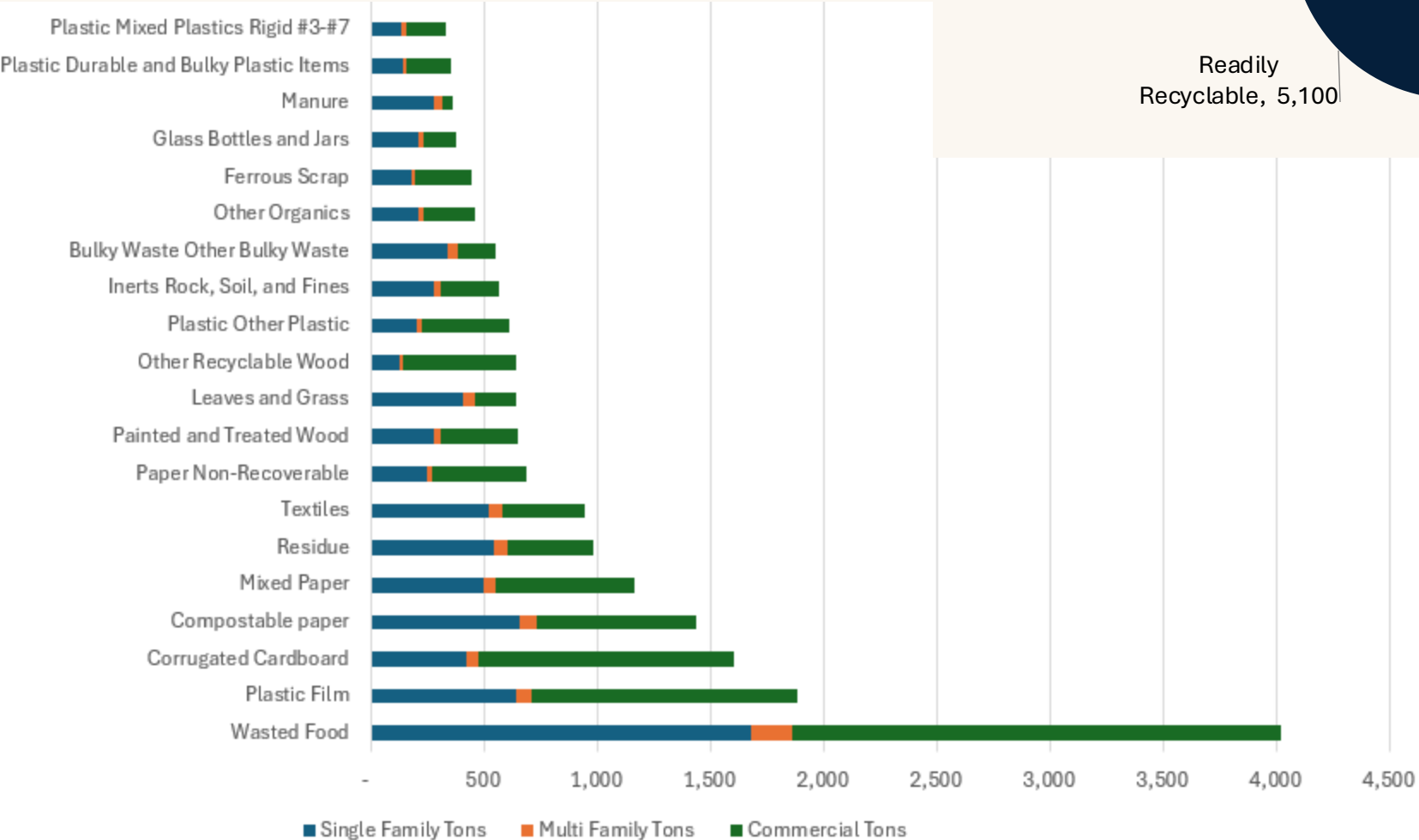
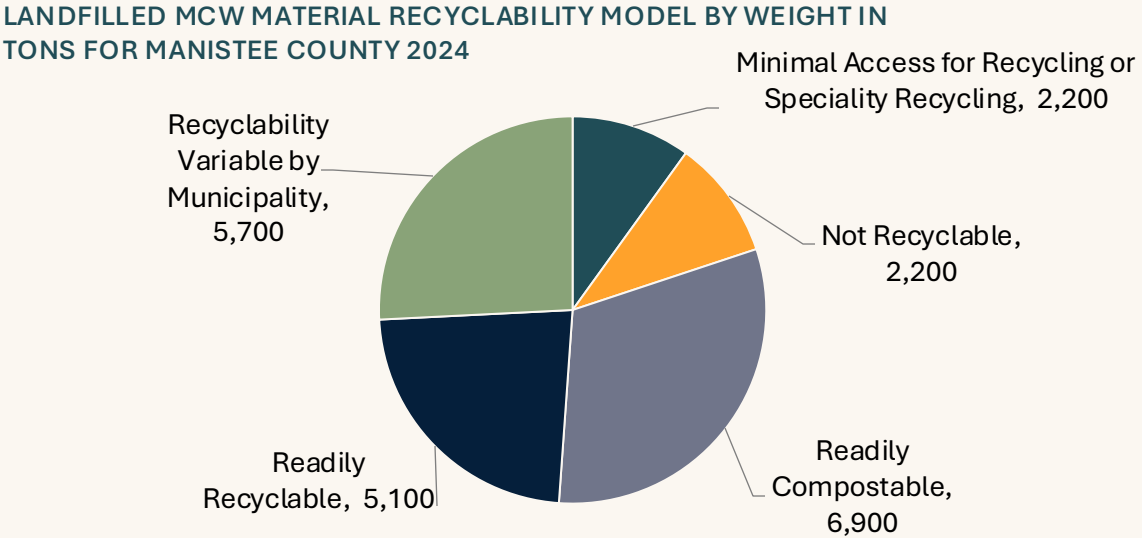
| Michigan Landfill Waste Generated by Manistee County by Type in Tons 2024 | Disposal Location |   |   |   |
|---|-------------------|---|---|---|
|   | Total Generated   | Manistee County Landfill (Manistee County) Harland’s Sanitary Landfill Inc / Republic | Wexford County Landfill (Wexford County) Wexford County Landfill LLC/ GFL | Glens Sanitary Landfill (Leelanau County) Glen’s Sanitary Landfill Inc / Waste Management |
| 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   |

| 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

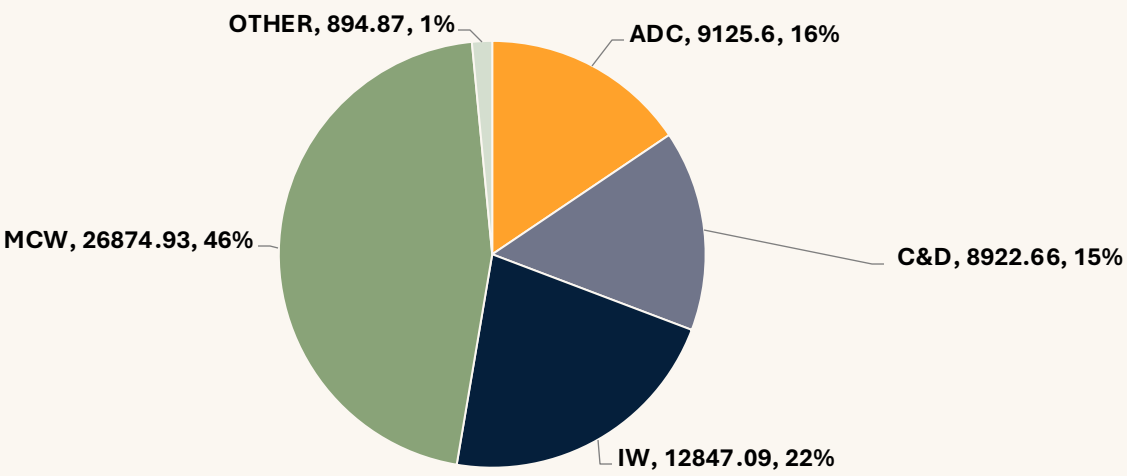


# 2 - RRS MCW Model | Manistee



# 1 - EGLE Annual Landfill Report | Wexford

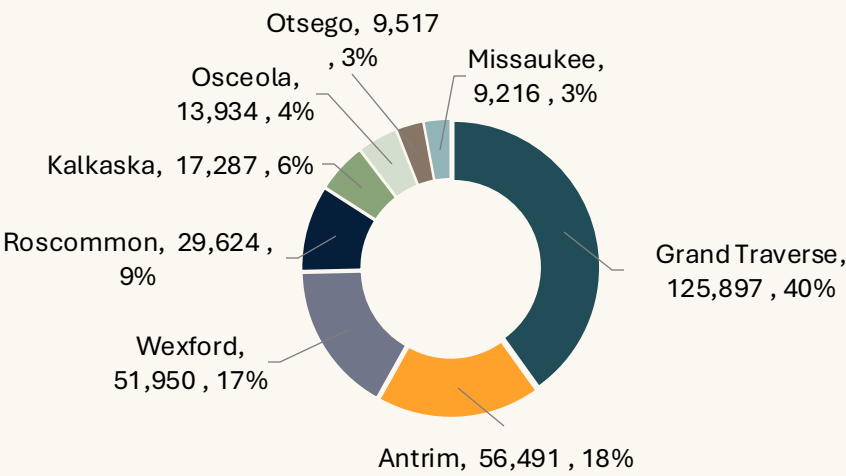
MICHIGAN LANDFILL WASTE GENERATED BY WEXFORD COUNTY BY TYPE IN TONS 2024



| Michigan Landfill Waste Generated by Wexford County by Type in Tons 2024 | Tons Generated | Disposal Location   |   |   |  |
|--|----------------|---|---|---|--|
|  |                | Wexford County Landfill (Wexford County) Wexford County Landfill LLC/ GFL | Manistee County Landfill (Manistee County) Harland’s Sanitary Landfill Inc / Republic | Northern Oaks Recycling and Disposal Facility (Clare County) Waste Management |  |
| 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   |  |

| 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  |

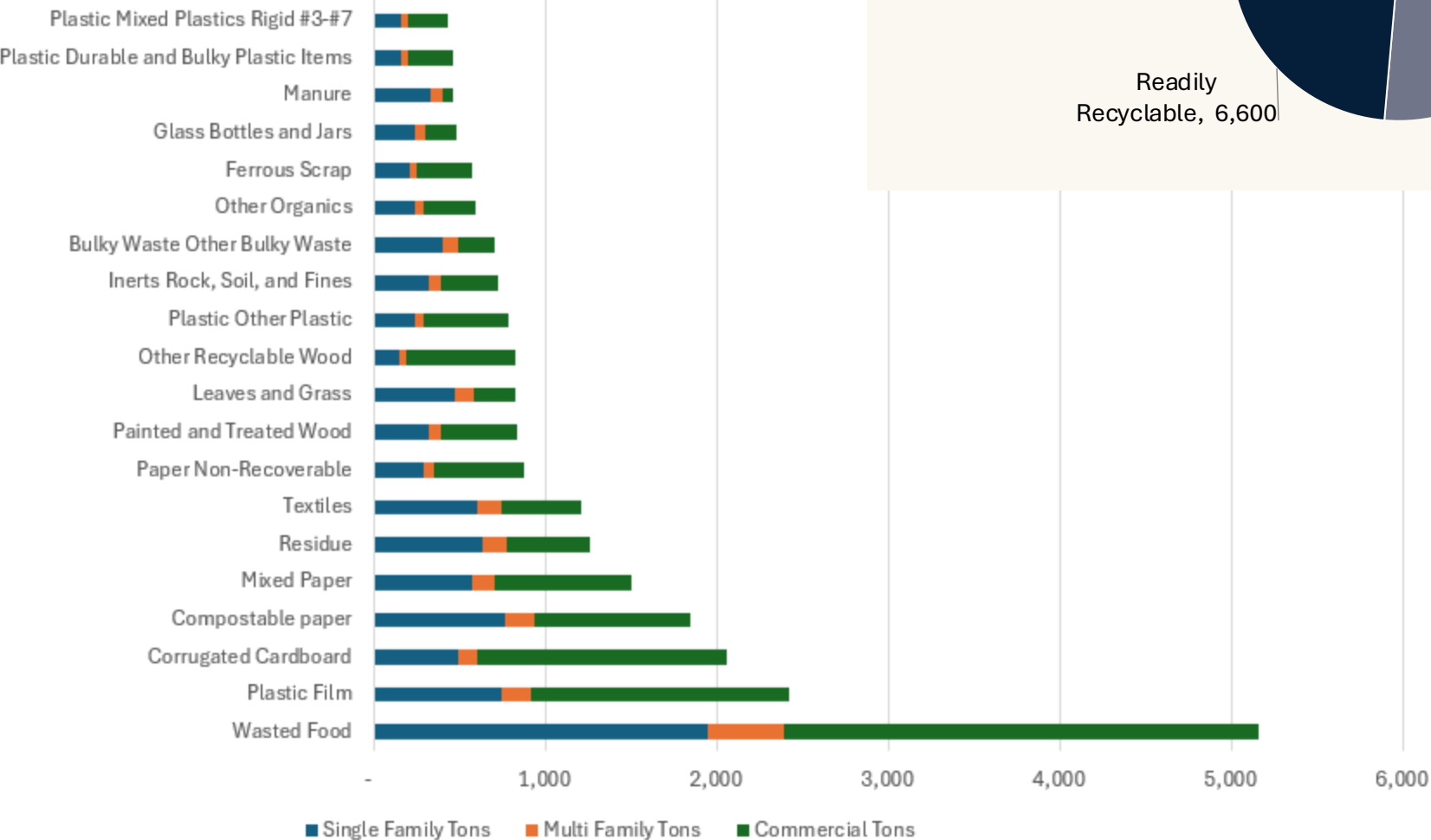
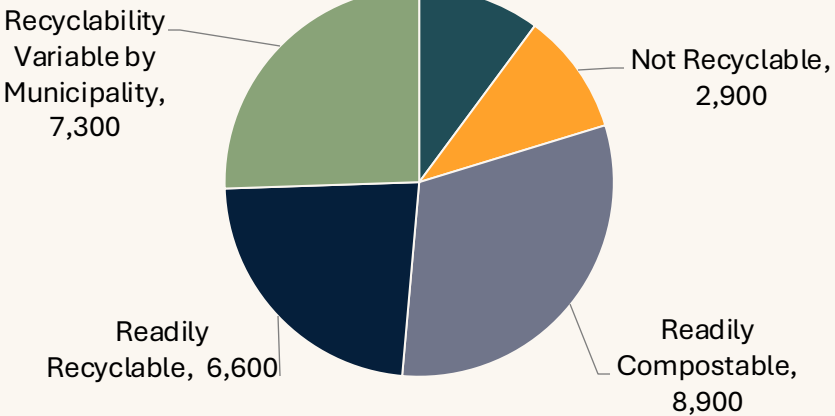
ORIGIN OF WASTE LANDFILLED IN WEXFORD COUNTY FY 2024 IN TONS



# 2 - RRS MCW Model | Wexford

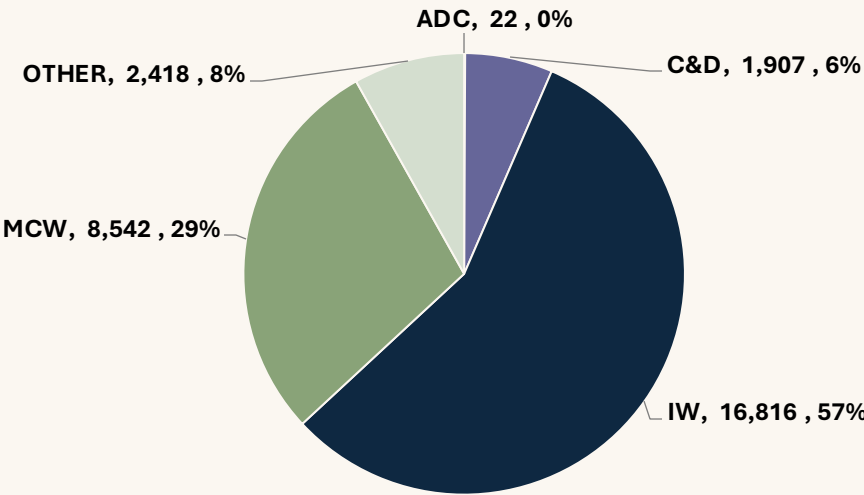
LANDFILLED MCW MATERIAL RECYCLABILITY MODEL BY WEIGHT IN TONS FOR WEXFORD COUNTY 2024

Minimal Access for Recycling or Speciality Recycling, 2,900



# 1 - EGLE Annual Landfill Report | Missaukee

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



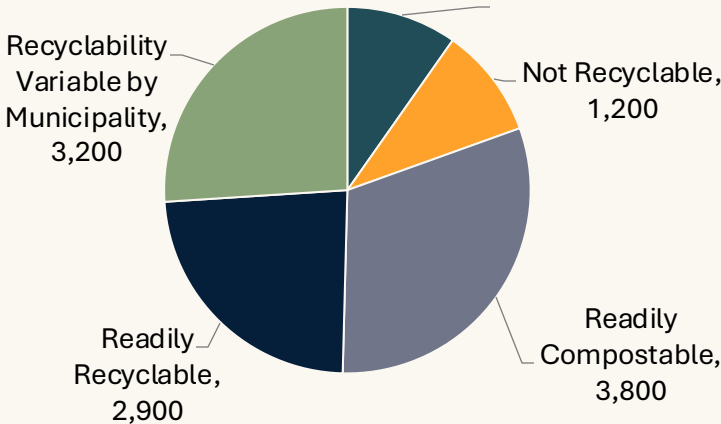
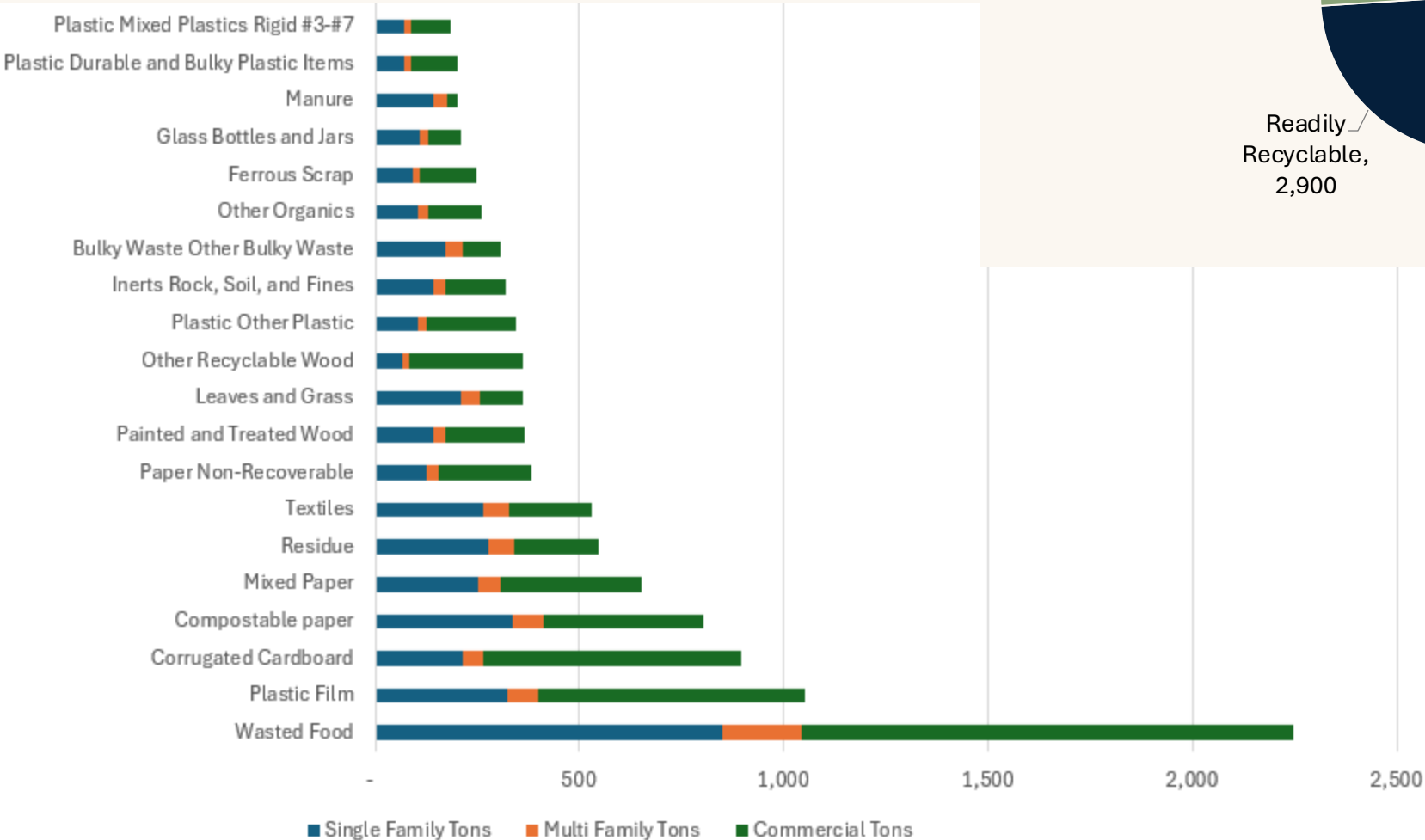
| Total Tons Landfilled in MI from Each County FY 2024 | Tons       |
|--|------------|
| Tons from Charlevoix                                 | 242,114.42 |
| Tons from Manistee                                   | 93,033.15  |
| Tons from Antrim                                     | 78,111.39  |
| Tons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

| 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

Minimal Access for Recycling or Speciality Recycling, 1,200



### 3 – Benchmark Recycling Standard Status & Potential Risk

| Benchmark Recycling Standard |   | Charlevoix                    | Manistee                        | Anttrim                  | 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,<br>~3,800              | Manistee<br>City, ~6,200        | Mancelona,<br>~4,300     | Cadillac,<br>~10,000    | Lake<br>Township,<br>~2,800            |
|                              | Second Largest City and Population  | Charlevoix<br>City,<br>~2,400 | Manistee<br>Township,<br>~4,000 | Elk Rapids,<br>~2,500    | Haring,<br>~3,500       | Richland,<br>~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<br>Locations       | 13 Drop-Off<br>Locations        | 11 Drop-off<br>Locations | 4 Drop-Off<br>Locations | 1 Drop-Off<br>Location.<br>~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%



## 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.