

Michigan Materials Management Planning Workgroup

Planning Tools & Resources

September 20, 2023

Please Introduce Yourself in the Chat:
Name – Title – Representation
(County/Region/Other)

HOUSEKEEPING

We will begin the meeting shortly:

- Please check to make sure your mic/phone is muted.
- Please make sure that your camera is off
- New Members & Guests: please introduce yourself in the chat: **Name – Title – Representation**
- The meeting is being recorded
- Only use the “chat” function for official questions or comments



AGENDA

- Important Updates
- Tools & Resources
- Upcoming Events
- Staff Resources

Please Introduce Yourself in the Chat:
Name – Title – Representation
(County/Region/Other)

IMPORTANT UPDATES

✓ Director to Initiate MMP Process: **SOON**

✓ Planning Quick Guide *NEW*

www.Michigan.gov/EGLEMMP

✓ Materials Management Plan Approval Process *NEW*

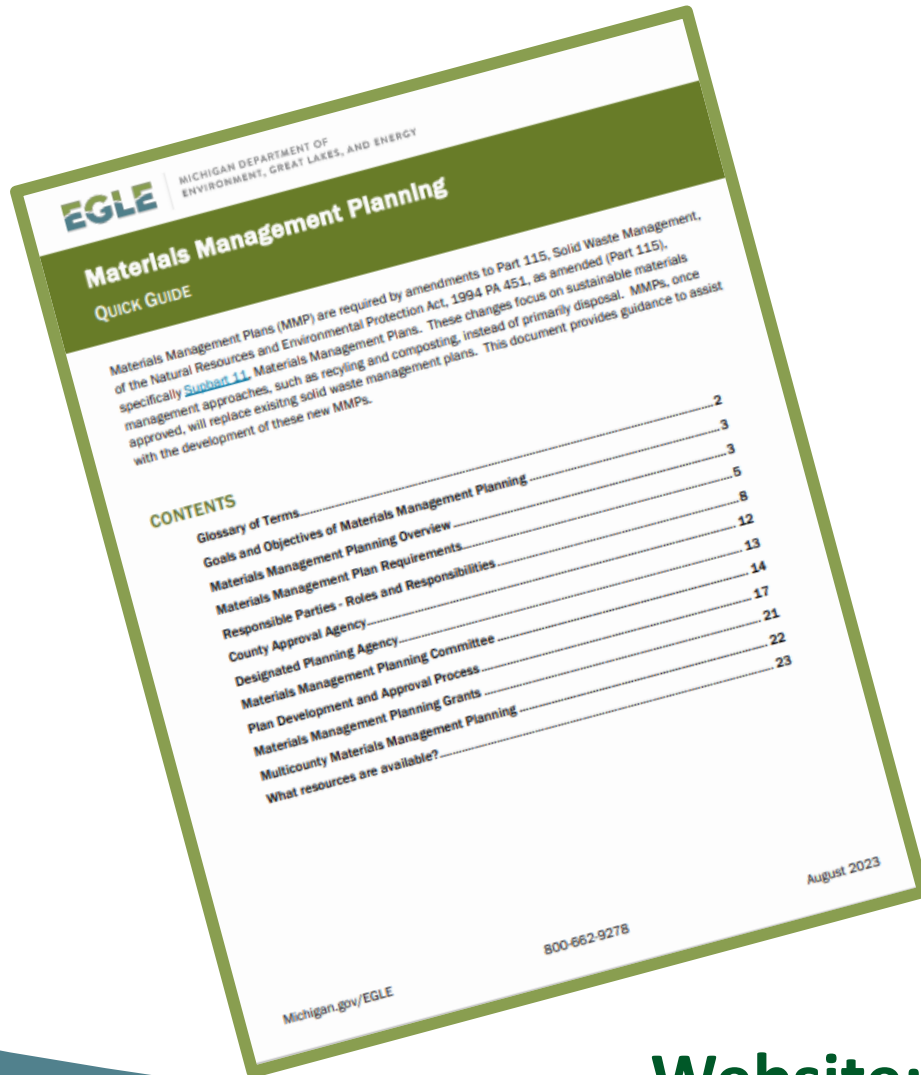
✓ Engagement Opportunities & Video Links

✓ MRC Regional Meetings – Michigan Recycling Coalition (michiganrecycles.org)

[Regional Recording](#)

[Regional Slides](#)

MMP Quick Guide



- Glossary
- Goals & Objectives of MMP
- MMP Overview
- MMP Requirements
- Responsible Parties & Responsibilities
- County Approval Agency (CAA)
- Designated Planning Agency (DPA)
- Materials Management Planning Committee
- Plan Development & Approval Process
- MMP Grants
- Multicounty MMP
- Resources Available

Website: Planning Quick Guide

MMP WEBPAGE



Mega Data: Data Collection Program



MMP Toolbox



Municipal Measurement Program



Michigan Materials Management Facilities Web Map

In addition to ensuring that waste disposal practices are protective of the public and environment, we promote a systematic approach to using/reusing resources productively and sustainably throughout their life cycles, from the point of resource extraction through material recycling or final disposal. Materials management includes managing recyclables, organics, tires, wood, concrete, and other materials traditionally considered trash and landfilled. This map shows the locations of these regulated facilities.

[Open Web Map](#)

[Access Data](#)

- Implementation
- Toolbox
- Info Sheets & Guidance
- Grant Information

Materials Management Planning Implementation

- [Q&A](#)
- [Subpart 11 of Part 115](#)
- [The transition from solid waste to materials management planning is coming soon!\(GovDelivery\)](#)
- [BOC Letter to prepare for NEW Materials Management Plans](#)

Info Sheets and Guidance

- [Planning Quick Guide](#) *NEW*
- [Plan Approval Process](#) *NEW*
- [Plan Requirements](#)
- [Multicounty Planning](#)
- [MMP Toolkit](#)

Recent Presentations

- [Michigan Association of Counties \(MAC\) Podcast 83 Special Episode - Materials Management Planning](#)
- [Upper Peninsula Materials Management Forum - Materials Management Planning WEBINAR](#)
- [MRC Presentation 2023: The Sun Rises on Materials Management Planning](#)
- [MRC Presentation 2023: Connecting the Dots](#)

Engagement Opportunities

Michigan Recycling Coalition: Regional Meetings

- [Michigan Recycling Coalition Regional Meetings](#)

[REGIONAL RECORDING](#)

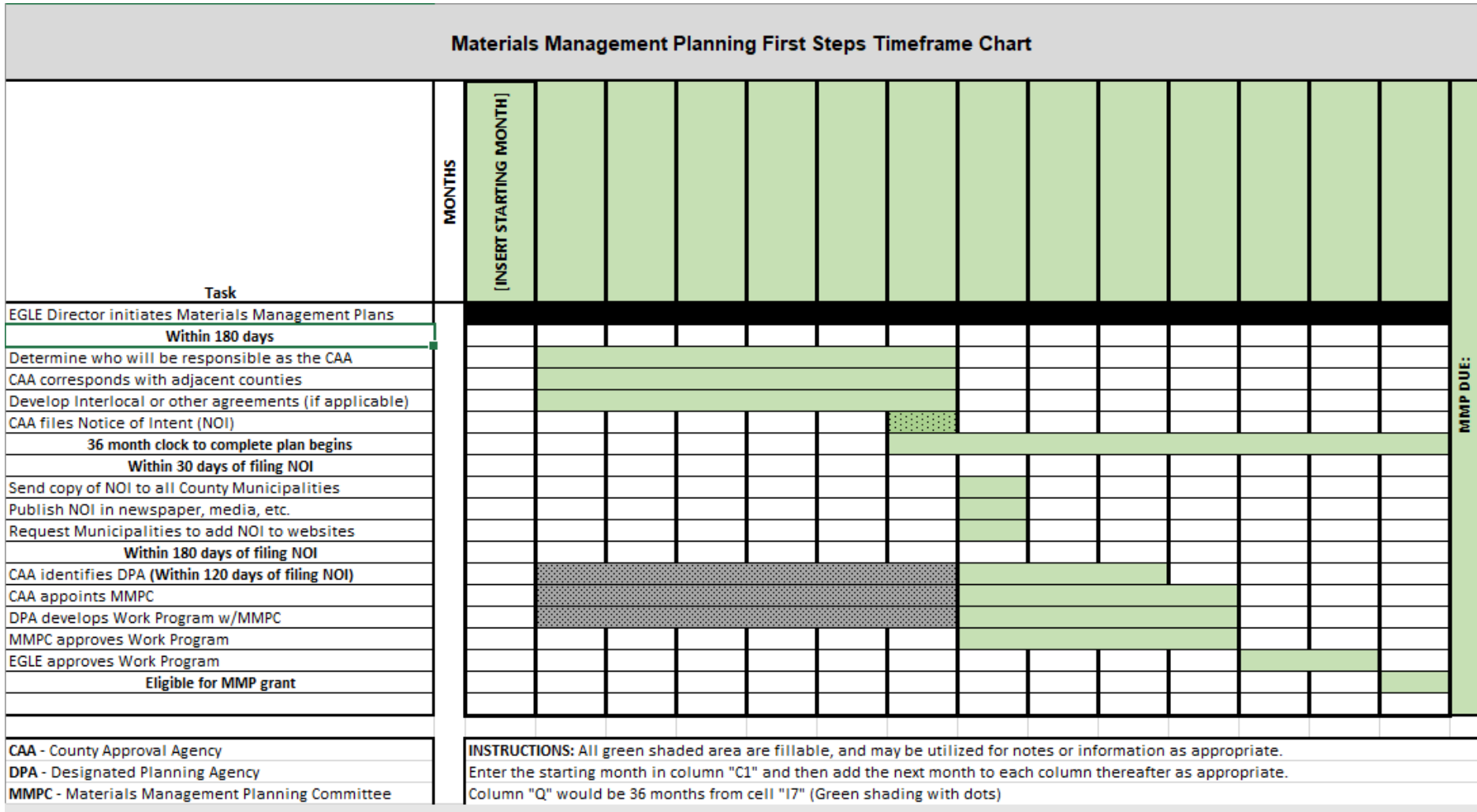
[REGIONAL SLIDES](#)

MRC Regional Meeting Schedule and Registration Links:

- [West Michigan \(9/7/23\)](#)
- [East Michigan \(TBD\)](#)

[Website: www.Michigan.gov/EGLEMMP](http://www.Michigan.gov/EGLEMMP)

TIMELINE GANTT CHART: FIRST STEPS



GENERATION TOOL

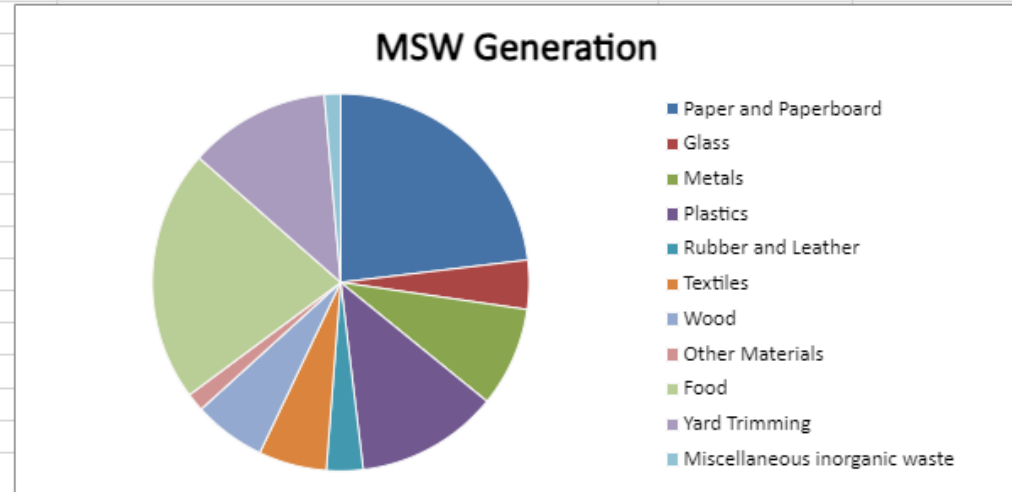
Projected MSW Generation Estimate Based on Population

This tool is intended to be used to estimate the amount of municipal solid waste generated by a county given the population and uses the average amount of trash produced by one person to estimate the amount of trash produced by an entire population.

Values to be input highlighted in orange.

County:				National Estimates
Population:	100.00		Total amount of MSW generated by one person per year	1,788.5000 lbs
Year:	2023		Amount of trash produced by one person per day	0.8943 tons
				4.9000 lbs
				0.0025 tons

Materials	Weight Generated (tons)
Paper and Paperboard	20.61
Glass	3.75
Metals	7.64
Plastics	10.91
Rubber and Leather	2.80
Textiles	5.21
Wood	5.54
Other Materials	1.40
Food	19.31
Yard Trimming	10.83
Miscellaneous inorganic waste	1.24
Calculated Total Municipal Solid Waste (tons)*	89.23
Projected Total Municipal Solid Waste (tons)*	89.43



*Projected Total MSW is the population multiplied by the amount of trash produced by one person per year while the Calculated Total MSW is the sum of the weights of the materials.

Reference:

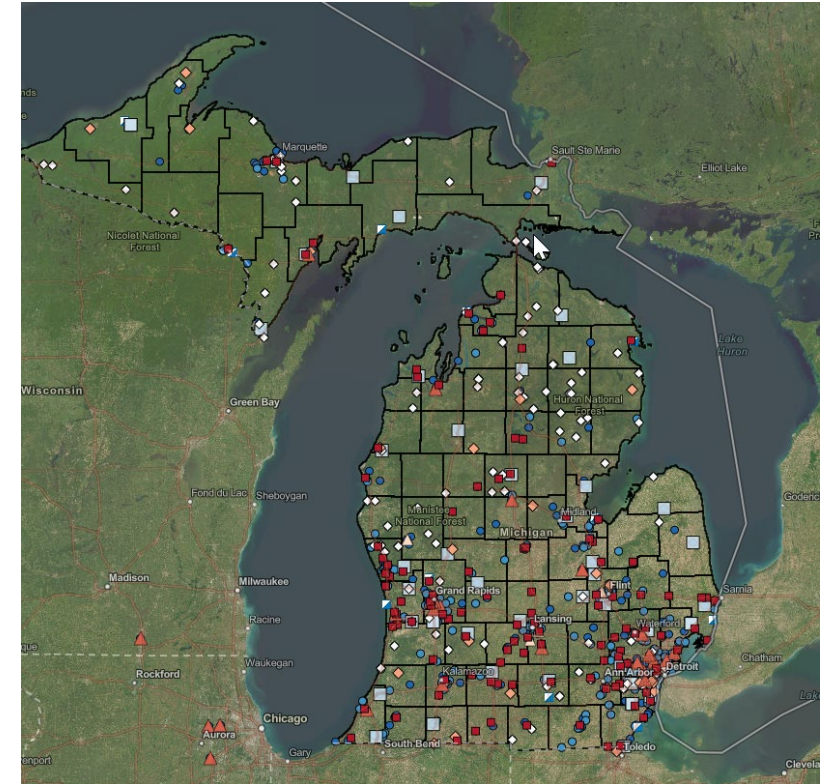
U.S. Environmental Protection Agency (EPA). National Overview: Facts and Figures on Materials, Wastes and Recycling (2018). Online, accessed 3/20/2023. Available at: <https://www.epa.gov/facts-and-figures-about-materials-waste-and-recycling/national-overview-facts-and-figures-materials#Generation>.

APPROVAL PROCESS TRACKER

Materials Management Plan Approval Process Date Tracker			
[ENTER PLANNING AREA COUNTY(IES)]			
ACTION ITEMS	DAYS TO COMPLETE THE STEP	DEADLINE/CALENDAR DATE DUE FOR NEXT STEP [Dates are calculated]	ENTER DATE STEP COMPLETED
Director Initiates Process [180 days to determine the CAA]	180	April 1, 2001	
CAA files NOI [36 month process starts]	180	September 28, 2001	
36 month process end date			
CAA must complete the following steps within 180 day after the filing of the NOI	180		
DPA Appointed			
MMPC Appointed			
DPA Draft Work Program			
MMPC Approves Work Program			
EGLE approves work program			
DRAFT MMP			
MMPC Approval for Public Comment			
Public Comment Period (60 Day Period)	60		
Public Notice Date			
Public Comment period START DATE			
Public comment period END DATE			
Public Hearing DATE [Note must publish a notice 30-days prior to hearing date (newspaper/electronic media)]			
After Hearing/Comment Period - DPA Revises per MMPC Direction (if applicable)	30		
MMPC Final Approval for CAA Approval	30		
CAA Approval	60		
If CAA disapproves 30 days with written objections to MMPC (optional)	30		
If CAA YES; to all municipalities for approval	10		
Municipal Approval [Municipalities are given 120 days to respond to the MMP. Only those that responded within this timeframe are counted for final approval]	120		
Municipal Approval (Formal Action) START DATE			
Municipal Approval (Formal Action) END DATE			
Submitted to EGLE for Final Approval	30		

MATERIALS MANAGEMENT FACILITIES GIS MAP

- Locations of Registered Facilities
 - Compost
 - Electronic Recyclers
 - Scrap Tire
 - Anaerobic Digesters
 - Processing and Transfer Stations
 - Landfills
 - Recycling Establishments



[Michigan Materials Management Facilities \(arcgis.com\)](http://arcgis.com)

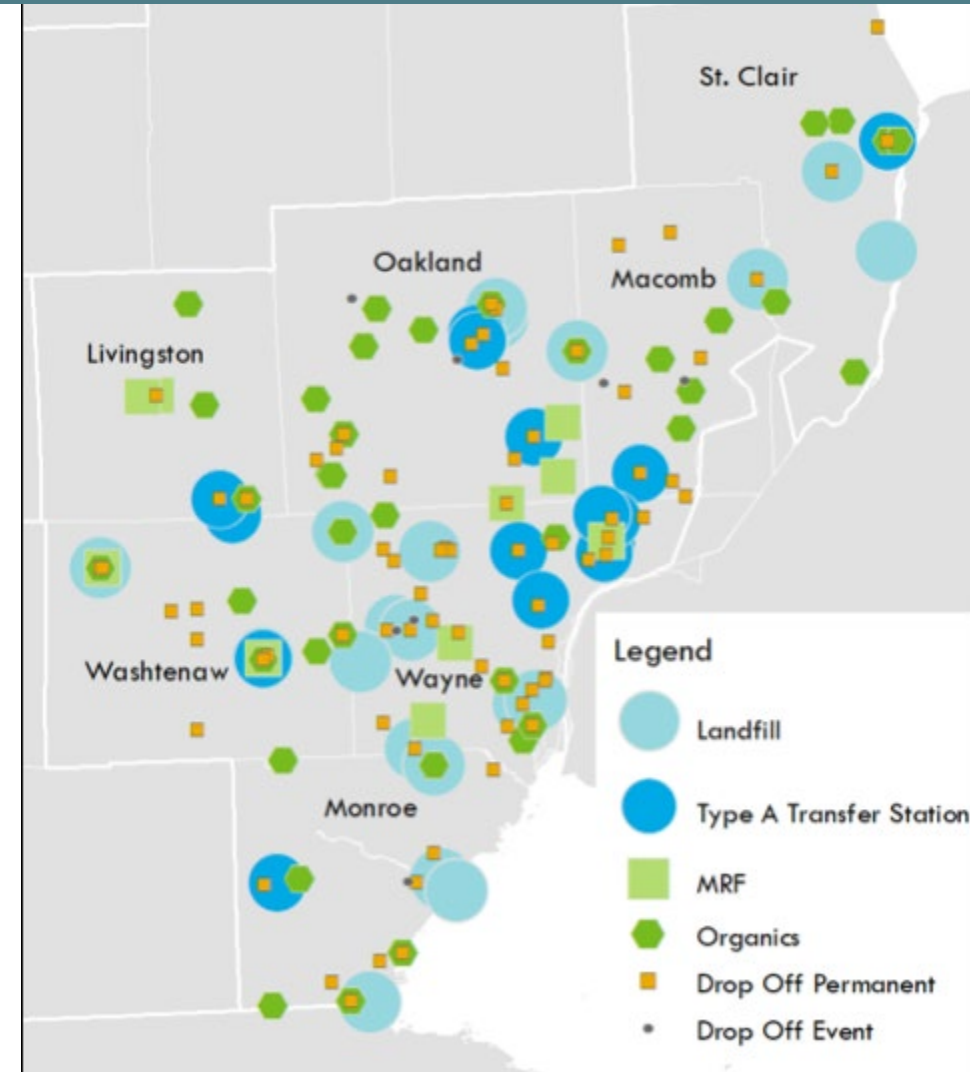
MEGA DATA

- Large Data Collection Project
- Contracted to Resource Recycling Systems (RRS)
- Document and inventory the current materials management infrastructure in Michigan

“...provide a baseline of data for counties to develop future materials management plans which will provide a roadmap for materials management moving forward.”

MEGA DATA

- What will be available to counties:
 - [Final Report \(Summary\)](#)
 - [County Profiles](#)
 - Facility Lists and Maps (example provided)
 - Location and Service Connection by Facility



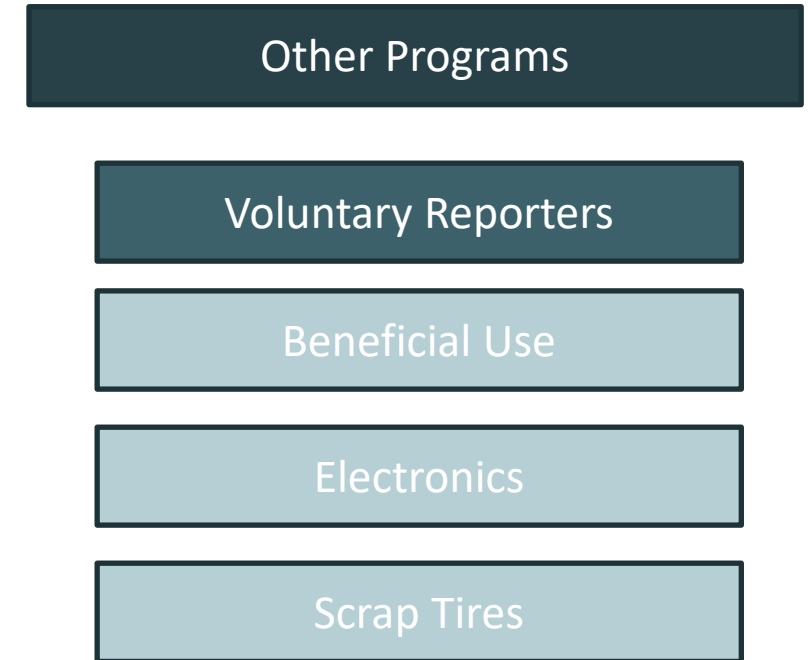
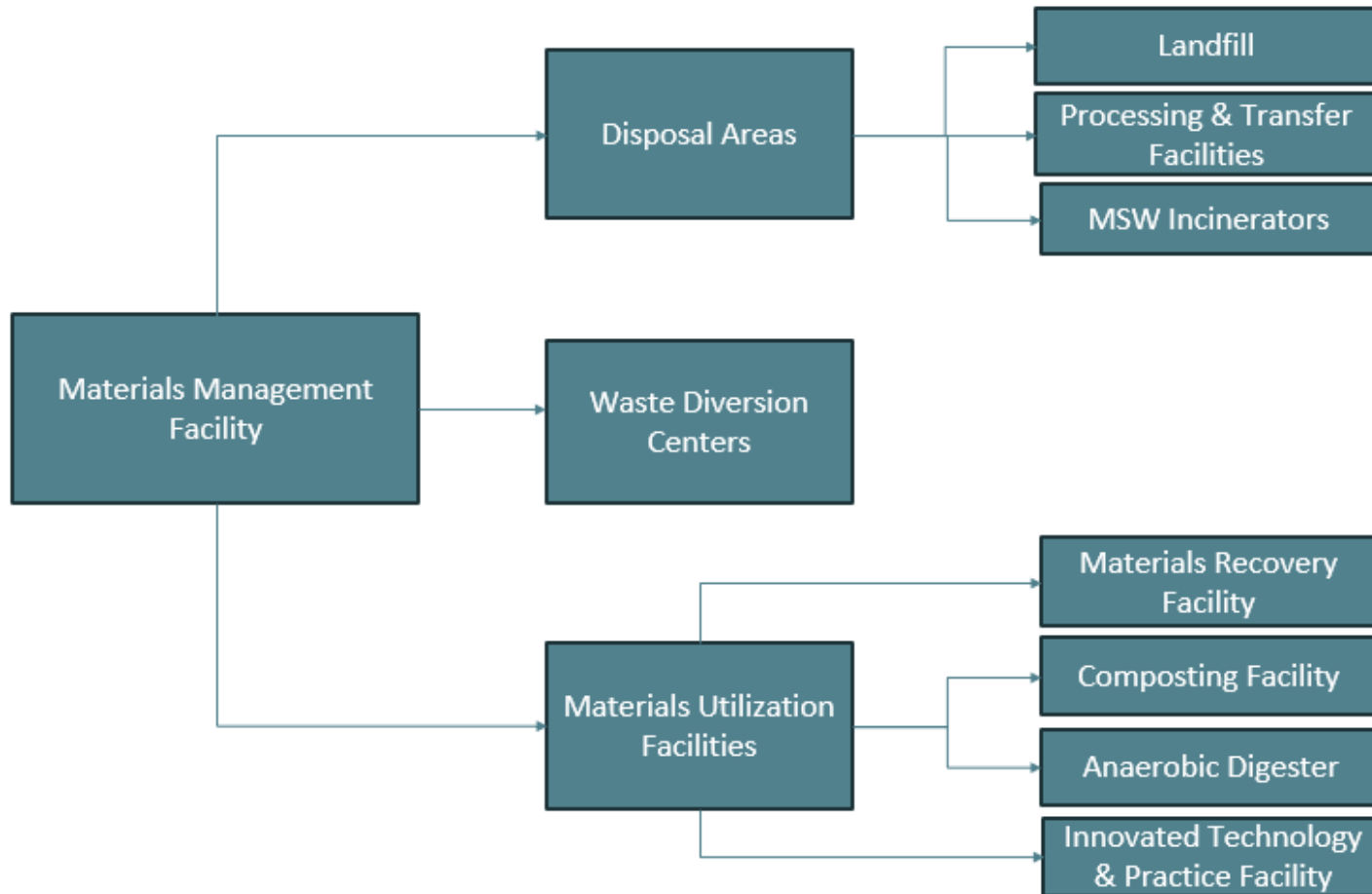
AUTHORIZATION PROGRAMS

- Facilities create accounts and report online

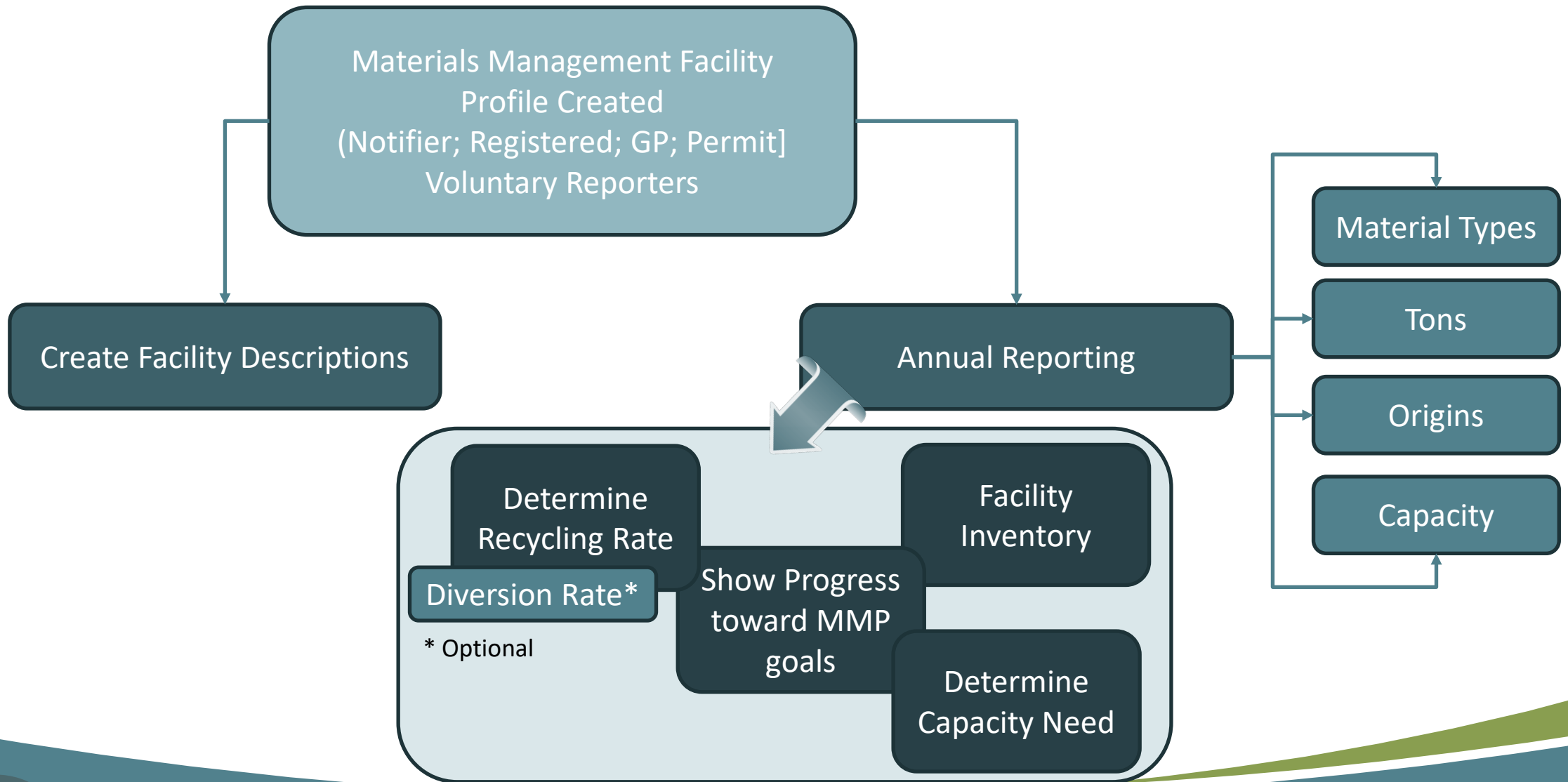
Beneficial Use	Solid Waste
Diverted Materials	Source Separated and Recyclable Materials
Electronics	Scrap Tire
Organics	Voluntary Reporting

Visit Michigan.gov/EGLEM3 and click Re-TRAC Authorizations Program for updated information.

FACILITY AUTHORIZATION PROGRAM



FACILITY AUTHORIZATION PROGRAM



EGLE RECYCLING PROGRAM

Increase **Access** to
& **Participation** in
Recycling & Organics
Opportunities

Inform Residents &
Businesses on the
Rules of Recycling

Take an **Equitable &
Inclusive** approach to
Expanding Recycling in
Diverse Communities.

Train the Recycling
Professionals

Improve the **Quality** of
Recycled Materials

Grow **Markets** for
Recycled Materials

Expand **Infrastructure**
to Grow Recycling
Processing Capacity

Form **Partnerships** to
Finance Recycling
Activities

Use Recycling as a
Climate Solution to
Decarbonization

TOOLS TO SUPPORT COMMUNITY, BUSINESS, PROGRAMS

- Education/Outreach
- Quality/Quality Improvement
- Access
- Technical Assistance
- Infrastructure
- End Markets



KNOW IT BEFORE YOU THROW IT

- Statewide Recycling **Education** Campaign
- **Rules of Recycling** - How, Where, Why, & What to Recycle
- “National Campaign of the Year” – Waste Dive Magazine
- Build on existing EGLE partnerships
- Community Toolkit – Cobrand Recycling Raccoon assets with your community logos
- <https://RecyclingRaccoons.org>



MICHIGAN SMALL COMMUNITY EDUCATION GRANT

- Funded by EGLE, managed by The Recycling Partnership
- Goal: Educate households on What, How, and Where to Recycle
- Eligibility:
 - NPOs, tribal government, regional planning agency, city, village, township, charter township, county, municipal solid waste authority, or a resource recovery authority;
 - Michigan communities with fewer than 10,000 households; **AND**
 - Existing curbside **and/or** drop-off recycling program

RECYCLING RACCOONS COMMUNITY TOOLKIT

READY TO BECOME AN HONORARY SQUAD MEMBER?

Help us spread the word and help Michiganders become better recyclers. These communication assets have been developed for you to share with your local communities.

REGISTER FOR THE TOOLKIT

Already registered? [Enter here](#), or learn more below.



recyclingraccoons.org/resources/community-toolkit/

RECYCLING QUALITY IMPROVEMENT (RQI)

- Funded by EGLE, managed by The Recycling Partnership
- Communitywide projects to reduce recycling contamination & improve material quality from curbside, drop-off, or multifamily recycling programs.
- Eligibility: All Michigan community recycling programs



Drop-off Recycling Contamination Reduction Kit

.....
6 Steps to Replicate The Recycling Partnership's
Drop-off Anti-Contamination Program.

recyclingpartnership.org/dropoff/

ACCESS

- Increase Access to & Participation in Recycling & Organics Programs
- Goal: Equitable
- Idea: Universal
- Benchmark Recycling Standards: Set Baseline Level of Recycling Service according to Population Density

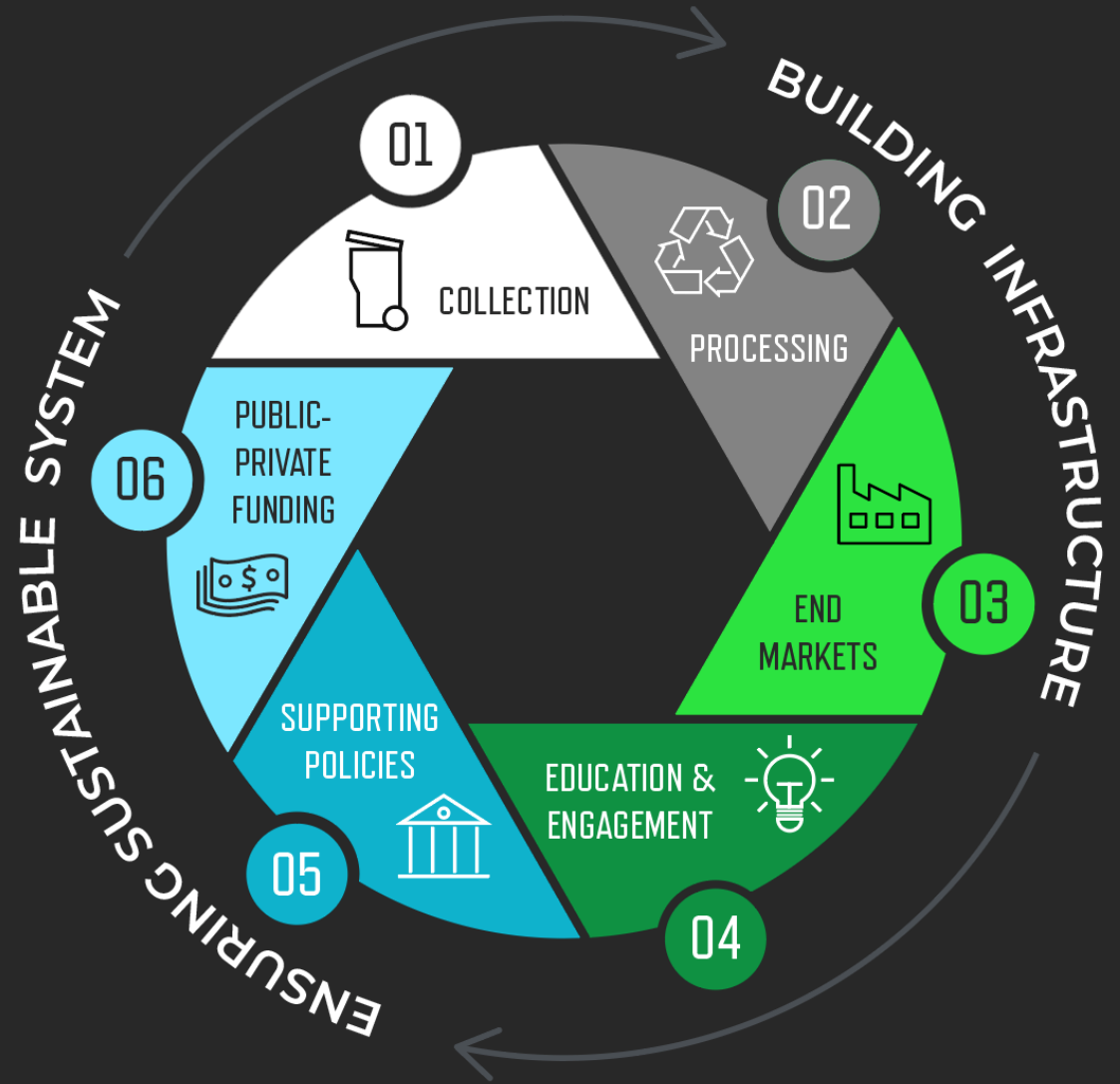


TECHNICAL ASSISTANCE

- Program/Project Implementation, Expansion Knowledge and Support
- Program Best Practices – Curbside & Drop-Off Sites
- Funding Mechanisms
- Material Quality/Contamination Reduction
- Reaching Your Target Audience
- Conduct Presentations and Outreach to Local Officials
- Much more Tell Us What ***YOU*** Need Help With



BEST PRACTICES FOR IMPLEMENTING RECYCLING



RECYCLING INFRASTRUCTURE GRANT

Expansion Grant (Expansion Metrics)

- Infrastructure Items ("things")
- How is your program going to expand?
- What is your program doing now to what is it doing next?
- Metrics = Change/Expansion/Growth
 - Increase tons diverted
 - New sectors (residential, commercial)
 - New materials collected

This is a funding source, not a funding mechanism.

MARKET DEVELOPMENT GRANT

- Eligible entities: For-Profit Businesses, Non-Profit Businesses, Institutions, and Communities
- Funding for market analysis, marketing, research, product development, project implementation
- Primary purpose is to grow end-use markets for new products and uses

This is a funding source, not a funding mechanism.



FUNDING SUPPORT Defined in PART 115

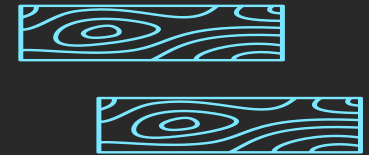
- **Local Recycling Innovation Program** (*Recycling Infrastructure Grants*)
 - Not tied to MMP
- **Recycling Markets Program** (*Market Development Grants*)
 - Not tied to MMP
- **Recycling Access & Voluntary Participation** (*Not Yet Started*)
 - MMP approval needed
 - Progress needed

END MARKETS

Building end
market demand
is key to
reaching **45%**
recovery.

FEEDSTOCK

NEW PRODUCT



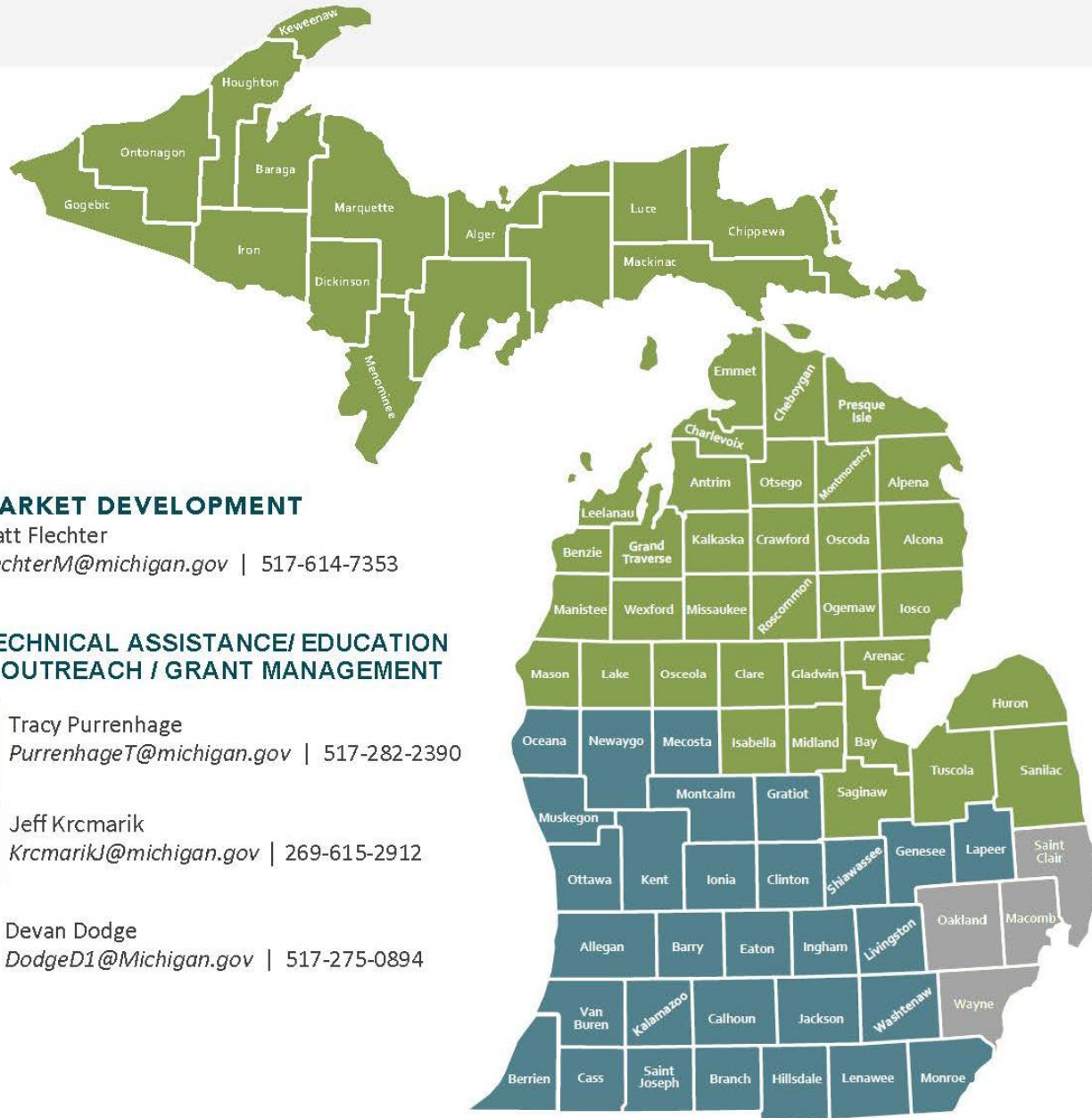
RESOURCES ON EGLE WEBSITE

- Recycling 101
- Why Does Recycling Cost Money?
- Why Recycling Matters for Your Community
- Guide: Operational and Funding Options for Municipal Recycling
- Guide: Use of Special Assessments to Fund Recycling Services
- Guide to Starting an Office Recycling Program
- Guide to Starting a School Recycling Program



Available at www.michigan.gov/mirecycles

EGLE RECYCLING PROGRAM



MARKET DEVELOPMENT

Matt Flechter
FlechterM@michigan.gov | 517-614-7353

TECHNICAL ASSISTANCE/ EDUCATION & OUTREACH / GRANT MANAGEMENT

Tracy Purrenhage
PurrenhageT@michigan.gov | 517-282-2390

Jeff Krcmarik
KrcmarikJ@michigan.gov | 269-615-2912

Devan Dodge
DodgeD1@Michigan.gov | 517-275-0894



Arthur Taylor

Department Analyst

Questions about existing grants, reimbursements, amendments

TaylorA45@Michigan.gov

586-980-5258



NEXT TIME



MMP Workgroup

Topic Area: Notice of Intent & Next Steps

Date/Time: 10/18: 1:30PM – 3:00PM

Open to the Public

Link to Join: [Meeting Link to Join](#)

OTHER UPCOMING EVENTS

- **MRC Regional Meetings – Michigan Recycling Coalition (michiganrecycles.org)**
- **Mid-Michigan Recycling Meeting 9/21/23 [Mid MI Meeting Registration LINK](#)**
- **Southwest Michigan Recycling Meeting 9/27/23 [SW MI Registration Meeting LINK](#)**
- **Southeast Michigan Recycling Meeting 9/28/23 [SE MI Meeting Link](#)**
- **Bay Thumb Michigan Recycling Meeting 10/12 [Bay MI Meeting Registration LINK](#)**
- **Northern Lower Peninsula Michigan Recycling Meeting 10/19 [NLP Meeting Registr](#)**
- **Upper Peninsula Michigan Recycling Meeting 10/20 [UP Meeting Registration LINK](#)**
- **East Michigan Recycling Meeting 10/30 [East MI Meeting Registration LINK](#)**



OTHER UPCOMING EVENTS



- **Catalyst Community – Webinars**

- **October 5, 11:00 AM - 12:00 PM**

Understanding and Preparing for Changes to Part 115: Materials Management Planning

In March 2023, amendments to Part 115 of Michigan’s Solid Waste Law went into effect. These amendments have provided a broader approach to handling end-of-life materials including a new Materials Management Plan (Plan). This webinar will describe how the Plan will consider management of solid waste, recyclables, organics, and other related activities. Learn about new requirements, timelines, resources, and technical assistance opportunities that pertain to the Part 115 updates.

- **November 14, 11:00 AM - 12:00 PM**

Tools and Resources to Help Communities Navigate Materials Management

With amendments to Part 115 of Michigan’s Solid Waste Law going into effect earlier this year, now is a great time to learn what tools and resources EGLE offers to communities to assist them with their materials management programs. In this webinar, recycling specialists from EGLE will explain how they are helping Michigan communities navigate the complexities of these program changes. They will also elaborate on available technical assistance and educational services, as well as highlight grant opportunities communities can apply to for help funding successful materials management programs.

OTHER UPCOMING EVENTS

Michigan Association of Counties Annual Conference

October 1st – 3rd

Materials Management Planning Session

October 2nd (2PM – 3PM)

[Conference Information](#)



Facility Part 115 Materials Management U.P. Regional Outreach

October 12th – (1:00PM – 4:30PM)

Location: Marquette County

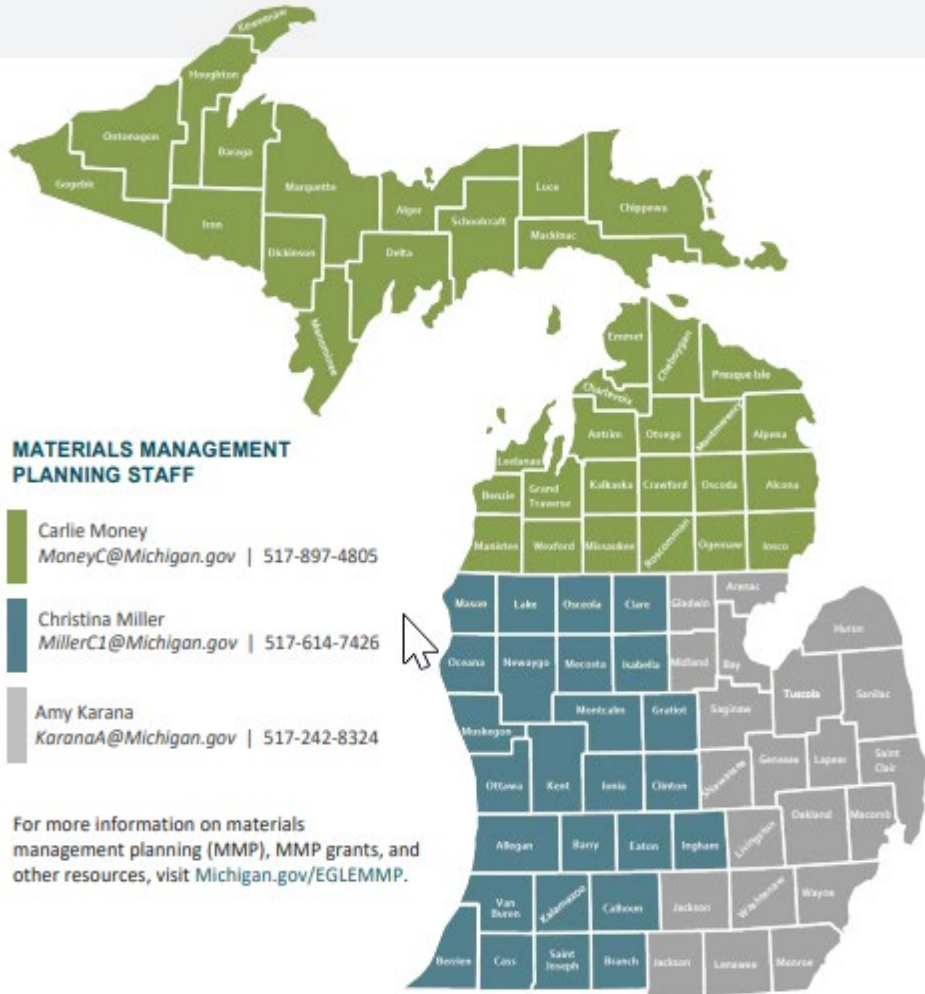
Facilities Only: Reach out to Carolyn St Cyr for more info: stcycr1@michigan.gov

WHERE TO FIND MORE INFORMATION?

- MMP Workgroup Meeting: 3rd Wednesdays (1:30 – 3:00)
- Planning Website: www.Michigan.gov/EGLEMMP
- Q & A Online: [Part 115 MMP Q&A](#)
- Guidance materials & Informational Sheets
- GovDelivery (Listservs)
 - [Materials Management News and Info](#)
 - [Materials Management Planning](#)
- Where to send questions: EGLE-MMP@michigan.gov



MATERIALS MANAGEMENT PLANNING PROGRAM



MATERIALS MANAGEMENT PLANNING STAFF

Carlie Money
MoneyC@Michigan.gov | 517-897-4805

Christina Miller
MillerC1@Michigan.gov | 517-614-7426

Amy Karana
KaranaA@Michigan.gov | 517-242-8324

For more information on materials management planning (MMP), MMP grants, and other resources, visit Michigan.gov/EGLEMMP.

Michigan Department of Environment, Great Lakes, and Energy | 800-662-9278 | Michigan.gov/EGLE

EGLE does not discriminate on the basis of race, sex, religion, age, national origin, color, marital status, disability, political beliefs, height, weight, genetic information, or sexual orientation in the administration of any of its programs or activities, and prohibits intimidation and retaliation, as required by applicable laws and regulations.

To request this material in an alternate format, contact EGLE-Accessibility@Michigan.gov or 800-662-9278.

Rev. 08/2023



Christina Miller
Materials Management Planning Specialist
EGLE



Amy Karana
Materials Management Analyst
EGLE



Carlie Money
Materials Management Analyst
EGLE

[Website: Planning Staff Program Map](#)



EGLE STAFF RESOURCES

- Planning Team



Christina Miller
MillerC1@michigan.gov
517-614-7426



Amy Karana
KaranaA@Michigan.gov
517-242-8324



Carlie Money
MoneyC@Michigan.gov
517-897-4805

- Recycling Specialists



Tracy Purrenhage
PurrenhageT@michigan.gov
517-282-2390



Devan Dodge
DodgeD1@michigan.gov
517-275-0894



Jeff Krcmarik
KrcmarikJ@michigan.gov
269-615-2912

