

Materials Management Planning

Michigan Recycling Coalition
Regional Meetings

WHAT: DEFINITIONS TO KNOW

- **MMP:** Materials Management Plan
- **Planning Area:** County/counties preparing an MMP together
- **CAA:** County Approval Agency
 - Primary Responsible party for the MMP
- **DPA:** Designated Planning Agency
 - Governmental unit or regional planning agency that is determined by the CAA
 - Administers & prepares the MMP through the direction of the MMPC
- **MMPC:** Materials Management Planning Committee



WHAT: YOU NEED TO KNOW

- New law is now in effect
 - Sets overall goals to develop better materials management systems to manage our materials
- Requires all counties to have an MMP
- Local governments play a role in development & approval
- EGLE call for plans this fall
- Funding is included
- Regional incentives
- Counties will have 6 months to
 - Identify CAA & complete tasks
 - Regional Outreach
 - Submit NOI

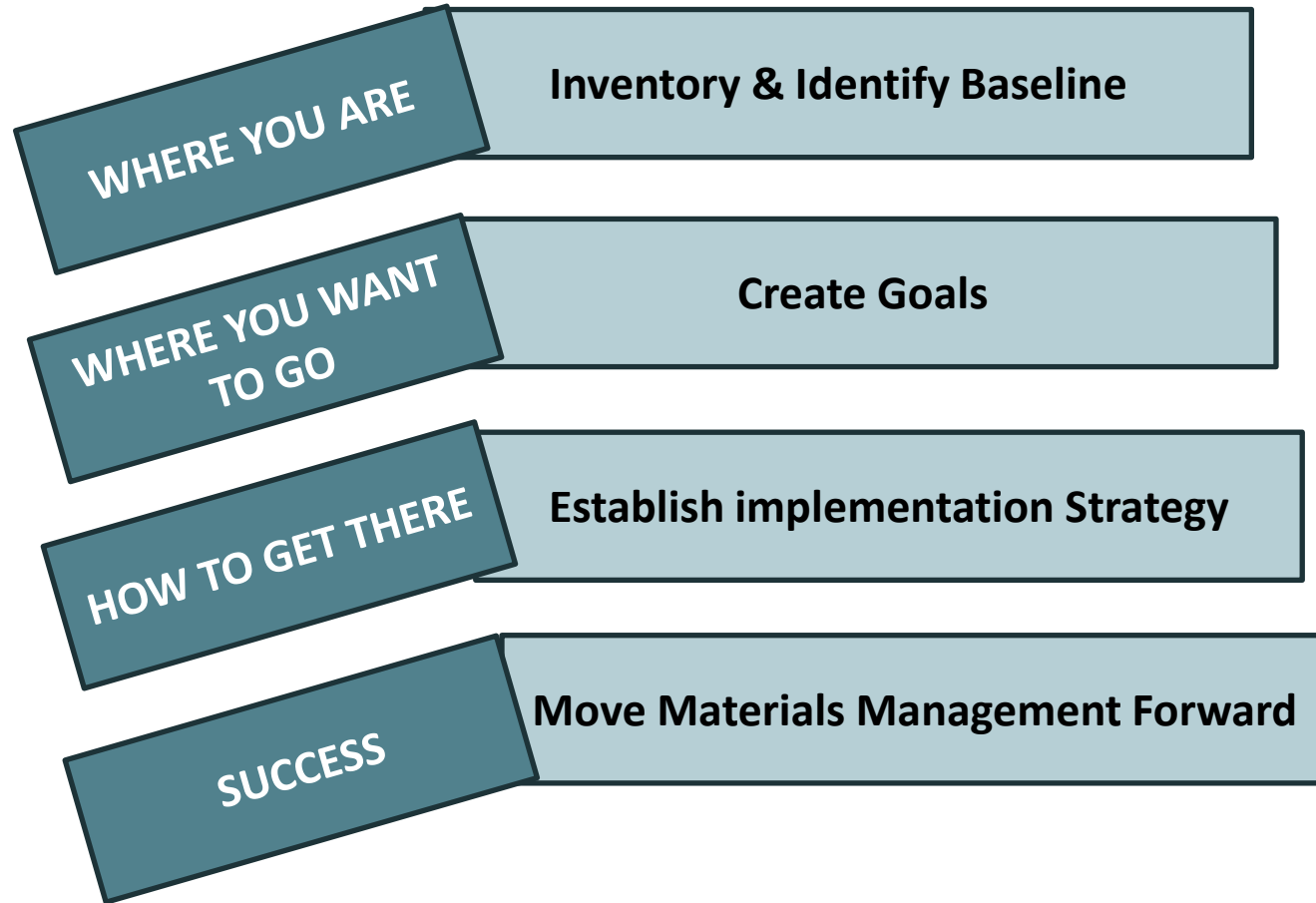


WHAT: YOU NEED TO KNOW CONTINUED

- Focus has shifted towards materials management
- Help to set/achieve priorities & the vision for each Planning Area
- Create needed infrastructure & programs for utilization
- Move Michigan forward toward overall goals
- Bring back the personnel resources statewide



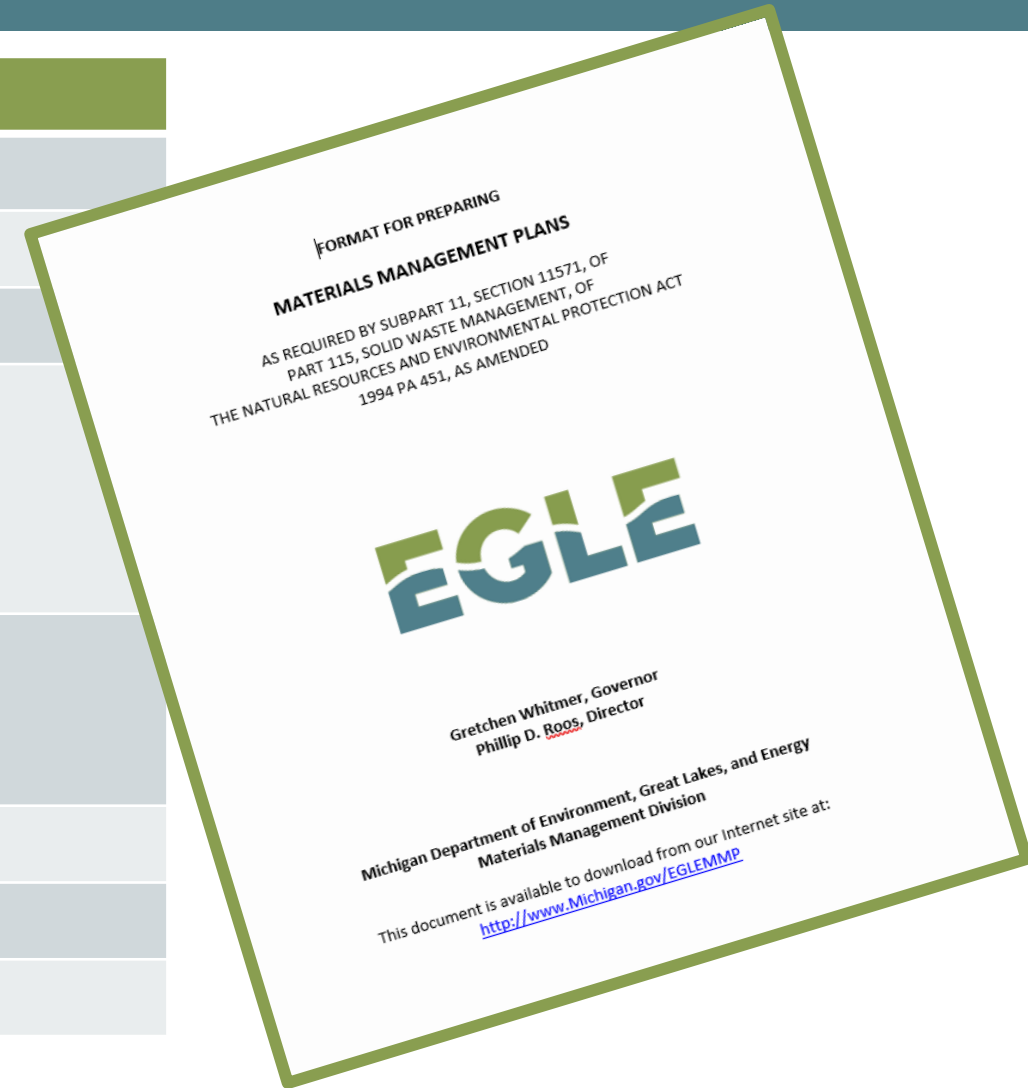
WHAT: MMP OVERVIEW



WHAT: MMP COMPONENTS

MATERIALS MANAGEMENT PLAN

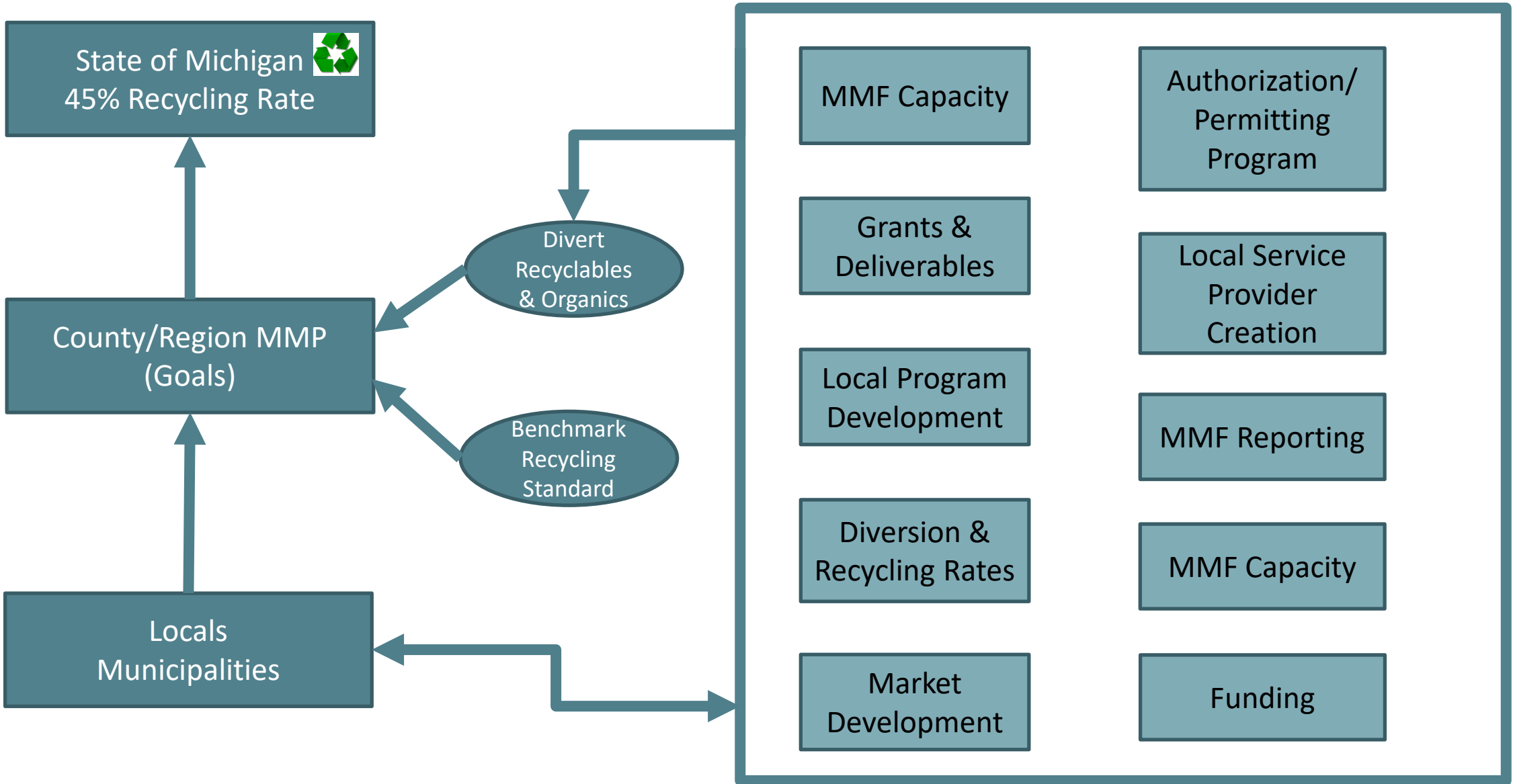
- ✓ Demographics
- ✓ Database
- ✓ Materials Management Goals and Objectives
 - ✓ Diversion of Organics & Recyclables from Disposal
 - ✓ Benchmark Recycling Standards
 - ✓ MSW Recycling Rate
 - ✓ Implementation Strategy
- ✓ Materials Management Infrastructure & Systems
 - ✓ Inventory of all facilities & Capacity
 - ✓ Transportation Infrastructure
- ✓ Management Components & Responsible Parties
- ✓ Siting Mechanism: Development of needed facilities
- ✓ Materials Utilization Education & Outreach Programs



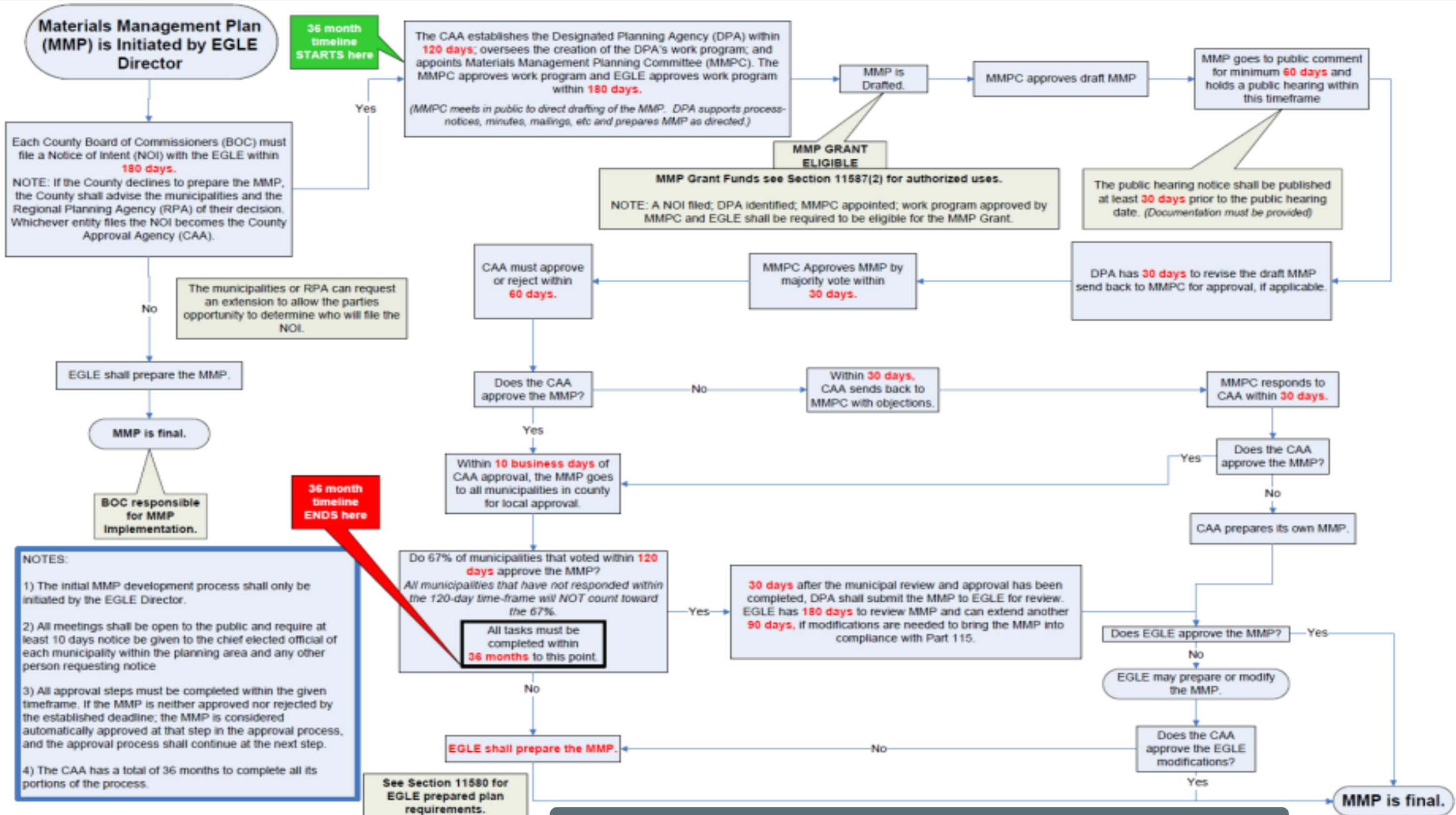
WHAT: MMP OVERVIEW

- Plan Template
 - “Easy” review a section and complete
 - Structured to facilitate **discussion** with stakeholders to **set priorities & develop an implementation plan** for the planning area to achieve its goals
 - The Plan itself is the **outcome** of those stakeholder discussions
 - Not the end-goal but will help to **facilitate future** materials management **systems**
 - The Plan helps you achieve **YOUR** goals
- Template will allow for separation (siting/mechanisms)
 - Counties/Municipalities
 - Identify Mechanisms but not required to be uniform in their application

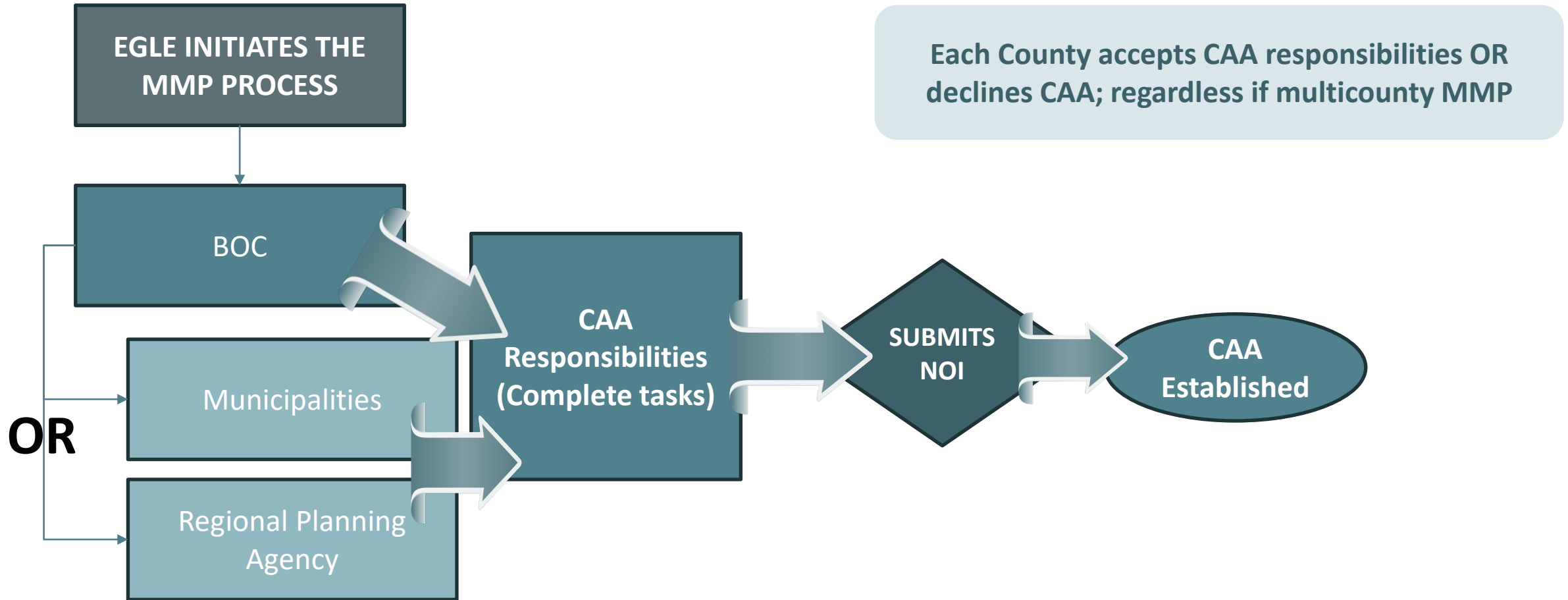




MATERIALS MANAGEMENT PLAN DEVELOPMENT AND APPROVAL

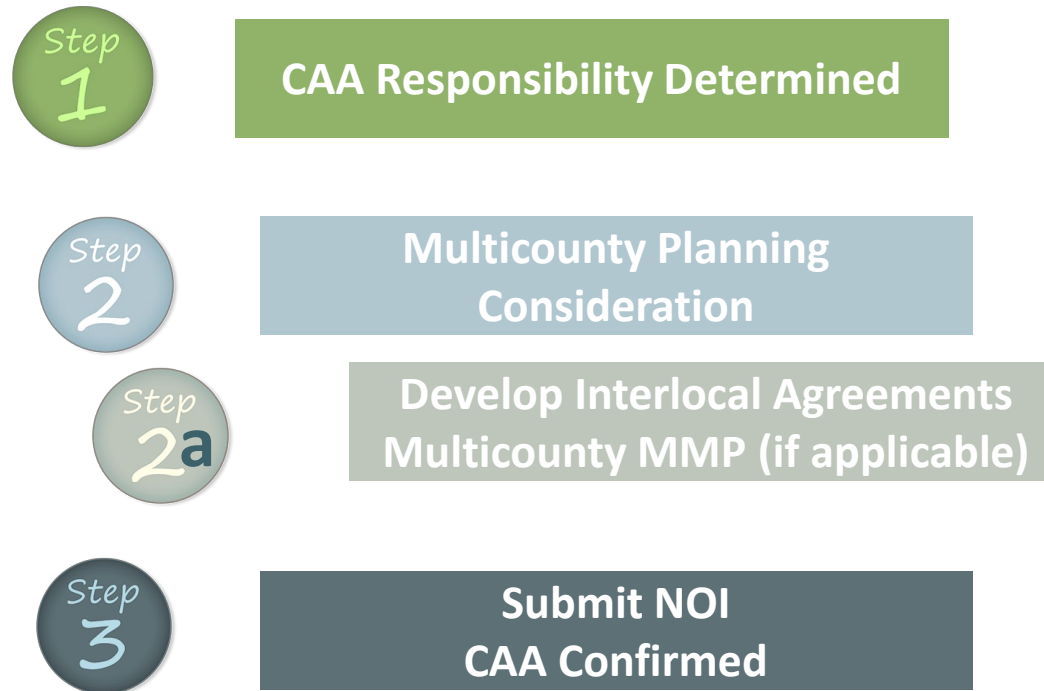


HOW: MMP - INITIAL PROCESS OVERVIEW



HOW: MMP INITIATION CAA

OUTLINE OF STEPS: EGLE DIRECTOR INITIATES THE MMP PROCESS (THE COUNTY HAS 180 DAYS TO FILE THE NOI)

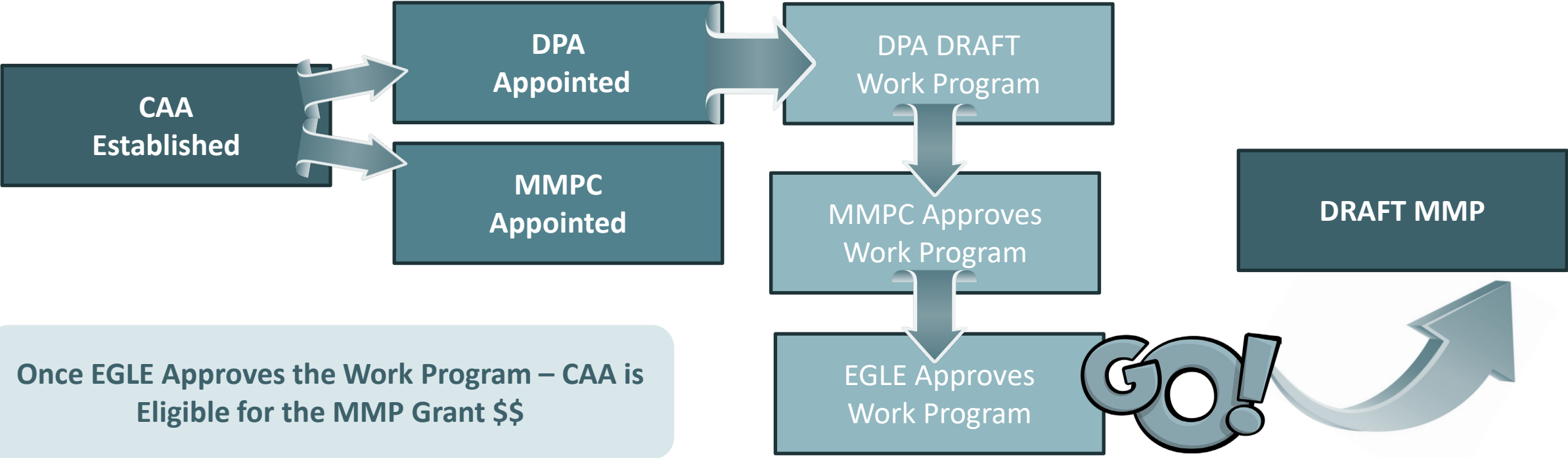


FILING OF THE NOI – STARTS THE 36 MONTH TIMEFRAME FOR DRAFTING & APPROVALS

HOW: MMP INITIATION CAA NEXT STEPS

CAA Filed NOI

(THE CAA HAS 180 DAYS TO COMPLETE ALL TASKS BELOW)



HOW: LOCALS INVOLVEMENT

Municipalities & Other Interested Parties

- All MMP meetings are public
- MMPC Representation
 - (1) Township
 - (1) City or Village
- Help to create the vision of the county
- 2/3rd Municipal Approval Required (120-day)
- We need locals to be part of the solution!!!



WHO: MMP PARTIES - CAA

County Approval Agency (CAA):

- Primarily responsible for all aspects of the MMP & Implementation
- Appoints Designated Planning Agency (DPA) & Planning Committee
- Oversees the creation & implementation of the DPA's work program
- Receives & utilizes the MMP Grant funds
- MMP approval rights at various stages of the process
- Primarily responsible for identifying capacity needed for the planning area



WHO: MMP PARTIES - DPA

Designated Planning Agency (DPA) Duties:

- Serves as the **primary government resource** in the planning area for information about the MMP and the MMP development process
- Prepares the MMP work program
- Under the direction of the Planning Committee, **prepare** the MMP
- Ensures approval process and submittals comply with the statute
- **Shall have the necessary expertise and the legal, financial, and institutional capabilities to prepare the plan.**
- May be the following:
 - Regional, county, or municipal planning commissions.
 - Departments of public works.
 - Road commissions.
 - Drain commissioners.
 - County executives.
 - Materials Management/Solid waste disposal authorities.

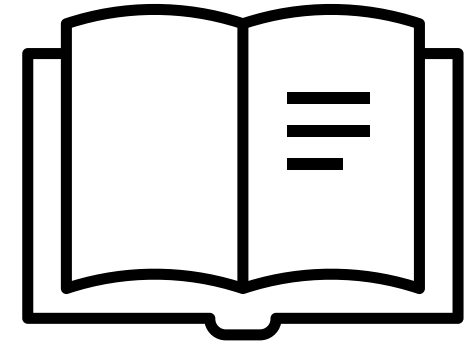


WHAT: OUTCOMES OF EGLE PREPARED MMP

- Regional approach preference: County may be added to regional MMP
- NO MMP grant funding
- Develop MMP using the standard format & specific requirements
- BOC responsible for implementation

EGLE Prepared Plan

- All Materials Utilization Facilities' that comply with local zoning requirements, to be consistent with the MMP.
- No additional landfill capacity
- Require waste haulers to provide recycling pickup



WHY: BENEFITS COLLABORATION

- Additional MMP Grant \$\$
- Easier to fill MMPC seats
- Pool resources
- Create/utilize staff with expertise
- Streamlined access to regional facilities
- Similar challenges/opportunities
- Unified education plan = easier to use & market materials
- Increase service options for region
- Economies of scale = improved efficiencies & reduces costs



WHY: PLAN

- County's **tool & authority** over management of solid waste, recyclables, organics, and other related activities within their planning area
- **Identifies and/or creates mechanisms to fund & promote materials management methods like recycling and composting**
- Identifies the county's materials management **infrastructure** (existing and new)
- Defines county or regional **needs, goals**, and identifies possible areas of **growth**
- Encourages **collaboration** through partnerships to manage materials that are generated
- Helps establish current **generation** of organics, recyclable materials, & solid waste.
- Identifies **gaps** and local needs for infrastructure and services.



Once developed, the MMP becomes a tool and the authority to implement the vision set by the planning area.

HOW: RESOURCES TO HELP

- MMP Webpage: www.Michigan.gov/EGLEMMP
 - MMP Quick Guide: [Planning Quick Guide](#)
 - Planning Hub (official submittal items)
 - [Mega Data](#)
 - Data collection project
 - [Authorization Program](#)
 - Online reporting for required and voluntary materials management facilities.
- Recycling Team: <https://www.Michigan.gov/MIRECYCLES>
- GIS Mapping: [Michigan Materials Management Facilities \(arcgis.com\)](#)



WHAT TO FOCUS ON NOW

- Review MMPC appoint requirements
- Adjacent County discussions
 - Potential partnerships
- Confirm current DPA
- Engage in planning discussions
- Watch the MMP Website for resources



- **Letters to BOC to initiate the process**

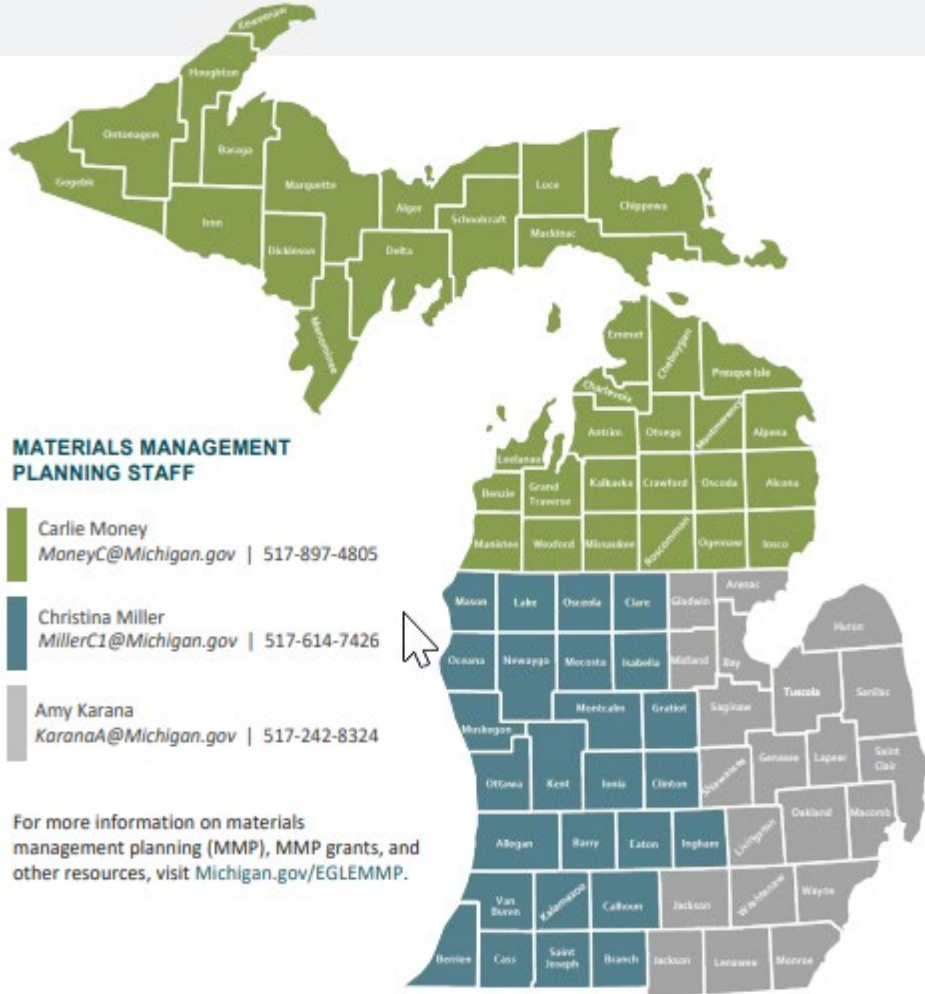
WHERE TO FIND MORE INFORMATION?

- **MMP Workgroup Meeting: 3rd Wednesdays (1:30 – 3:00)**
 - Sept 20th: Tools & Resources
 - Oct 18th: Notice of Intent & First Steps
 - Nov 15th: TBD (tentative)
- **Planning Website: www.Michigan.gov/EGLEMMP**
- **GovDelivery (Listservs)**
 - [Materials Management News and Info](#)
 - [Materials Management Planning](#)
- **Where to send questions: EGLE-MMP@michigan.gov**





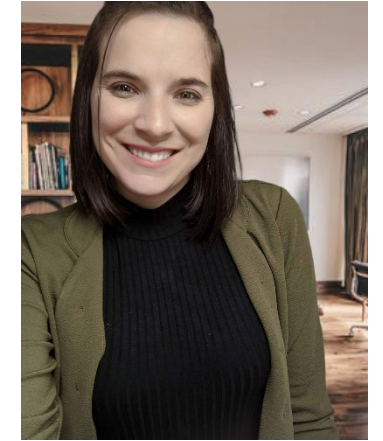
MATERIALS MANAGEMENT PLANNING PROGRAM



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[Website: Planning Staff Program Map](#)

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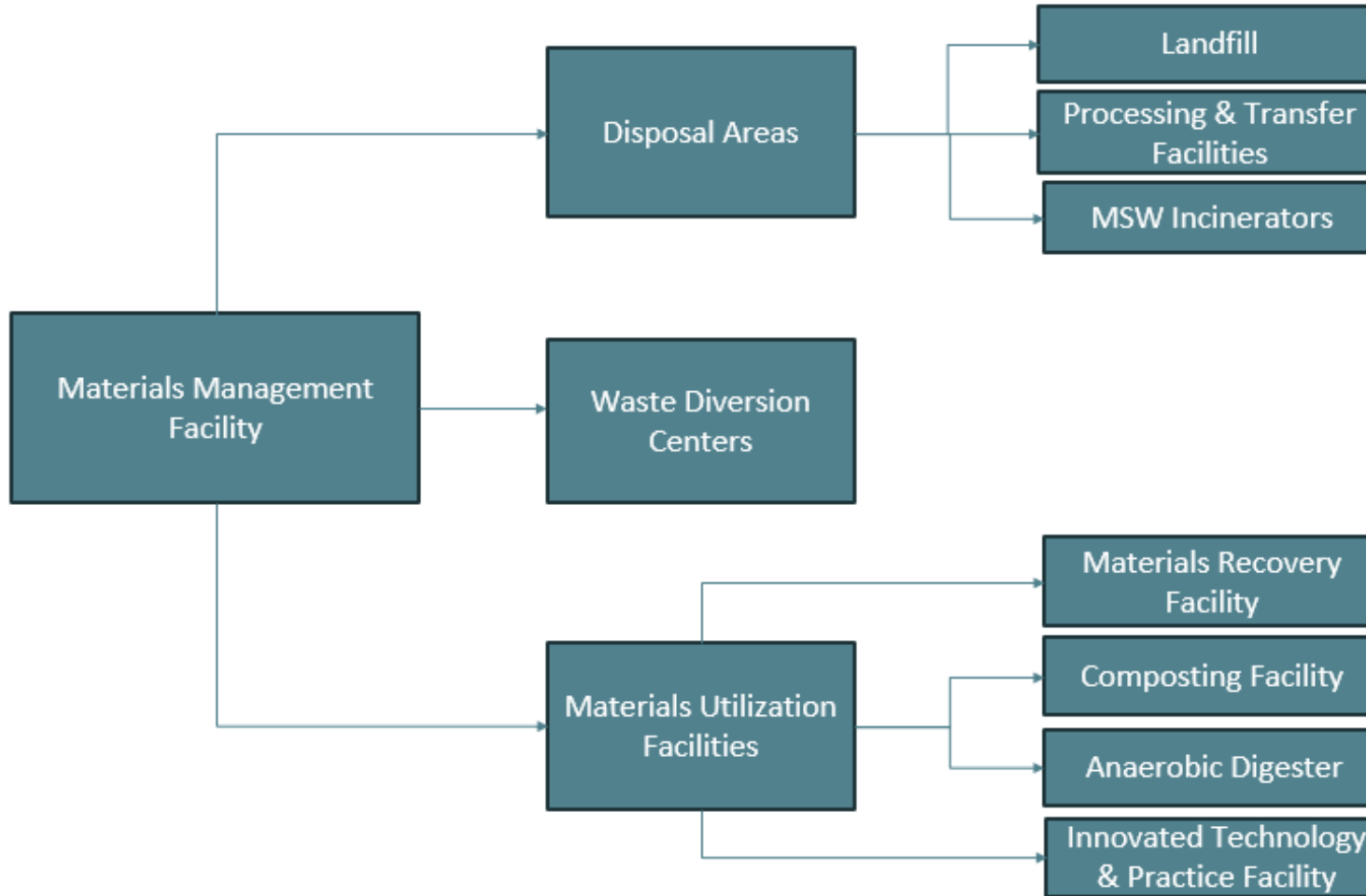


QUESTIONS??

NEW FACILITY REQUIREMENTS

Michigan Recycling Coalition
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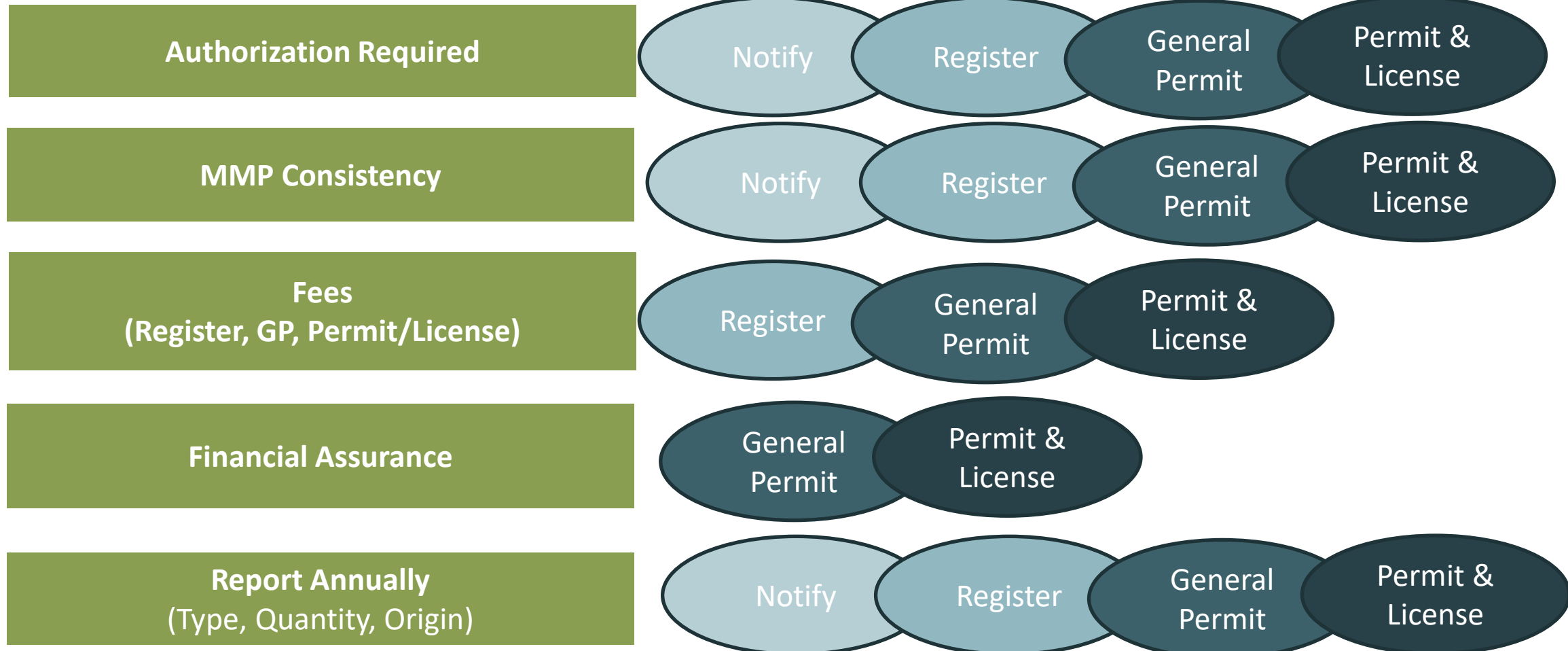
NEW FACILITY AUTHORIZATIONS



New Facility Authorization Type and Requirements

	Fee	Financial Assurance	Notify	Register	General Permit	Operating License and Construction Permit	Consistency with County Plans
WASTE DIVERSION CENTER			X				X
DISPOSAL AREA							
Solid Waste Processing and Transfer Facility							
Small-Less than 50 cu yds of solid waste on site at any time			X				
Medium- Greater than 50 cu yds but less than 200 cu yds of solid waste on site at any time	X			X			X
Large-More than 200 cu yds on site at any time	X	X				X	X
MATERIALS UTILIZATION FACILITY							
Material Recovery Facility							
Processes less than 100 tons of material per year and less than 100 tons on site at any time							
Processes more than 100 tons of material per year and less than 100 tons on site at any time	X			X			X
Has more than 100 tons on-site at any time	X	X			X		X
Compost Facility							
Small Compost Facility (>500 cy and <1,000 cy of compostable material and <5% is compostable material other than yard waste)			X				X
Medium Compost Facility (>500 cy and <10,000 cy of compostable material and <10% of compostable material is other than yard waste)	X			X			X
Large Compost Facility (>500 cy of compost and does not qualify as a medium site); Any Compost Facility that accepts class 2 materials	X	X			X		X
Anaerobic Digester							
Takes 20% or less of material generated from off-site; Manages organic material for on-site energy production			X				X
Takes more than 20% off site generated material	X			X			X
Manages source separate material generated off-site or manures, bedding, or crop residuals generated on-site; and up to 20% other materials not generated on site	X	X			X		X
New & Innovative Technologies for Waste Utilization	X	X			X		X

NEW OVERALL REQUIREMENTS



WASTE DIVERSION CENTER

- A property or a building, or a portion of property or a building, designated for the purpose of receiving or collecting diverted wastes and not used for residential purposes.
- WDC have 1 authorization level:
 - Required to **notify** and **report** annually.
 - Required to be **consistent** with County Materials Management Plans
 - No fee associated with this type of facility authorization
- **Diverted waste is material that:**
 - is generated by households, businesses or governmental entities
 - can lawfully be disposed of at a licensed landfill or a municipal solid waste incinerator
 - is separated from other waste
- includes material such as:
 - hazardous waste
 - liquid waste
 - Pharmaceuticals
 - electronics
 - batteries
 - light bulbs
 - pesticides
 - thermostats, switches, thermostats, other devices that contain elemental mercury
 - sharps
 - other waste approved by the department that can be readily separated from solid waste for diversion to preferred methods of management and disposal

SOLID WASTE PROCESSING AND TRANSFER FACILITY

- Small (<50 cyds solid waste on site at any time)
 - **Notify** and **report** annually
 - 1-year to comply with notification requirements (March 2024)
- Medium (50 – 200 cyds solid waste on site at any time)
 - 5-year Registration with operations plan and site map; \$750 fee
 - **Report** annually
 - Must be **consistent** with the County Plan
 - 1-year to comply with registration requirement (March 2024)
- Large (>200 cyds solid waste on site at any time)
 - Operating License and Construction Permit
 - \$1,000 Operating License Fee
 - \$500 - \$2,000 Construction Permit Fee
 - **Financial assurance** of \$20,000 required
 - **Report** Annually
 - Must be **consistent** with the County Plan
 - 2-year post closure period

A Solid Waste Processing and Transfer Facility is a tract of land, a building or unit and any appurtenances of a building or unit, a container, or any combination of these that is used or intended for use in the handling, storage, transfer, or processing of solid waste, and is located at the site of generation or the site of disposal of solid waste.

COMPOSTING FACILITY

Exempt Facility

- > 500 cyds of Class 1 material on site at any time
- Composted
 - on the site where material generated
 - generated and used on a farm
 - at a licensed landfill provided ALL finished material is used at the landfill

Small

- 500 - 1,000 cyds
- Notify and **report** annually
- Must be **consistent** with county plans
- 1 year to comply with notification requirements.
- Cannot contain >5% class 1 materials

Medium

- 1,000 - 10,000 cyds
- Must register every 5 years; \$750 fee
- **Report** annually
- Annual facility inspection
- Must be **consistent** with county plans
- 1-year to comply with registration requirements
- Cannot contain >10% of class 1 materials AND must be no more than 5,000 cyds per any acre.

Large

- < 10,000 cyds or ANY Class 2 materials on-site
- Must obtain a general permit every 5-years; \$1,000 fee; \$20,000 financial assurance
- **Report** annually
- Annual facility inspection
- Must be **consistent** with county plans
- 2-year to comply with permit requirements

ANAEROBIC DIGESTOR

- Manages organic material generated on-site for energy production and takes 20% or less of material generated from off-site
 - Notify and **Report** annually
 - Must be **consistent** with County Plans
 - 1-year to comply with notification requirement (March 2024)
- Manages organic material generated on-site for energy production and takes more than 20% off site generated material
 - 5-year registration; \$750 fee
 - Annual **Reporting**
 - Must be **consistent** with County
 - 1-year to comply with registration requirements (March 2024)
- Manages off-site generated source separate material, manures, bedding, or crop residuals
 - 5-year General Permit; \$1,000 fee; \$20,000 financial assurance per AD
 - Annual **Reporting**
 - Must be **consistent** with County Plans
 - 2-years to comply with permit requirements (March 2025)

a facility that uses microorganisms to break down biodegradable material in the absence of oxygen, producing methane and an organic product.

MATERIALS RECOVERY FACILITY

- Processes <100 tons of material/year and has <100 tons on site at any time
 - Exempt
- Processes >100 tons of material/year and has <100 tons on site at any time
 - 5-year Registration; \$750 fee
 - **Report** annually
 - Must be **consistent** with County Plans
 - 1-year to comply with registration requirements (March 2024)
- Has >100 tons on-site at any time
 - 5-year General Permit; \$1,000 fee; \$20,000 financial assurance per MRF
 - **Report** annually
 - Must be **consistent** with County Plans
 - 2-years to comply with permit requirements (March 2025)

A facility that meets both of the following requirements: (a) Receives primarily source separated material and sorts, bales, or processes the source separated material for reuse, recycling, or utilization as a raw material or new product. (b) On an annual basis, does not receive an amount of solid waste equal to or more than 15% of the total weight of material received by the facility unless the materials recovery facility is making a reasonable effort and has an education program to reduce the amount of solid waste. Material disposed of as a result of recycling market fluctuations is not included in the 15% calculation.

INNOVATIVE TECHNOLOGY FACILITY

- New & Innovative Technologies for Waste Utilization
 - 2-year General Permit; \$1,000 fee; financial assurance based on third party closure costs
 - **Annual Reporting**
 - 2-years to comply with permit requirements (March 2025)

a materials management facility that converts solid waste into energy or a usable product and that is not a materials recovery facility, a composting facility, or an anaerobic digester.

Thank You!

Michigan Department of **Environment, Great Lakes, and Energy**
Michigan.gov/egle

Follow us at: Michigan.gov/egleConnect

MATERIALS MANAGEMENT PLANNING COMMITTEE

- 1 Solid waste disposal facility operator
- 1 Managed materials hauler
- 1 Materials recovery facility operator
- 1 Compost or anaerobic digester facility operator
- 1 Waste diversion, reuse, or reduction facility operator
- 1 Environmental interest group
- 1 Elected official for each: County; Township; and City or Village
- 1 Individual that generates a managed material
- 1 Regional planning agency
- OPTIONAL: An adjacent community business representative



Multi-County MMP: Standard MMPC plus the following may be appointed per additional county

- 1 Elected county or municipal government official
- 1 Business that generates managed materials within the planning area

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

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

Info Sheets and Guidance

- [Planning Quick Guide](#)
- [Materials Management Plan Approval Process](#)
- [Materials Management Plan Requirements](#)
- [Multicounty Materials Management 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](#)

Funding Opportunities

- [Materials Management Engagement Grants](#) [CLOSED]
- [Recycling](#)- scroll to the Grant section for more information
- [NextCycle](#)
- [Federal Funding Technical Assistance](#)

Michigan Planning Regions

www.miregions.com



Region 1 - SEMCOG

Region 2 - RzPC

Region 3 - SCMPC

Region 4 - SWMPC

Region 5 - GLSPDC

Region 6 - TCRPC

Region 7 - EMCOG

Region 8 - WMRPC

Region 9 - NEMCOG

Region 10 - NNW

Region 11 - EUPRPDC

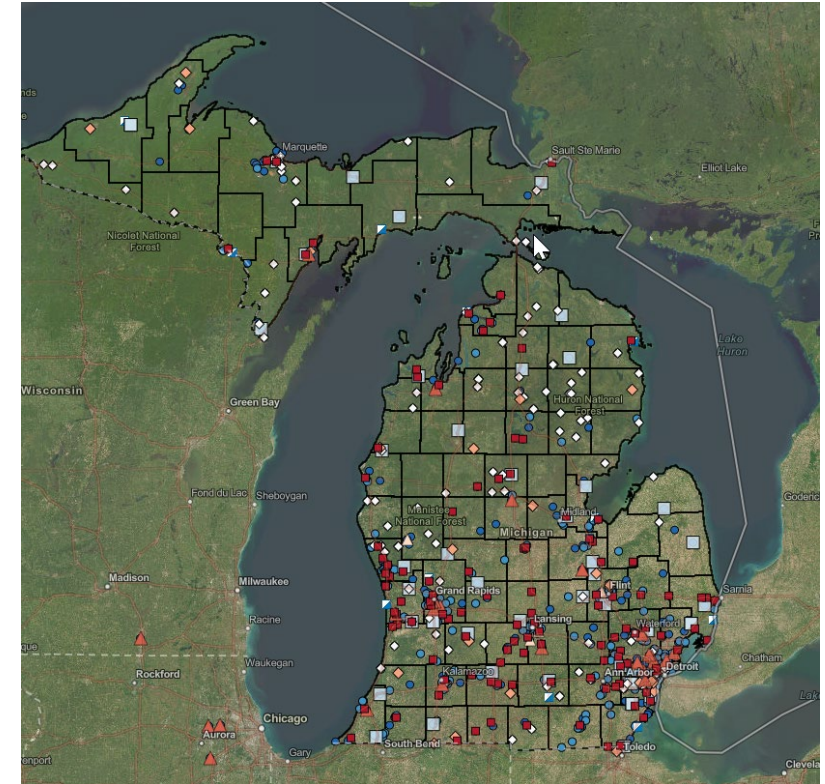
Region 12 - CUPPAD

Region 13 - WUPPDR

Region 14 - WMSRDC

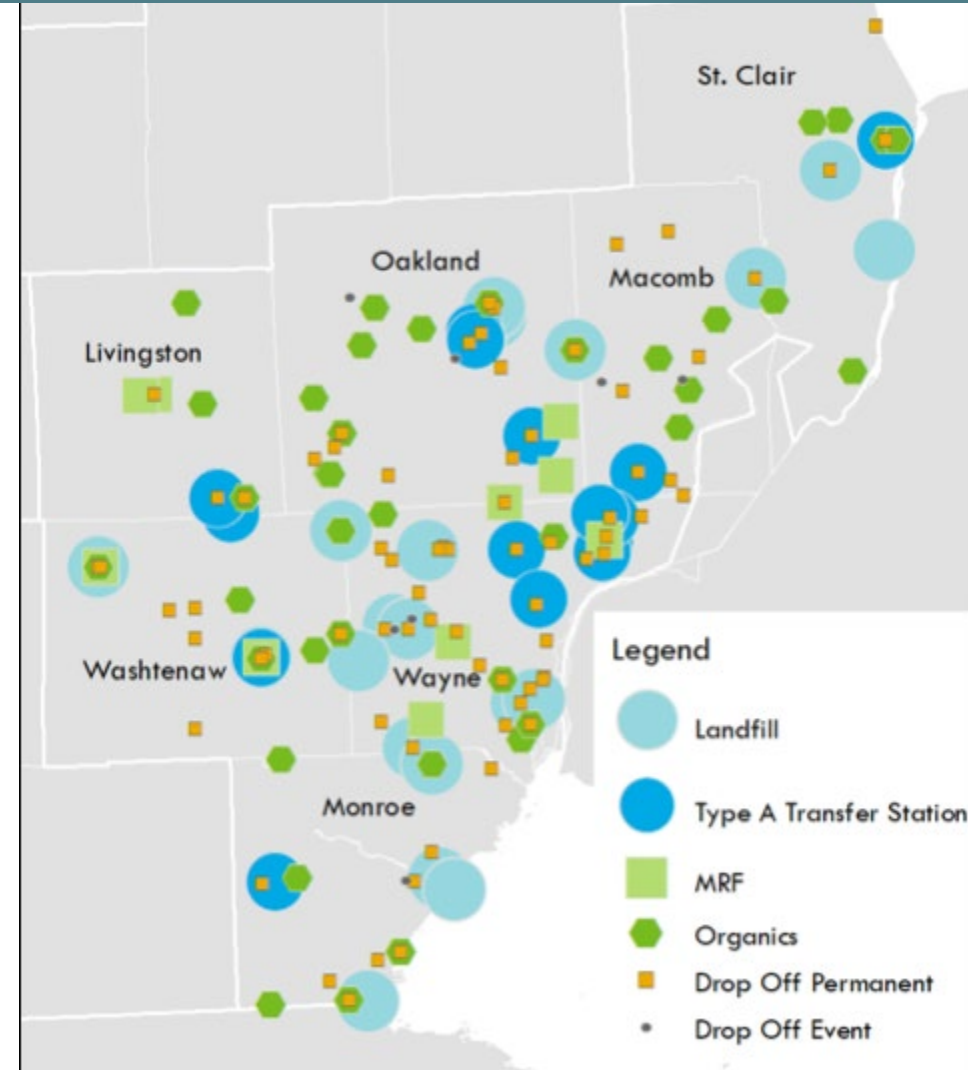
MATERIALS MANAGEMENT FACILITIES GIS MAP

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



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.

MATERIALS MANAGEMENT PLAN (MMP) PARTIES

- County Board of Commissioners (BOC) or elected county executive, as appropriate
- County Approval Agency (CAA)
 - Primarily responsible for all aspects of the MMP
- Designated Planning Agency (DPA)
 - Administers and prepares the MMP through the direction of the MMPC
- Materials Management Planning Committee (Planning Committee/MMPC)
 - Identifies planning area priorities and directs the DPA for MMP preparation



THANK YOU

- Planning Team

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