



MICHIGAN  
**Recycling Initiative**

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Upper Peninsula Solid Waste Forum

May 2, 2018

# The State of Landfilling in Michigan



In 2017 a total of 50,604,692 cubic yards of waste were disposed of in Michigan landfills.

- 1,541,054 cubic yards increase since 2016 (~3.1%)
- Enough to pack over 94 Michigan State University football stadiums

# The State of Recycling In Michigan

Estimated Recycling Rate: 15.3% (~1.5 million tons)



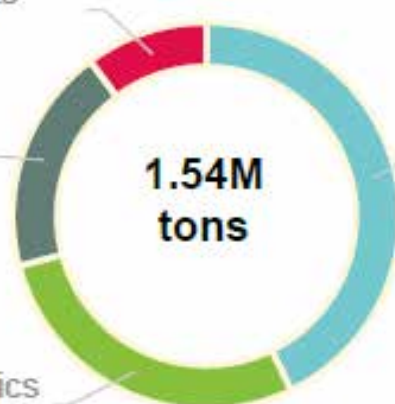
Container Deposits  
10.2%



Traditional Collected  
Materials  
42.8%



Take-back Program  
Materials  
18.9%



Organics  
28.0%



# Five Priorities for Growth

- Update solid waste law to focus on reuse rather than disposal
- Inform and engage residents on the importance of recycling
- Establish funding model to ensure success
- Grow markets in Michigan for recycled materials
- Increase recycling in state facilities



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# Planning: The future of waste?

- Focus to date: providing adequate landfill capacity and safe, long term disposal.
- Focus for the future: enhancing to a more integrated system, which includes waste minimization, recycling, sustainability, and promoting “cradle to cradle” manufacturing.



# CURRENT Solid Waste Management Plans

- Ensures adequate **disposal capacity** for all solid waste for a **10-year period**
- Controls **siting** of new and expanded disposal areas
- Preempts all **local regulation** of disposal area design, location, and operation except to the extent allowed by the DEQ-approved County Plan
- Defines **roles** of county and local governments in plan implementation and enforcement & **enforceable mechanism**
- Includes the **feasibility** of recycling/composting and other local **diversion** programs
- Identifies **transportation** infrastructure
- Controls **imports and exports** of solid waste for disposal between counties in Michigan



# PROPOSED Materials Management Plans

- Residential-like waste to determine a **recycling rate**
- Determine a **materials utilization goal** for the planning area
- Identifies all materials management **options** for the planning area & inventories the **capacity** of the MMFs
- Contains an **enforceable mechanism** for implementing the MMP
- Controls the **siting** of new & expanded MMF's & includes local regulations to be used during the siting process
- Ensures materials management facilities needed are able to be **developed**
- Includes an overview of the **transportation** infrastructure
- Documents an **implementation** strategy



# Materials Utilization Goal (MUG)

- Benchmark Recycling Standard
- Recycling rate
- Other MUGs set by the planning area's

**Materials Utilization Goal (MUG)** is a measurable objective and specific set of goals, determined by a planning area which will be used to demonstrate progress toward material diversion from disposal areas.





# Benchmark Recycling Standards

- Recycling access standards
  - Goal: Work toward a day when all Michigander's can recycle as easily as they can landfill.
- Education standards
  - Goal: Increase recycling awareness and educate Michigander's about recycling access options



# Benchmark Recycling Standards

- **2022** – 90% single-family dwellings in urbanized areas have access
- **2025** – 90% single-family dwellings in areas with >5,000 residents have access
- **2028** –
  - Population <100,000 residents: at least 1 drop-off for every 10,000 residents without curbside recycling at their dwelling
  - Population >100,000 residents: at least 1 drop-off for every 50,000 residents without curbside recycling at their dwelling

# MMP IMPLEMENTATION STRATEGY

- Show progress towards MUGs
  - Reduction of organic materials being disposed
  - Reduction of recyclable materials being disposed
- MUF's annual report to DEQ
- Description of MUG resources needed
- How benchmark standards will be met

# Examples: Mechanisms to Provide Recycling Access

- **Voluntary** action by recycling service providers to offer recycling services to customers
- **Municipality** providing curbside recycling services
- **Intergovernmental agreements** for services
- Franchise or contract agreements with the **private** sector
- Establishing an **ordinance** specifying that haulers shall offer recycling services

# Examples: Mechanisms to Provide Local Funding

- Millage
- Municipal utility service fees
- Special assessments
- Service provider franchise agreements
- Hauler licensing fees
- General fund appropriations
- Fees for services
- Surcharges



# PROPOSED MMP Grants

- Covers local costs for preparing, implementing, and maintaining MMPs
- \$60,000 for each county
- \$10,000/county for multi-county planning
- \$0.50 per capita, up to \$300,000,
  - Cover the higher upfront costs of initiating the new planning process
  - Available in the first year

# Support to Communities

- Planning grants - \$5 million
  - Preparing, implementing, and maintaining local materials management plans
- Local recycling grants - \$8 million
  - Growing recycling access and participation
- Market development grants - \$2 million
  - Providing equipment, research, and development

# DEQ Waste Reduction & Recycling Grants

- 2014 - \$250,000 – 3 projects (recycling data studies & BMPs)
- 2015 - \$635,500 – 14 projects (infrastructure & education)
- 2016 - \$450,000 – 9 communities (curbside carts)
- 2016 - \$241,800 – 4 projects (food waste reduction & diversion)
- 2017 - \$534,242 – 29 projects (infrastructure & education)
- 2018 – \$575,000 – 2 communities (curbside carts)





# 2016 Recycling Grants

Community	Grant Offer
Lathrup Village	\$23,447
Ferndale	\$28,866
Berkley	\$44,900
Pleasant Ridge	\$16,640
Beverly Hills	\$52,379
Oak Park	\$69,621
Birmingham	\$44,638
Hazel Park	\$92,435
Clawson	\$77,074
<b>TOTAL</b>	<b>\$450,000</b>



These grants helped to catalyze a larger, regional, \$12.8 million dollar project through the Southeastern Oakland County Resource Recovery Authority (SOCRRA) and its member communities that included providing carts to over 100,000 households and major upgrades to the recycling processing facility.

# 2017 Recycling Grants

\$534,242 -- 13 education projects, 16 infrastructure projects



**WAYNE STATE UNIVERSITY RECYCLING**

**YES** PAPER, CARDBOARD, PLASTIC CONTAINERS, METAL CANS & GLASS BOTTLES

**NO** FOOD, BEVERAGES, BOOKS, STYROFOAM, NAPKINS, ISSUES OR PAPER TOWELS

Do your part today, for a greener future tomorrow.



JAMES L. LOCKWOOD TRANSFER STATION

## New balers to help with recycling effort

By Andrew King  
king@tribune.com

JEFFERSON TWP. — The James L. Lockwood Transfer Station welcomed a couple of big, green additions to its fleet of machinery this week as two new balers were installed on Wednesday afternoon. "It's to add to our line," said Jefferson Township treasurer, Jim Lockwood, for whom the station is named. "We're running short of space and balers are cheaper than building buildings."

The new balers were typically cheap given that the transfer station received a Recycling Infrastructure Grant from the

Michigan Department of Environmental Quality which covered 75 percent of the cost of the purchase, Lockwood said that amounted to roughly \$19,000.

"They're up-and-running today," Lockwood said on Thursday morning. "We got everything working."

The new balers will break down number two plastic and will open up one of the station's other machines to bale paper. The station has three other balers, for a total of six, which bale number one plastics, cardboard and cardboard.

Lockwood said, "It's a



MKE Electric's Jim Fulshe works to get one of two new balers up and running at



### Sanilac County Recycling Center

150 Orval Street, Sandusky, MI 48471  
Open Monday - Thursday 7:00 am - 2:00 pm

Drop off available 24 hours - 7 days a week  
[www.sanilacounty.net](http://www.sanilacounty.net) | 810-648-3590



SANILAC COUNTY RECYCLING

### Tuscola County Recycling Facility

1123 Mertz Road (M24), Caro, MI 48723  
Open Monday - Friday 8:00 am - 4:30 pm

Find us on Facebook - Tuscola County Recycle  
[www.tuscolacounty.org](http://www.tuscolacounty.org) | 989-672-1673



TUSCOLA COUNTY RECYCLING

DEQ Recycling Grant Program  
[www.recyclesearch.com/michigan-directory](http://www.recyclesearch.com/michigan-directory)

# DEQ Scrap Tire Grants:

2018 Scrap Tire Clean-up - \$1,204,428

74 community clean-up projects and 10 private sites

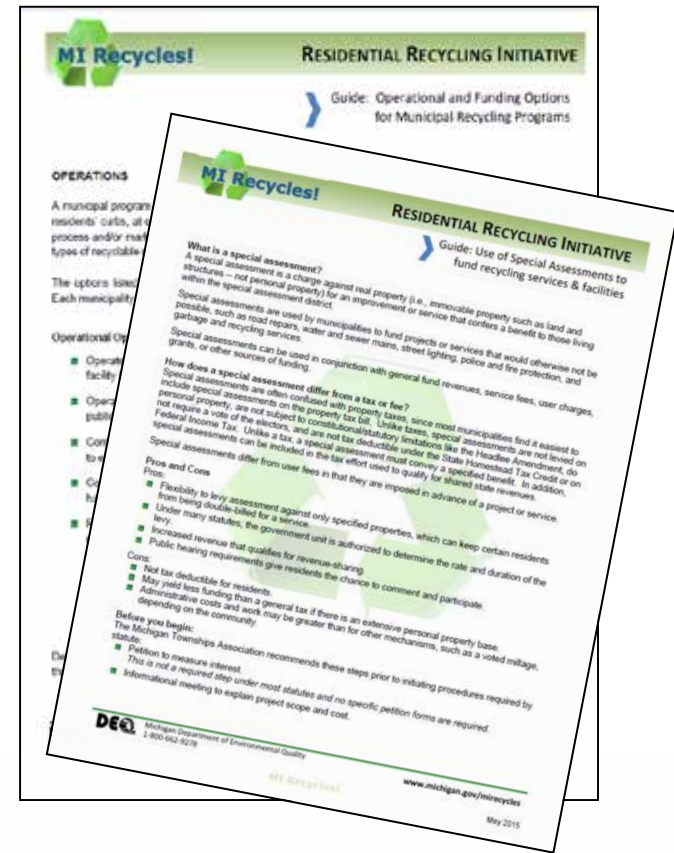
2018 Scrap Tire Market Development - \$2,201,668

10 RMA Road Paving Projects and a market development study



# Sustainable Funding Mechanisms

- Communities across Michigan use a variety of techniques. When considering a program, one of the first steps is identifying the funding source.
- Review guides, discuss with neighboring communities, discuss with your service provider, and survey the community to gain support for the program.



# State Resources

- State of Michigan DEQ
  - Grants
  - Education resources
  - Technical assistance
  - Connections
  - Tracking tools, RecycleSearch Database
  - Online archive of webinars
  - [www.michigan.gov/mirecycles](http://www.michigan.gov/mirecycles)
- Michigan Recycling Coalition
  - Education resources
  - Technical assistance
  - Connections
  - [www.michiganrecycles.org](http://www.michiganrecycles.org)
- Service providers and materials recovery facilities



# National Resources

- The Recycling Partnership
  - Grants
  - Education resources
  - Technical assistance
  - National expertise
- Keep America Beautiful
- Closed Loop Fund
- Sustainable Packaging Coalition



# Michigan Can Do Better



## Questions and Discussion