

Solid Waste Policy Reform

Modernizing Material
Management



Michigan Recycling Coalition

Fostering sustainability by leading, educating, and mobilizing businesses, governments, nonprofits, and individuals to advance their own and collective resource use and recovery initiatives in Michigan.





mrc
michiganrecyclingcoalition

Disposal Capacity

County planning has become a way to expand landfills.

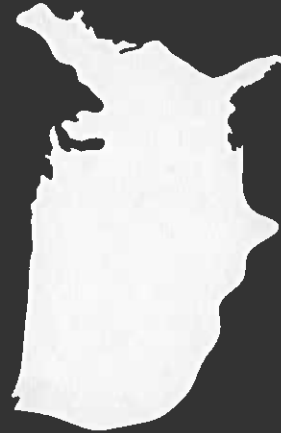
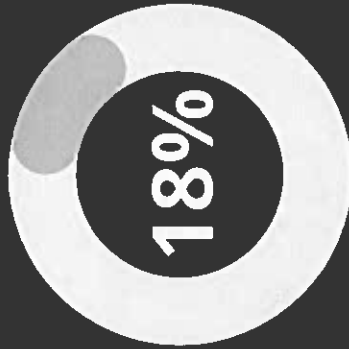
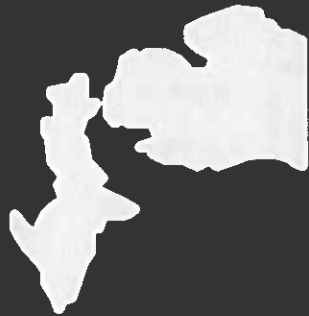


Materials Management Capacity

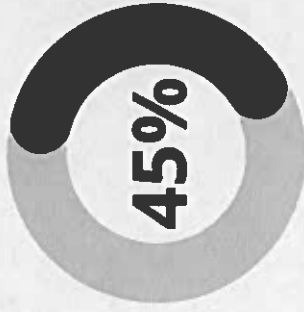
It's time to prioritize productive uses of discarded materials.



Michigan now



Michigan's potential



- 138k employed in recycling
- \$9.08B in annual labor revenue from recycling
- Recycling will create \$33.8B in economic output

Renew Funding in Secured in 2018



\$15 Million
Grants,
Contracts,
& Planning



\$9 Million
Industry
Oversight



michigan municipal league



Goals of Part 115 Rewrite

- Remove preference for disposal
- Level the playing field
- Set recycling and utilization goals
- Establish benchmark recycling standards
- Reengage local governments in planning
- Update regulations, oversight tools
- Carrot and stick to drive progress

HB 4454

General & Definitions

Rep. Howell

BENCHMARK RECYCLING STANDARDS

- **Curbside recycling in municipalities over 5,000 by 2028**
- **Convenient drop-offs for rural and urban Counties by 2032**
- **Defines compost types of compost facilities**
- **Defines functional stability**

HB 4455

Definitions & Goals

Rep. Cambensy

- **Defines Host Community Approval**
- **Defines Managed Materials Utilization Facilities**
- **Establishes 45% recycling goal for State**
- **Counties to determine own goals**
- **Requires facilities to comply with Part 115, county plans, and sets terms for registration and permitting**

HB 4456

Disposal Areas & Waste Diversion Centers

Rep. Sowerby

- Updates licensing requirements
- Increases fees (negotiated with industry)
- New landfill gas management requirements
- Allows EGLE to inspect, monitor sites & facilities
- Sets landfill post-closure care requirements
- Flexibility on 30 year post-closure requirement

HB 4457

Financial Assurance

Rep. Rabhi

- **Assures funding for site clean-up in cases of bankruptcy or catastrophic failure**
- **Updates financial assurance for landfills - reflects cost, reduces burden**
- **Establishes financial assurance for other types of materials management facilities**

HB 4458

Misc., Incinerators, Enforcement

Rep. O'Malley

- If a county chooses not to plan and the state develops the plan, haulers operating in the county shall provide recycling services that meet the benchmark standards.

HB 4459

Funds and Grants & Beneficial Byproducts

Rep. Martin

- Identifies how Renew Funds are to be allocated
 - Planning
 - Grants & loans for market, infrastructure development, education & outreach
 - Economic development

HB 4460

Materials Utilization Facilities

Rep. VanSingel

- **More regulation of compost operations**
- **New operations developed in conjunction with plans, goals**
- **Identifies the limits of small, medium, and large compost facilities and fees for registration**
- **Legitimizes operations as community assets**

HB 4461

Material Management Plans

Rep. Tate

- **Updates to materials management planning**
- **Incentivizes regional planning**
- **Sets planning timetable, representation requirements**
- **Identifies mechanisms to fund service provision**
- **Makes funding available for planning and implementation, some funding based on making progress toward goals**
- **Assures needed facilities can be sited**
- **Prioritizes local engagement & control in siting**



More questions?

Call 517.974.3672 or email
kobrien@michiganrecycles.org

MODERNIZING MICHIGAN SOLID WASTE LAWS

Top 5 Reasons to Act Now

- 1 The State hasn't called for Solid Waste Plans in 25 years
- 2 Solid Waste Planning only assures siting of disposal capacity
- 3 Jobs and economic development opportunities missed when we dispose of usable material
- 4 Great Lakes states have surpassed Michigan in developing this industry
- 5 Renew Funding passed in 2018 supports materials management planning and development

Michigan's GOAL

Recycle 45%

municipal solid waste
Average state recycling rate 34%
Current MI recycling rate 18.1%

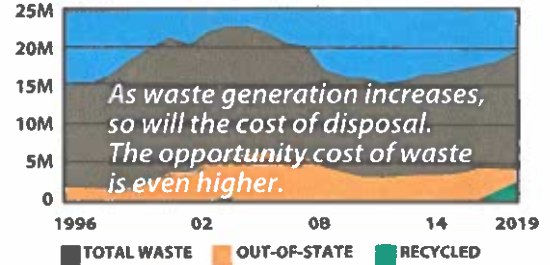


WHERE WE ARE NOW

Michiganders spend **\$1B+** to manage waste each year

We're paying to landfill **\$600M** of material that could be recovered for recycling each year.

Materials Managed in Tons



Michigan manages waste through County Solid Waste Plans, but without funding, plans are only used to expand landfills.



EGLE estimates Michigan has **24 years** of permitted landfill capacity available, many landfills own adjacent acreage that is not yet permitted.



Number of counties currently meeting State recycling access standards **25 of 83**

Renew Michigan Fund provides **\$15M** to support County Planning, infrastructure and market development, innovation, and education.

On average Michigan's curbside recycling programs recycle **226 lbs.** per household per year,



but high participation curbside programs across the country recycle **550 lbs.** per household per year

WHAT REACHING THIS GOAL WILL MEAN

Annual Economic Benefits

When Michigan recycling rate reaches 45%, the recycling, reuse, and recovery industry will total...

138K Jobs in MI

\$33.8B Economic output

\$9.0B Total annual labor income

Annual Environmental Benefits

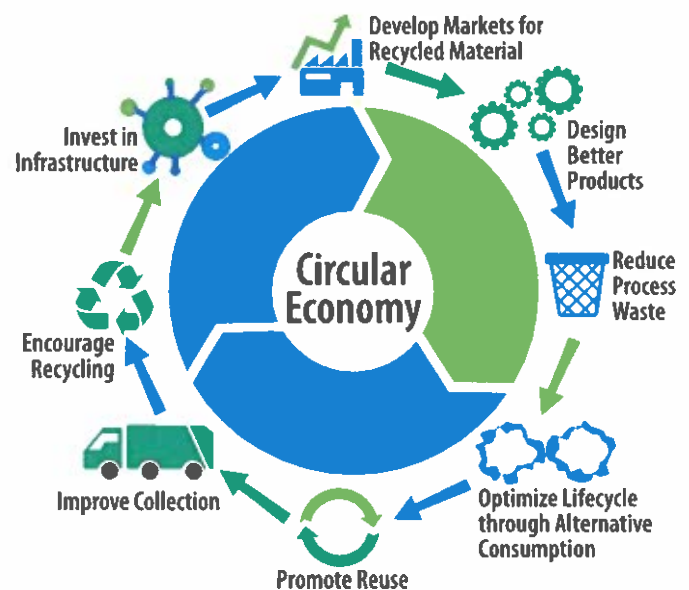
When Michigan recycling rate reaches 45%, Greenhouse gas emissions will be reduced by....

1,498,030 Passenger vehicles driven in one year

760,731 Households' Annual energy Consumption

Return on Investment

Every \$1 of investment in recycling and recovery, results in **\$11.40** in direct economic output and **\$18.70** in total economic output. Avoiding disposal of valued materials means less economic and environmental liability on future generations.



www.MichiganRecycles.org #StopWastingMI

Michigan Recycling Economic Impact and Recycled Commodities Market Assessment, Dec 2019, https://www.michigan.gov/documents/egle/egle-mm-d-Michigan-Market_Development-Final-Report_678214_7.pdf
Annual Reports of Solid Waste Landfilled in Michigan, https://www.michigan.gov/egle/0,9429,7-135-3312_4123-47581--,00.html
Measuring Recycling in the State of Michigan: 2014 Recycling Rate https://www.michigan.gov/documents/deq/deq-wmpdp-recycling-measurementupdate_553223_7.pdf

PROBLEMS

SOLUTIONS

COUNTY PLANNING

Designed for landfill growth due to capacity concerns 25 years ago	Incentives for counties to set goals and plan for holistic materials management to better utilize discards
County Solid Waste Planning has been unfunded for 20 years	Renew Fund ensures funding for county planning and local implementation of those plans
5 year cycles means loss of expertise at completion of plan	County planning committees stay together and maintain local expertise
Boundary control lies with county, regional facility development limited	Ensures materials can move freely around the state to use capacity where it exists

INDUSTRY OVERSIGHT

Permits & licenses haven't been updated in over 20 years	New understanding of landfill workings included in licenses and fees and are updated to reflect inflation
Landfill gas and odor issues are widespread across the state	New gas management requirements to reduce odor and other nuisance issues
Landfill post-closure is here and we still don't know what to do	New, flexible post-closure requirements ensure public health and safety
Cost to remediate landfills exceed the financial assurance required	Updated financial assurance requirements better reflect cost to remediate, saving taxpayer dollars

HOLISTIC MATERIALS MANAGEMENT

Composting, anaerobic digestion, recycling facilities, and others, operate outside of the current materials management system, leading to bad actors	Elevates, regulates, and legitimizes these management methodologies into the State's system
Existing material management facilities are largely undocumented, impacts are unknown	Inventory facilities and capacity to manage materials so communities can plan in accordance and invest where services are needed
Lack of process for facility development has led to risk aversion, loss of investment into materials management alternatives	Sets a clear process at the state and local level so innovation and facilities can be developed in conjunction with community goals



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#RecycleMI



Support Reforms to Michigan's Waste and Recycling Law

January 23, 2020

It is widely-agreed that our state's solid waste law is in need of significant reforms. While the Legislature recently provided funding for recycling and solid waste management through the 2018 Renew Michigan measure, these funds cannot be effectively used without updating our law (Part 115 of the Natural Resources and Environmental Protection Act), which is now more than twenty-five years old. Under our current outdated policy, Michigan has only prioritized the development of disposal capacity, specifically the siting of new and expanded landfills. Further, Michigan's eighty-three counties are largely operating under solid waste plans that are now decades old. This has led to an oversupply of disposal capacity, the continued importation of out-of-state waste, and a dismal statewide recycling rate.

However, since that time we've learned that much of our waste can be managed in more valuable and sustainable ways – through waste reduction, diversion, reuse, recycling, and more. Businesses of all shapes and sizes, as well as governments and nonprofit organizations, have all recognized sustainable materials management as a shared priority. Governors of both parties have made a commitment to increasing Michigan's recycling performance.

To achieve this goal, Michigan must bring its waste and recycling policies up to date. This means providing resources for counties to modernize and implement their material management plans. County planning assures that communities across Michigan are engaged and actively managing the waste generated in their jurisdiction for productive use and environmental protection. Michiganders spend more than \$1 billion annually to manage their wastes. While the \$15M now available from Renew Michigan - funding grants for recycling infrastructure, market development, and education - is a significant investment, our State must also adopt policies to fully leverage this funding.

For well over three years, business, government, and conservation stakeholders have worked thoroughly to develop legislation that substantially updates Michigan's solid waste law with these goals in mind. Proposed changes refocus the law to promote the development of 21st Century recycling infrastructure and needs. Plans for funding and policy changes developed in tandem and were founded on the need to expand create a robust planning process that will consider not only disposal, but also materials management solutions like waste reduction, recycling, composting, and anaerobic digestion.

This comprehensive update of our solid waste law will:

- ✓ Provide a policy framework supporting investment in productive materials management as an economic driver
- ✓ Update and broaden the county planning process to encourage sustainable materials management
- ✓ Ensure adequate local capacity for managing materials
- ✓ Prioritize local control of facility siting and regulation of landfill development
- ✓ Provide state oversight of composting and recycling facilities
- ✓ Require adequate financial assurance for all permitted facilities, including landfills
- ✓ Allow for the development of new recycling technologies and facilities
- ✓ Establish benchmark standards to ensure access to recycling opportunities across the state
- ✓ Specify local funding mechanisms that can be used to support materials management
- ✓ Preserve the ability to flow material to publicly-managed facilities
- ✓ Eliminate import/export authorizations for disposal
- ✓ Support business commitments to a circular economy

Without a new materials management planning framework, the state will continue to squander its resources by incentivizing disposal and waste as an afterthought. It's time to invest in the economic opportunities inherent in the materials already circulating in the economy. Our groups agree this is the right way forward to Michigan and support these much-needed reforms.