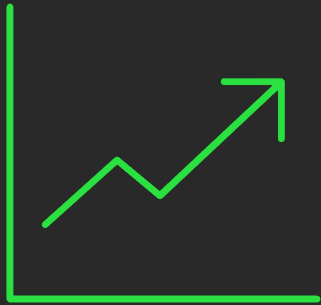




NEXTCYCLE  
MICHIGAN

# MICHIGAN'S OPPORTUNITY TO BUILD A CIRCULAR ECONOMY

# MICHIGAN'S RECYCLING SYSTEM



Past investment increased the recycling rate to 18% in 2018 (from 15% in 2015)



Michigan's recycling-based economy is well-positioned for growth



End markets are dependent on strong recycling supply chain

# MICHIGAN'S RECYCLING PATH **FORWARD**

6.8M

tons of  
opportunity  
being wasted

2.7M

2.7M more tons  
targeted to  
reach 45% goal

\$9B

potential total  
annual labor  
income

\$33B

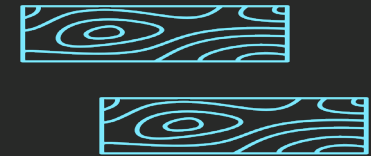
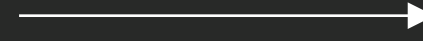
potential  
economic  
output

# END MARKETS

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

## FEEDSTOCK

## NEW PRODUCT

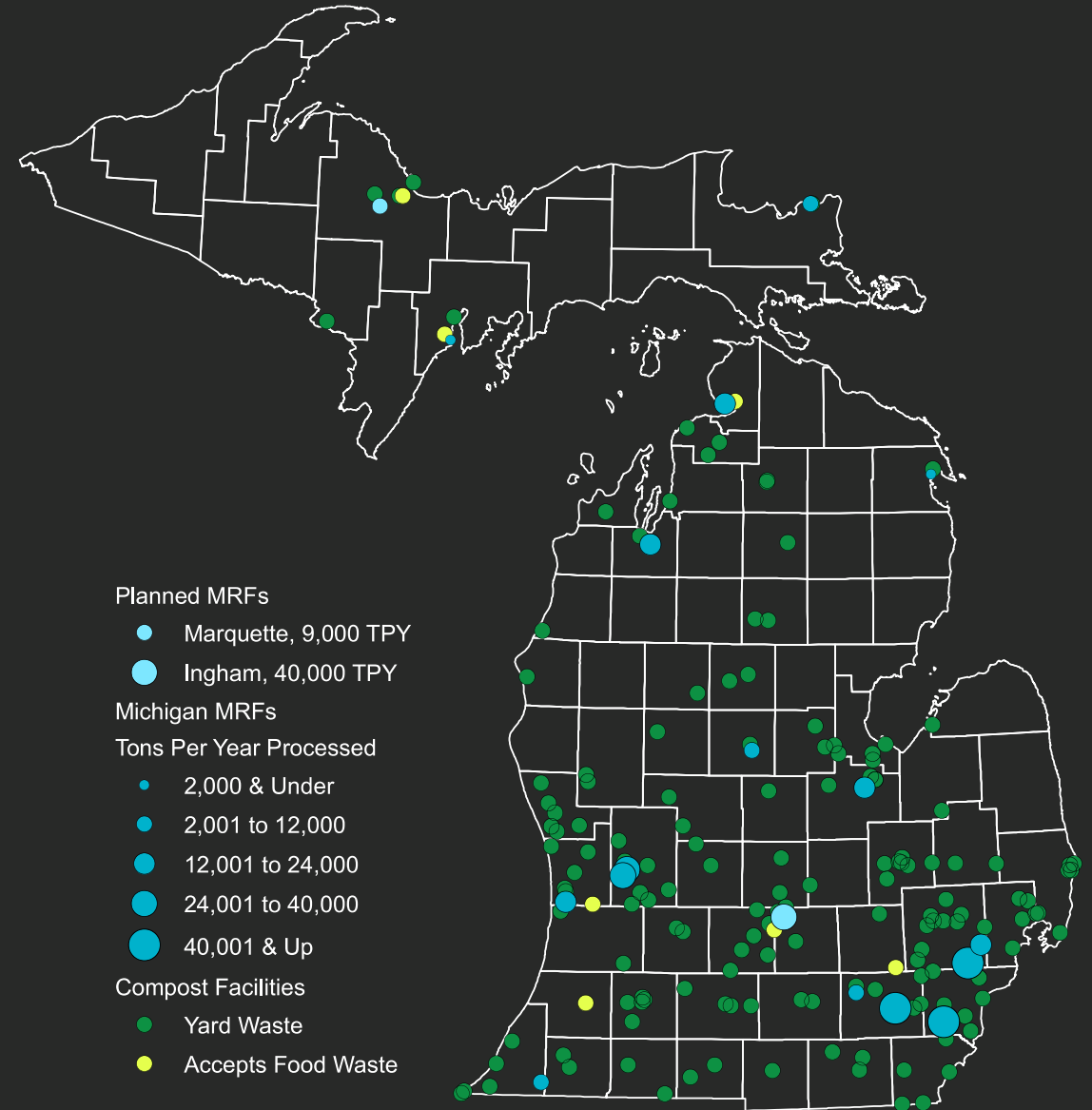


# CURRENT INFRASTRUCTURE

**18%**  
MI Current Recycling Rate

**366,232 tons/yr**  
Current MRF Throughput:

**1,892,257 tons/yr**  
Current Organics Processing  
(93% yard waste)



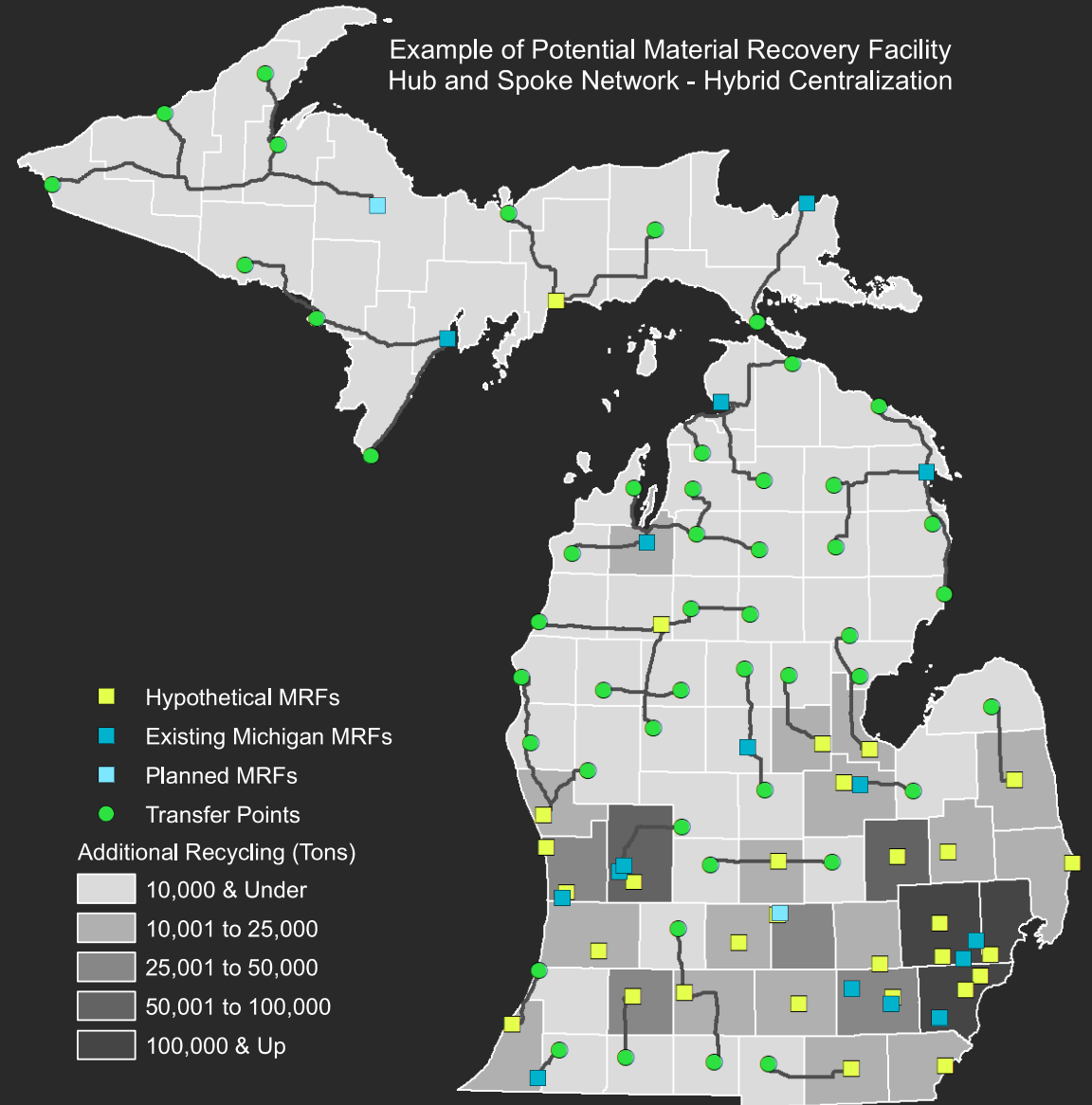
# MRF THROUGHPUT

**366,232** tons/yr  
Current MRF Throughput at **18%**

**1,285,639** tons/yr  
MRF Throughput for **45%**

Gap = **919,407** tons/yr

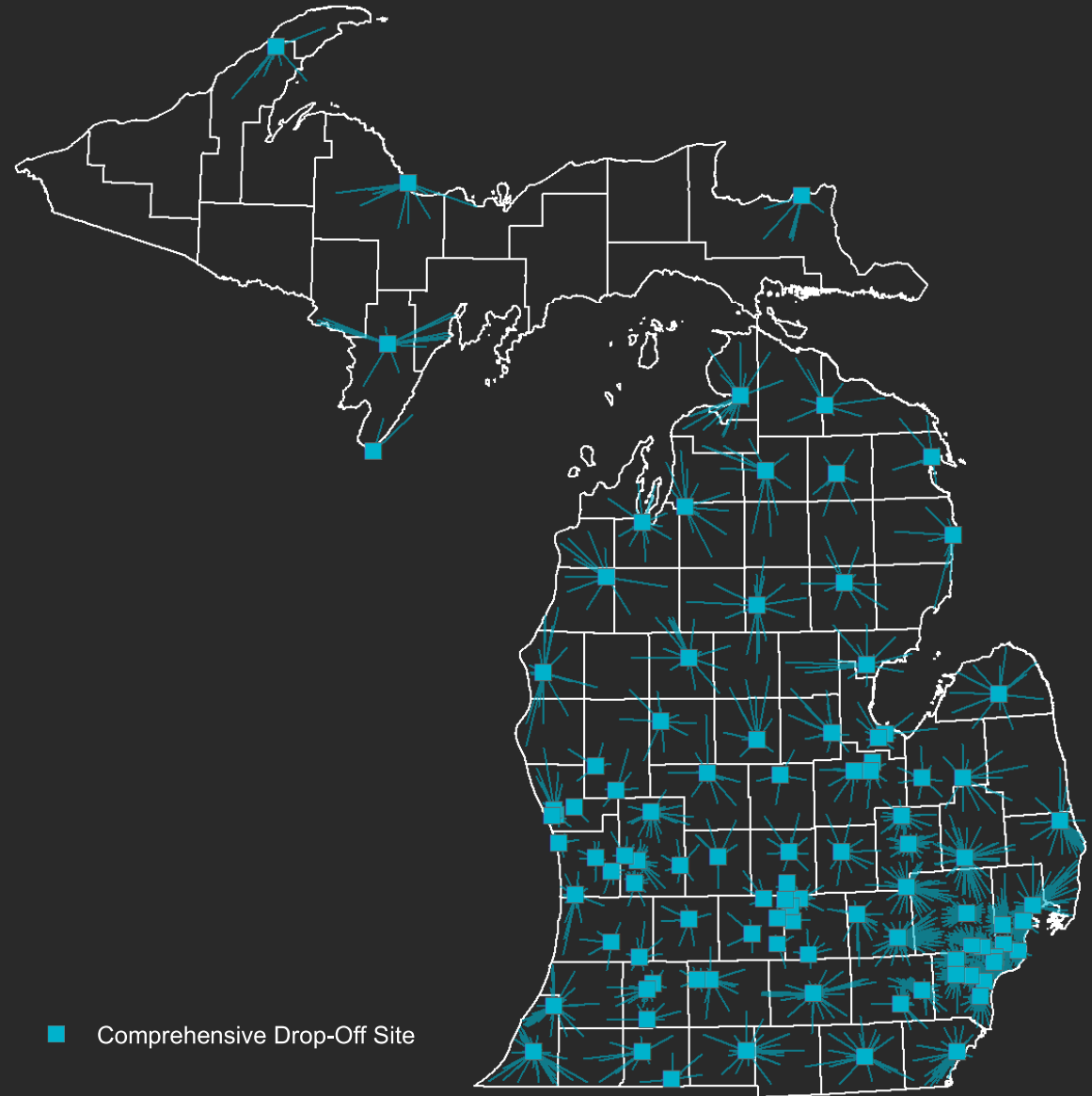
*Note: New MRFs are only shown for illustration and are not currently planned unless specifically noted as planned*



# DROP-OFF SITES

Up to  $\frac{1}{2}$  of recyclable materials are **outside of traditional programs**

Adding **100** comprehensive drop-off sites would reach **98% of population**



# ORGANIC PROCESSING

**367,197** tons/yr

Current Organics Processing(93% yard waste)

**1,116,492** tons/yr

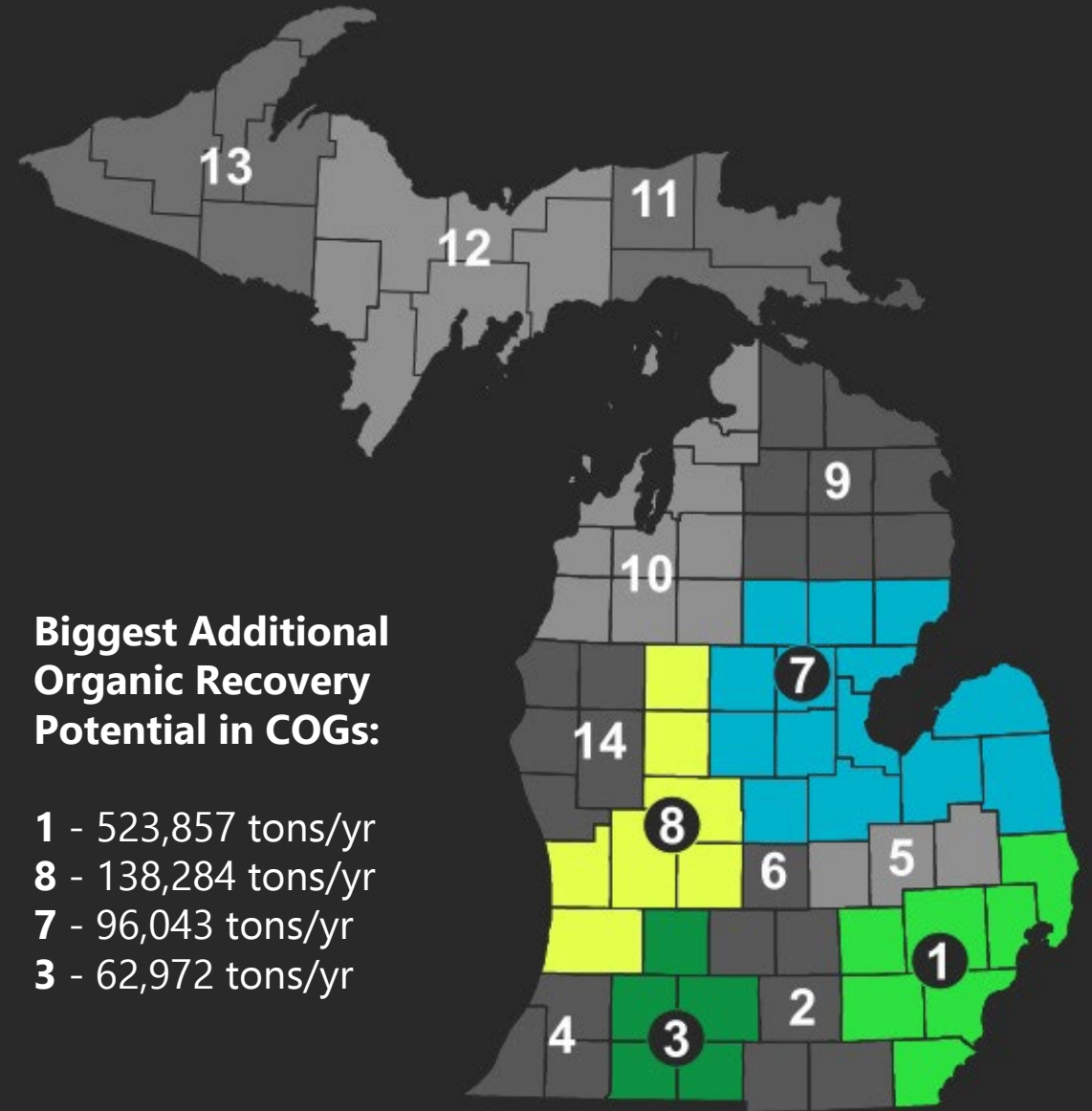
Additional Organics Recovery Potential  
(split between residential & commercial sources)



Yard Waste  
Processing  
**Good**



Food Waste  
Processing  
**Needs Improvement**







# NEXTCYCLE MICHIGAN

## BUILDING A CIRCULAR ECONOMY

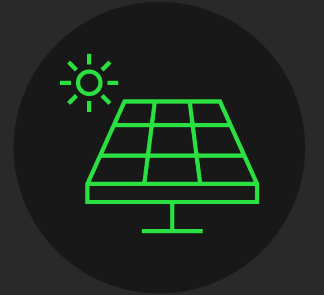
NEXTCYCLEMICHIGAN.COM  
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6 INNOVATION  
CHALLENGES



DATA GUIDING  
OPPORTUNITIES



CLIMATE  
SOLUTIONS



PUBLIC-PRIVATE  
PARTNERSHIPS



EQUITABLE  
IMPACT



ECONOMIC  
ADVANTAGES

# COLLABORATIVE NATURE

**EGL**E

**mrc**  
michiganrecyclingcoalition

**Accelerator**  
CENTREPOLIS  
at Lawrence Technological University

**RRS** 

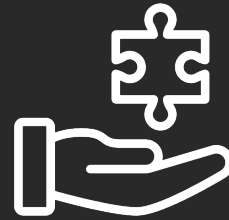
# NEXTCYCLE MICHIGAN



## INNOVATION CHALLENGES

**90** Teams Selected

**259** Applications Received



## PARTNERSHIP PORTAL

**122** Partners  
Onboarded

**\$6,727,000\*** In Sponsorship  
Commitments

**\$446.9 M** Investments  
Tracked



## DRIVING DATA

**5** Data Visualizations  
Published

**144** Resources compiled

# STATE INVESTMENT

*66 MICROS Teams selected for \$10,000 funding*



*MI Energy Solutions Solar Panel Repurpose & Recycling*



*Goodwill wood waste partnership with Daika Wood*



*Ottawa County Food Composting*

# STATE INVESTMENT

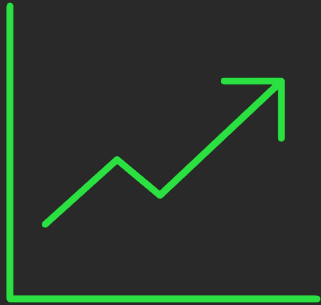
*23 NextCycle Teams in pipeline for State Recycling Grants*



# NEXTCYCLE MICHIGAN PARTNERS DRIVING INVESTMENT



# NEXTCYCLE MICHIGAN **EQUITY** POTENTIAL



New minority business enterprises and associated jobs



Community wealth building with new investments in underserved communities



Equitable and fair access to economic opportunities

# NEXTCYCLE MICHIGAN **CLIMATE** POTENTIAL

7M

Additional  
mTCO<sub>2</sub>e tons  
avoided at 45%  
goal

300K

Additional  
mTCO<sub>2</sub>e tons  
avoided at 45%  
goal for  
organics

700K

Additional  
mTCO<sub>2</sub>e tons  
avoided at  
14% food  
waste  
reduction

760K

GHG  
equivalent to #  
of household  
energy  
consumption



# MICHIGAN LEADING THE WAY



“Under the MI Healthy Climate Plan...Michigan will become an incubator for economic innovation that will create good-paying jobs for hard-working Michiganders across the state in the clean energy, climate technology and **recycling** sectors.”

GOVERNOR WHITMER

“Through our partnership with EGLE on initiatives like **NextCycle** and ambitious investments in local communities, we are committed to making recycling affordable, accessible, and easy for every Michigander. We will continue **building a circular economy in Michigan**, creating jobs, and passing our natural resources on to future generations.”

LT. GOVERNOR GILCHRIST II





NEXTCYCLE  
M I C H I G A N

CONTINUING TO BUILD A JUST CIRCULAR ECONOMY IN MICHIGAN