



INVESTING IN MICHIGAN

**The NextCycle of Recycling: Accelerating a Circular
Economy for a low carbon future**



NEXTCYCLE
MICHIGAN



MICHIGAN'S RECYCLING PATH FORWARD

6.8M

tons of
opportunity
being wasted

2.7M

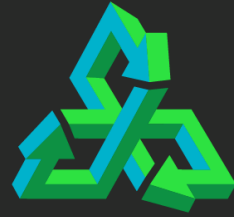
2.7M more
tons targeted
to reach 45%
goal

\$9B

potential
total annual
labor
income

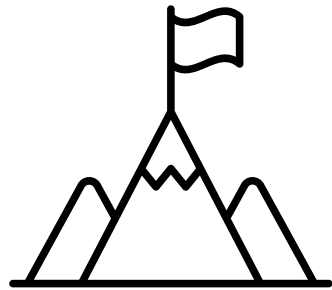
\$33B

potential
economic
output

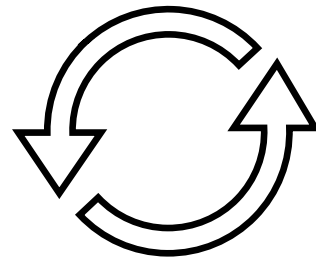


NEXTCYCLE
MICHIGAN

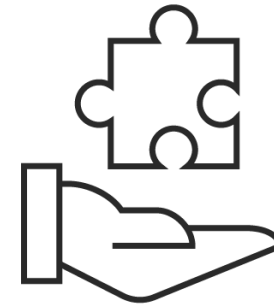
A multi-track idea incubator that provides technical support and subject matter expert mentoring to move ideas toward implementation.



INNOVATION
CHALLENGES



CIRCULAR
ECONOMY



RENEW
PARTNERSHIP
PORTAL

6 INNOVATION CHALLENGE TRACKS



FLAWS
ORGANICS PROJECTS



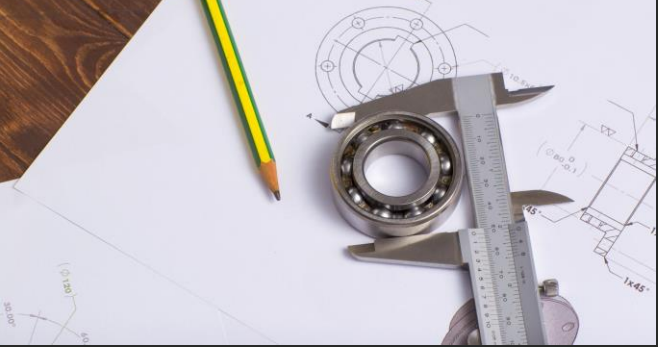
I2P3
GOVT. PARTNER



MICROS
\$10K IN FUNDING



RIT
NOVEL TECHNOLOGY



RSC
INFRASTRUCTURE



ROADS
ROADS FOCUSED



6 INNOVATION CHALLENGE TRACKS



RIT
NOVEL TECHNOLOGY



RSC
INFRASTRUCTURE



ROADS
ROADS FOCUSED



Solve solutions for Building Material waste through
Targeted Innovation Challenge Tracks

6 INNOVATION CHALLENGE TRACKS

Challenge Statements



RIT NOVEL TECHNOLOGY



Create novel material recovery and sorting technologies... new uses for recycled materials, or other innovations in sustainable materials management.



RSC INFRASTRUCTURE



Develop projects that establish, improve or expand supply chains related to the collection, processing, or end markets for recyclable materials in Michigan.



ROADS ROADS FOCUSED



Expand the use of recycled content in road and path construction

6 INNOVATION CHALLENGE TRACKS

Priority Materials



RIT NOVEL TECHNOLOGY



Comingled

Fiber

Glass, Plastics Metals

Manufacturing By-products



RSC INFRASTRUCTURE



Comingled

Fiber

Glass

Plastics

Metals

Hard to Recycle Materials

C&D



ROADS ROADS FOCUSED



Compost

Wood Waste

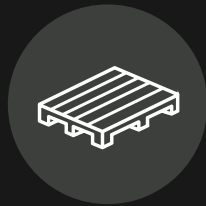
Glass

Mixed Plastics

Asphalt Shingles

Scrap Tires

Up to ½ of recyclable materials are outside of traditional programs, including building and construction materials



PALLETS



PAINT & SUPPLIES



TEXTILES

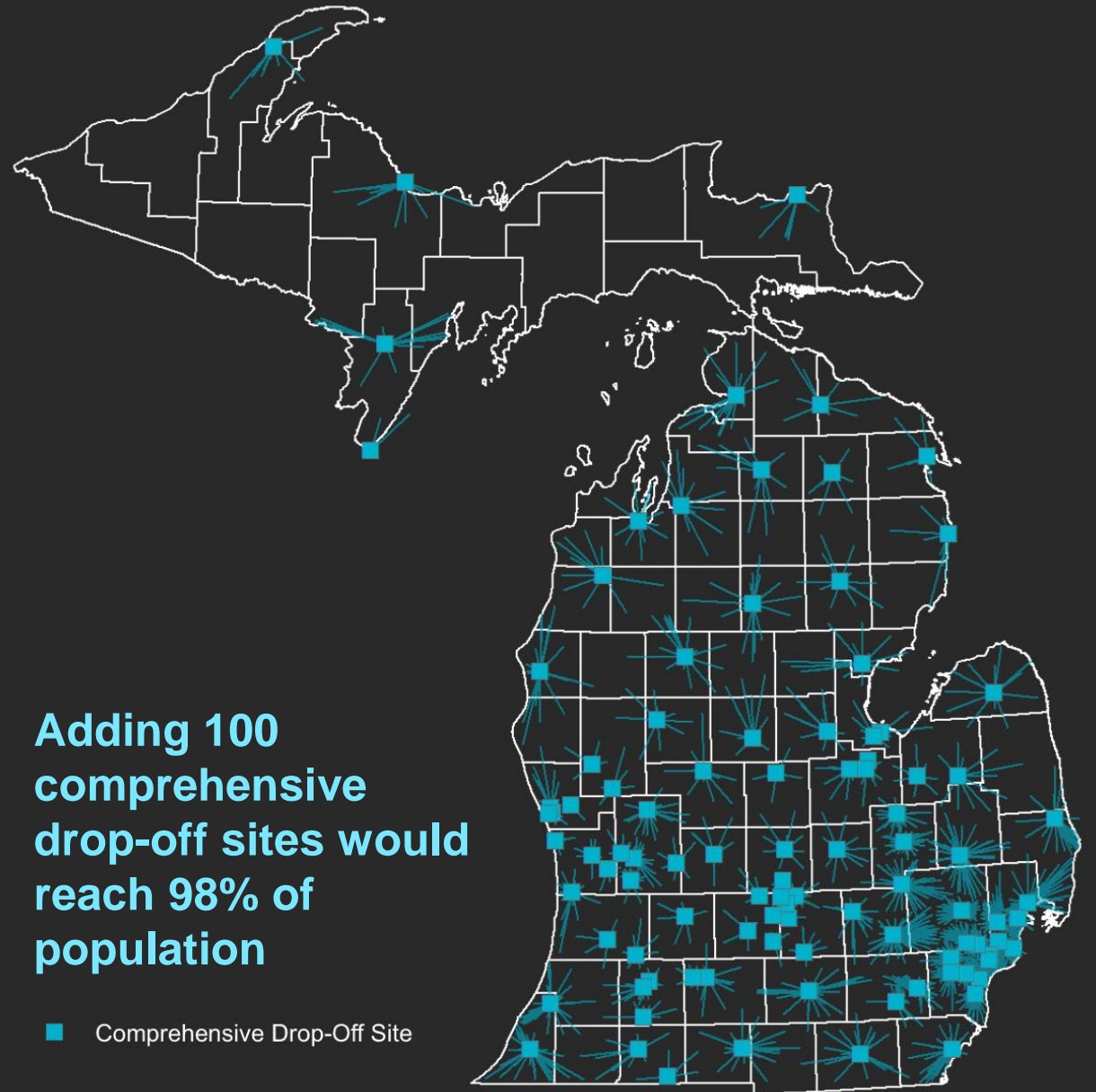


ELECTRONICS



LOTS OF OTHERS

End Markets, Supply Chain solutions, and innovation can address these opportunities



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

■ Comprehensive Drop-Off Site

BENEFIT FROM SCALE OF SOLUTIONS THROUGH PARTNERSHIPS: **BUILD A TEAM**

Scaling through collaboration...

- **Builds capacity** to implement needed solutions
- Helps ensure **volume of recycling to incentivize and attract** local processing, new business opportunities, and end markets.
- **Accelerates innovation** opportunities to support resiliency

74% of jurisdictions statewide are already or interested in collaborating on recycling

MI LOCAL ENERGY SURVEY SEPT 2020

6 INNOVATION CHALLENGE TRACKS

Upcoming Deadlines



RIT
NOVEL TECHNOLOGY



Applications Due
August 11th



RSC
INFRASTRUCTURE



Applications Opening
October 2021



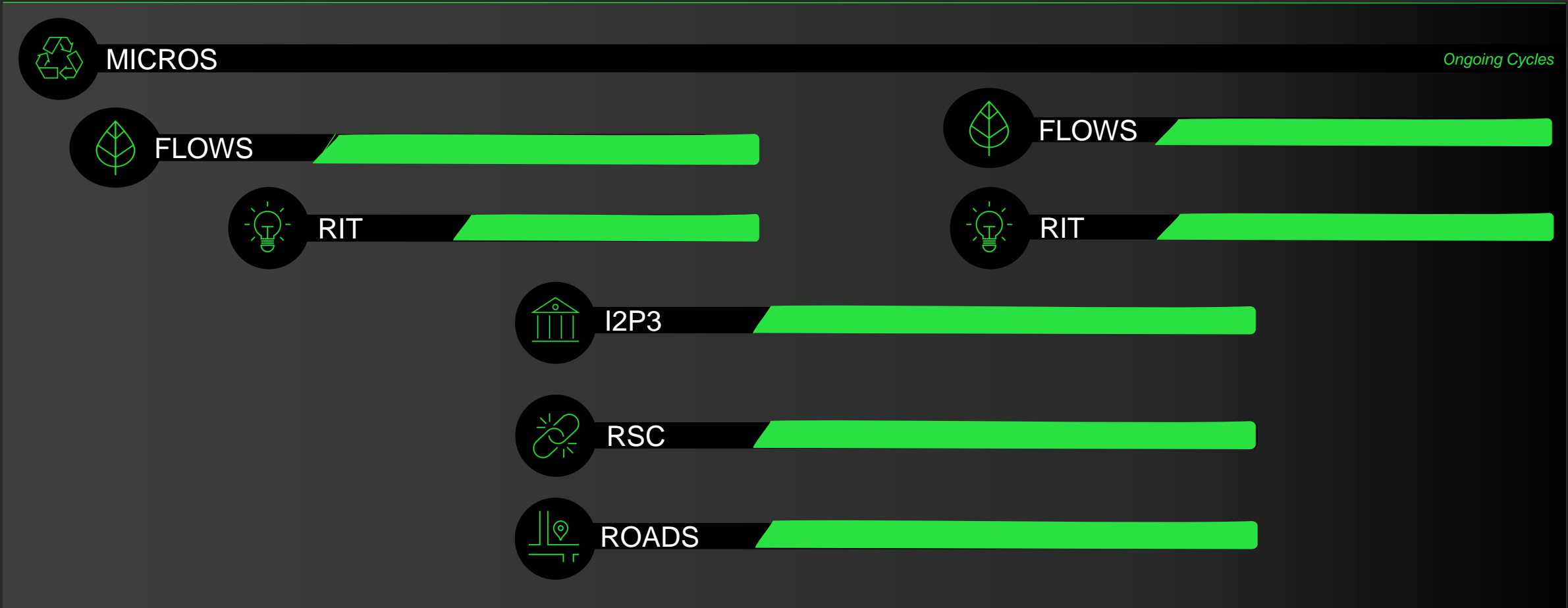
ROADS
ROADS FOCUSED



Applications Opening
October 2021

2 YEAR TIMELINE

Mar. '21 Apr. '21 May '21 Jun. '21 Jul. '21 Aug. '21 Sept. '21 Oct. '21 Nov. '21 Dec. '21 Jan. '22 Feb. '22 Mar. '22 Apr. '22 May '22 Jun. '22 Jul. '22 Aug. '22 Sept. '22 Oct. '22 Nov. '22 Dec. '22





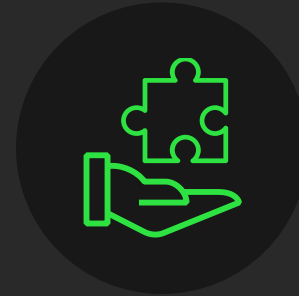
NEXTCYCLE
MICHIGAN



6 INNOVATION
CHALLENGES



DATA & MENTORING
RESOURCES



PUBLIC-PRIVATE
PARTNERSHIPS



PUBLIC & PRIVATE
FUNDING



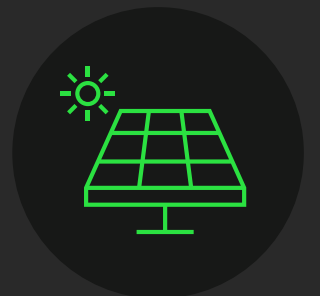
ECONOMIC
ADVANTAGES



EQUITABLE
IMPACT



CIRCULAR
ECONOMY
CREATION



CLIMATE
CHANGE
REDUCTION

GET INVOLVED

Spread the Word

Contemplate Your Role

Visit Website + Join Mailing List

Connect with Renew
Partnership Portal

Build the Data Room