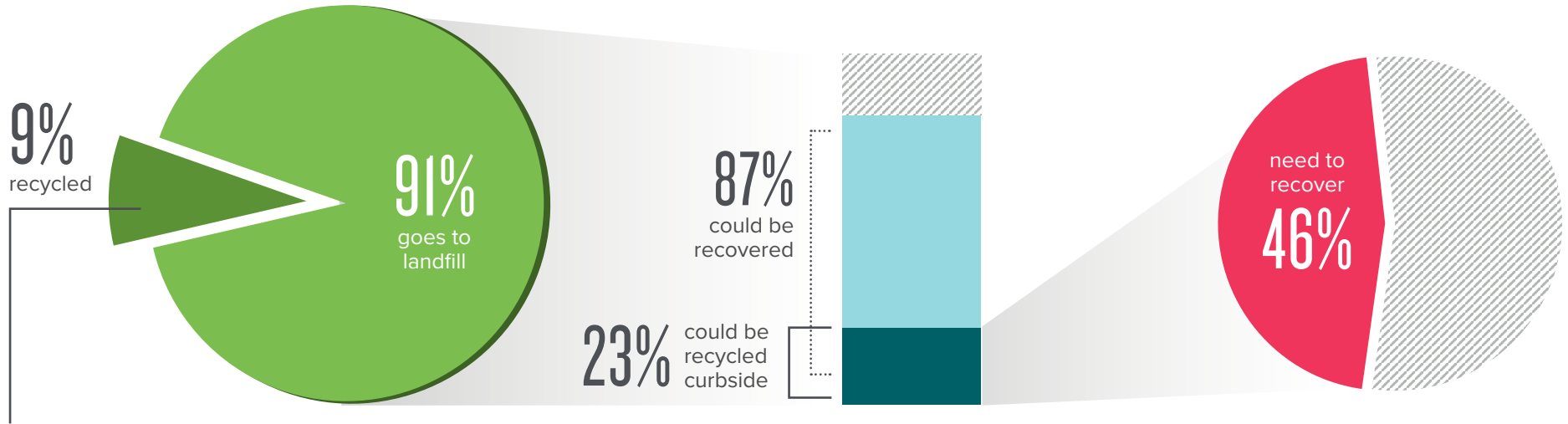


# GENESEE COUNTY SOLID WASTE MANAGEMENT ROADMAP

JULY 2020 • PREPARED BY RRS | RECYCLE.COM



# CURRENT STATE OF RECOVERY

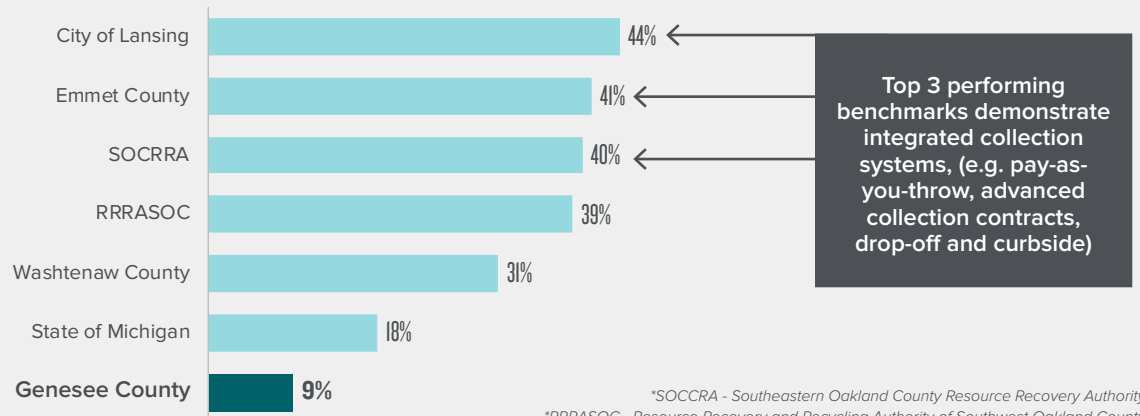


Genesee County's diversion rate (recycling + composting) is currently **9%**. This means **91%** of materials collected are going to the landfill.

Of the material being landfilled, **87%** could be recovered. **23%** are **curbside recyclables** (paper, metal, glass, cardboard, plastic).

In order to support a Materials Recovery Facility (MRF), Genesee County would have to recover **46%** of the **curbside recyclables** that wound up in **the landfill**.

## HOW DOES GENESEE COUNTY'S RECYCLING AND COMPOSTING RATE COMPARE ACROSS THE STATE?



\*SOCRRRA - Southeastern Oakland County Resource Recovery Authority  
 \*RRRASOC - Resource Recovery and Recycling Authority of Southwest Oakland County

# WHERE DOES GENESEE COUNTY NEED TO FOCUS TO IMPROVE RECOVERY OF CURBSIDE RECYCLABLES?

The solid waste management system was compared to national best practices of well functioning materials management systems.



## **COLLECTION: 33%**

Below average due to low households with carts and lack of multi-family access.



## **PROCESSING: 40%**

Below average due to limited processing capacity in County and distance to out-of-county MRFs.



## **END MARKETS: 75%**

Above average due to local recycling end markets (paper mills using recovered paper, plants using recovered plastics, etc.) in Michigan and the Midwest.



## **SUPPORTING POLICIES: 33%**

Below average due to limited policies to encourage recycling.



## **EDUCATION & OUTREACH: 67%**

Average score due to GCMPC education activities which can be strengthened with funding and coordination.



## **PUBLIC PRIVATE PARTNERSHIPS: 10%**

Well below average due to lack of leveraging partnerships

COMPARED TO NATIONAL BEST MANAGEMENT PRACTICES, GENESEE COUNTY SCORES BELOW AVERAGE IN **SEVERAL KEY AREAS.**

# RECOMMENDATIONS FOR IMPROVING CURBSIDE RECOVERY



## IMPLEMENT KEY PROGRAM ACTIVITIES

- County Adopt Sustainable Program Goals
- County Require Recycling Tonnage Reports from Haulers
- Communities Enhance Recycling Engagement
- County Implement Education/Outreach Program
- County Convene Stakeholder Advisory Committee



## ENHANCE COLLECTION (INTEGRATED COLLECTION SYSTEM)

- Communities Collaborate on Waste Service Contracts
- Communities Expand Recycling Programs to Mandatory Wheeled Cart-based
- County Develop and Construct Limited Service Drop-off (DOS)
- County Develop and Construct a Basic Service Drop-off as a Second Drop-Off Location in the County For Additional Convenience



## PLAN TO DEVELOP FACILITIES

- County Develop and Construct a Full Service Drop-off and Recycling Transfer Station






# INVESTMENT

	BASIC SERVICE DOS	LIMITED SERVICE DOS	FULL SERVICE DOS
TOTAL CAPITAL COST	\$67K	\$720K	\$2.7M



# ROADMAP TO IMPROVING CURBSIDE RECOVERY

To improve the efficiency and effectiveness of recycling in the near term, RRS has developed a phased roadmap to increase single stream recycling

	PHASE 1	PHASE 2	PHASE 3
 <b>COLLECTION</b>	<ul style="list-style-type: none"> <li>Identify recycling contract expiration dates</li> <li>Develop contracting plan that results in synchronization of contracts within 3 years. Seek 1-year contract extension for communities with contracts that expire in 2020.</li> </ul>	<ul style="list-style-type: none"> <li>Sync up contract schedules for initial collaboration on contracting for 13 communities whose contracts expire in 2020 and 2021</li> <li>Apply for grants to purchase curbside carts that coincides with new service contracts</li> </ul>	<ul style="list-style-type: none"> <li>Recycling contract collaboration</li> <li>Implement Cart based recycling in communities with new contracts</li> <li>Develop and construct Limited Service DOS</li> <li>Evaluate potential sites for Basic Service DOS and initiate site approvals</li> <li>Evaluate coordinated contracting with MRFs for all tons from collaborating communities</li> </ul>
 <b>PROCESSING</b>	<ul style="list-style-type: none"> <li>Evaluate potential sites for Limited Service DOS site and initiate site approvals</li> <li>Develop site specific design and feasibility study for limited Service DOS and Full Service DOS</li> </ul>	<ul style="list-style-type: none"> <li>Evaluate coordinated contracting with MRFs for all tons from collaborating communities</li> </ul>	<ul style="list-style-type: none"> <li>Initiate a dialogue with adjacent Counties related to the feasibility of developing a regional MRF</li> </ul>
 <b>END MARKETS</b>	<ul style="list-style-type: none"> <li>Identify MRF partners for single stream processing in regional counties</li> </ul>	<ul style="list-style-type: none"> <li>Coordinate with local end markets to provide manufacturing inputs</li> <li>Identify local markets for recyclables commodities, especially for non-curbside recyclable materials</li> </ul>	<ul style="list-style-type: none"> <li>Work with the MRF to supply material to local markets</li> </ul>
 <b>EDUCATION &amp; OUTREACH</b>	<ul style="list-style-type: none"> <li>Identify measurable goals to launch an outreach campaign</li> <li>Create a library of marketing collateral</li> <li>Improve online presence</li> </ul>	<ul style="list-style-type: none"> <li>Countywide recycling education campaign</li> <li>Campaigns on target audiences/materials</li> </ul>	<ul style="list-style-type: none"> <li>Incorporate social marketing tools such as prompts, effective messages, etc.</li> <li>Survey residents to gauge awareness</li> <li>Monitor participation and material quality (contamination)</li> </ul>
 <b>POLICY</b>	<ul style="list-style-type: none"> <li>Establish County goals</li> <li>Form stakeholder group to drive planning decisions</li> <li>Require recycling tonnage reports from haulers</li> <li>Apply for grants for specific DOS facility feasibility and design studies</li> <li>Evaluate current funding mechanism for planned solid waste management system changes</li> </ul>	<ul style="list-style-type: none"> <li>Apply for grants</li> <li>On-going dialogues with communities, County, and stakeholders regarding collaboration</li> <li>Evaluate and approve management framework and funding options</li> <li>Work with communities to ensure their planning codes accommodate recycling receptacles and other policy to recycle</li> </ul>	<ul style="list-style-type: none"> <li>Continue to foster collaboration</li> <li>Require multi-family recycling</li> </ul>