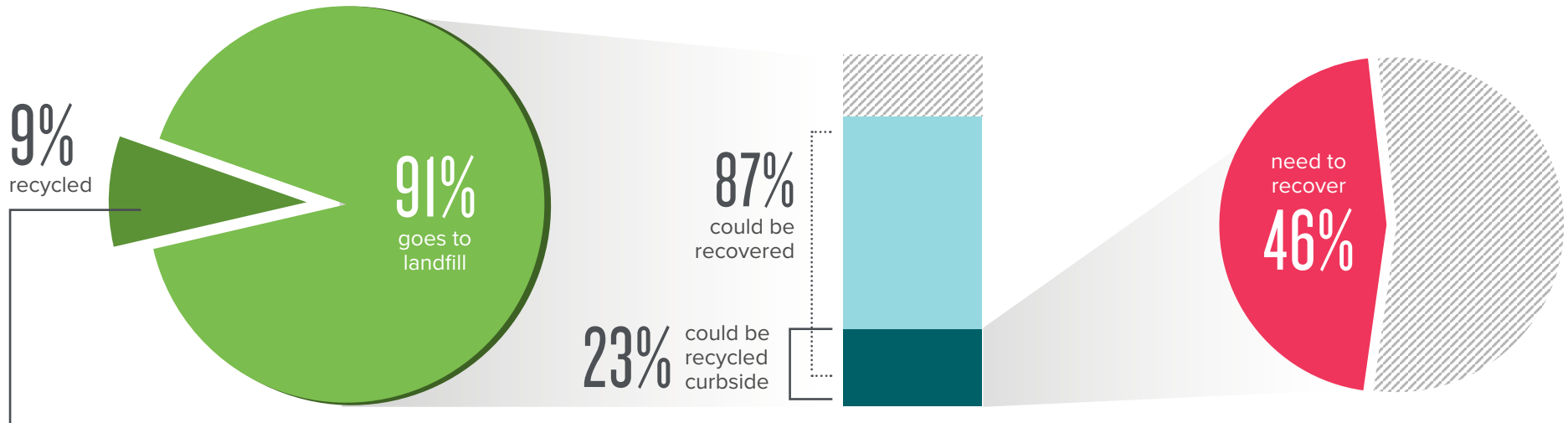


GENESEE COUNTY SOLID WASTE MANAGEMENT ROADMAP

JULY 2020 • PREPARED BY RRS | RECYCLE.COM



CURRENT STATE OF RECOVERY

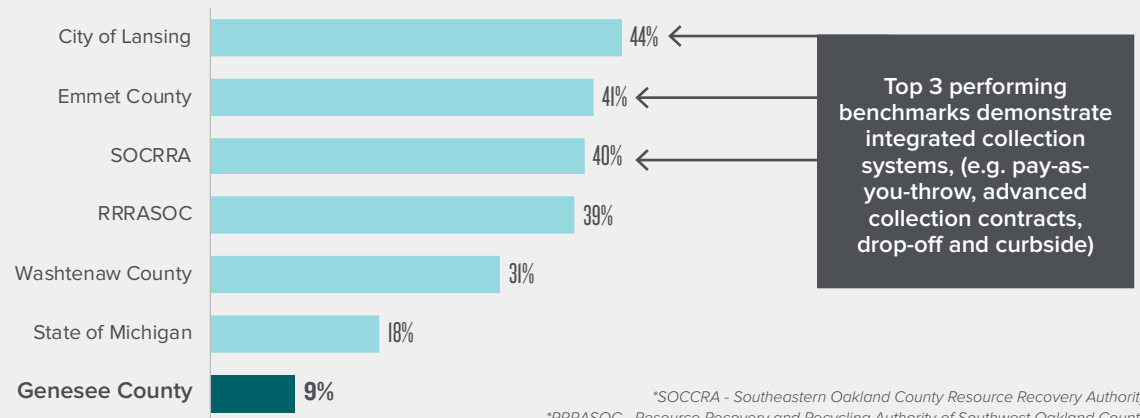


Genesee County's diversion rate (recycling + composting) is currently **9%**. This means **91%** of materials collected are going to the landfill.

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?



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