



R·R·R·A·S·O·C

2024 Annual Report

Member Communities

**Farmington
Farmington Hills
Milford
Milford Township
Novi
South Lyon
Southfield
Walled Lake
Wixom**

Board of Directors

Chairman

Gary Mekjian, City Manager, Farmington Hills

Vice Chairman

Steve Brown, City Manager, Wixom

Treasurer

Chelsea Pesta, Assistant City Manager, Walled Lake

Secretary

Fred Zorn, City Administrator, Southfield

David Murphy, City Manager, Farmington
Christian Wuerth, Village Manager, Milford
Victor Cardenas, City Manager, Novi
Paul Zelenak, City Manager, South Lyon
L. Dennis Whitt, City Manager, Walled Lake

Designated Board Alternates

Chuck Eudy, Director, Farmington Department of Public Services
Karen Mondora, Assistant City Manager, Farmington Hills
Jacob Rushlow, Director, Farmington Hills Department of Public Services
Derrick Schueller, Superintendent, Farmington Hills Department of Public Works
Mike Karll, Director, Village of Milford Department of Public Services
Jeff Herczeg, Director, Novi Department of Public Works
John Michrina, Deputy City Administrator, Southfield
Abdul Siddiqui, Director, Southfield Department of Public Works
Tim Sikma, Director, Wixom Department of Public Works

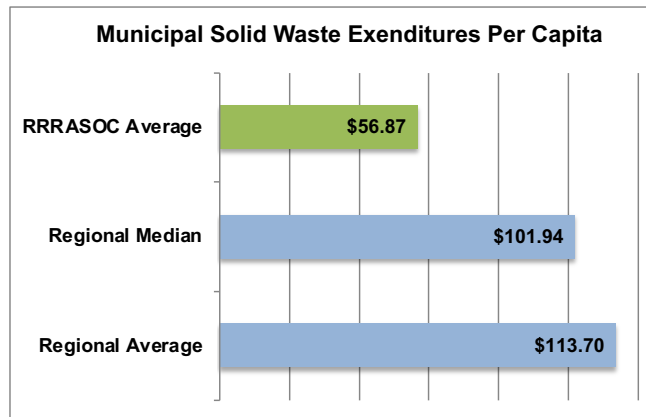
RRRASOC Staff

Michael Csapo, General Manager
Laura Shaw, Administrative Secretary
IRIS Waste Diversion Specialists, Education and Outreach Coordinators

During 2024, RRRASOC and its Member Communities continued providing cost-effective, environmentally responsible materials management programs through stakeholder collaboration, intergovernmental cooperation, and public-private partnerships. RRRASOC worked with State officials, industry stakeholders, and our communities to improve upon programs and facilities.

Notable activities and accomplishments last year included:

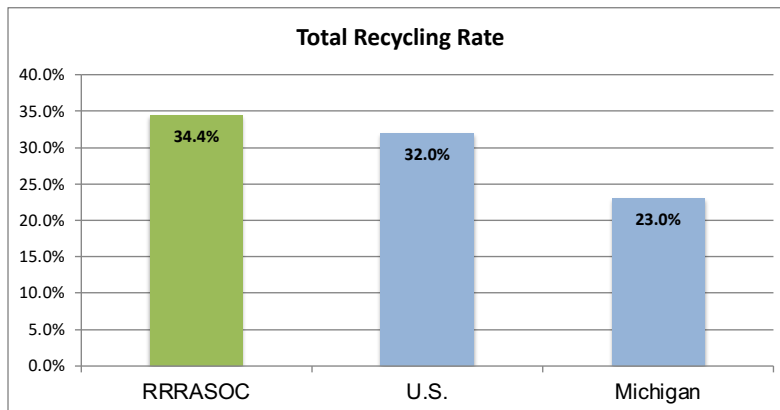
- RRRASOC completed the installation of two robotic sorters and AI scanners at the MRF, with funding from the Michigan Department of Environment, Great Lakes, and Energy (EGLE), The Recycling Partnership, the Carton Council, and the Foodservice Packaging Institute.
- RRRASOC completed an EGLE grant-funded project with IRIS Waste Diversion Specialists and The Recycling Partnership to increase multi-family recycling, as well as to improve material quality and processing safety by reducing recycling contamination.
- RRRASOC assisted the City of Wixom initiate a curbside food waste collection pilot.
- RRRASOC participated in a multi-stakeholder planning study in Southfield designed to identify opportunities to eliminate food waste.
- RRRASOC, in partnership with SOCRRA, completed Phase 1 of the development of a Storm and Disaster Debris Management Plan that will cover their 21 communities, both collectively and individually.
- RRRASOC staff was appointed to State-mandated Materials Management Planning Committees in Oakland County and Genesee County, as well as elected to the Board of Directors of the Michigan Sustainable Business Forum.
- RRRASOC continued to work with State officials and other stakeholders on the roll out of new State regulations and other legislative interests.
- The annual audit by Plante Moran of the *RRRASOC Financial Report for FY 2023 – 2024* showed that RRRASOC conducted its financial affairs in accordance with generally accepted accounting principles and that the Authority improved its financial position.
- The completion of the *FY 2024 – 2025 Solid Waste Expenditure Benchmark Study* demonstrated the continued cost-effectiveness of the programs in the RRRASOC communities.



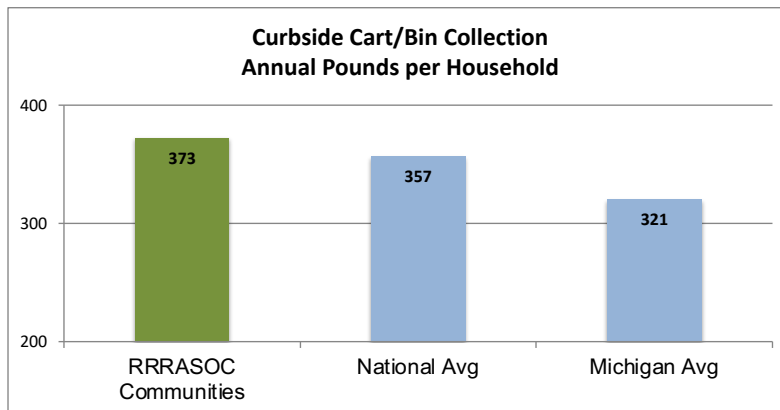
Through the RRRASOC community programs, 15,353 tons of paper, plastic, glass, and metal were recycled; 18,676 tons of yard waste were composted; 11 tons of clothing were collected for reuse; 260 tons of hazardous material were collected for recycling or disposal; and 65,439 tons were landfilled.

In total, more than 34,300 tons of recyclable and reusable material, yard waste, and household hazardous waste items were collected and diverted from local landfills through the communities' curbside collection, drop-off, and event-based programs.

The combined recycling rate of the RRRASOC communities was 34.4%, which is higher than both the U.S. and Michigan rates.



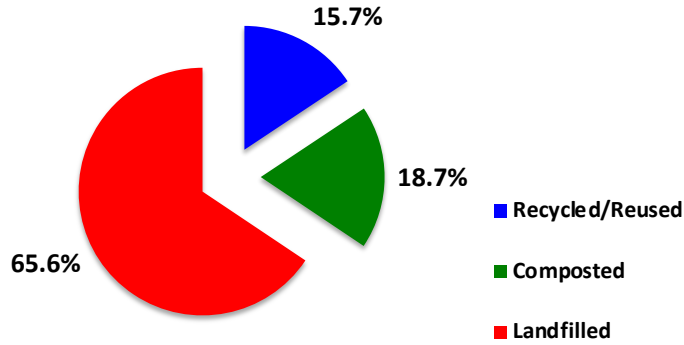
In aggregate, the RRRASOC communities collected 373 pounds per household with their curbside cart/bin collection programs, exceeding the national and Michigan averages.



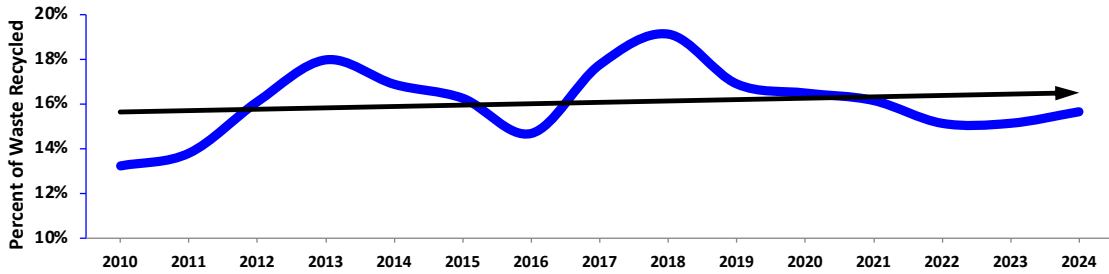
Lifecycle analysis shows that recapturing those resources for value-added economic activity also yielded significant environmental benefits, including the following:

- Conserved more than 154 billion Btu, which is the equivalent of the annual energy consumption of 1,526 households;
- Reduced CO₂e emissions by 36,156 metric tons;
- Preserved 115,411 trees;
- Reduced airborne pollution emissions by 17,287 tons;
- Reduced waterborne pollution emissions by 65 tons.

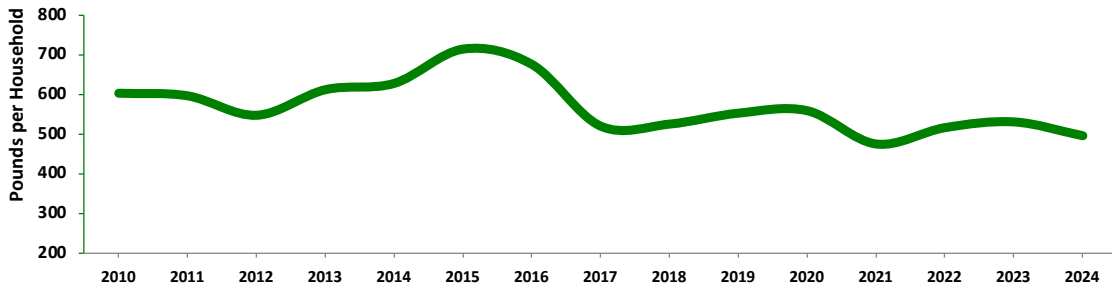
Solid Waste Disposition: 2024



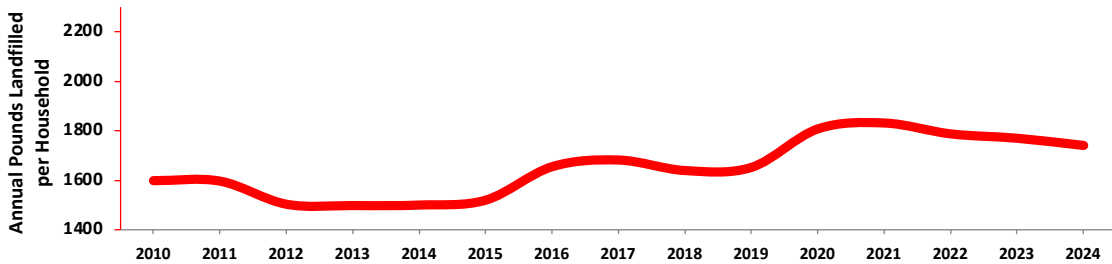
Recycling History



Composting History



Waste Generation History



RRRASOC extended its operating agreement with its contracted MRF operating partner, Republic Services, through December 31, 2025. The MRF operated two daily shifts throughout the year and continued to serve as an important part of community and commercial recycling programs throughout southeast Michigan.

Overall, the facility processed more than 56,308 tons of material during the year. The 75,100 RRRASOC area homes and the two RRRASOC drop-off centers contributed nearly 25% of the total throughput. The paper, glass, plastic, and metal that was processed at the MRF was shipped throughout the U.S., providing critical feedstock for manufacturers and the sustainable supply chain.

Capital expenditure projects included the installation of two grant-funded AI scanners and robotic sorters at the MRF, which will address chronic labor shortages, improve operational efficiency, and improve product quality.



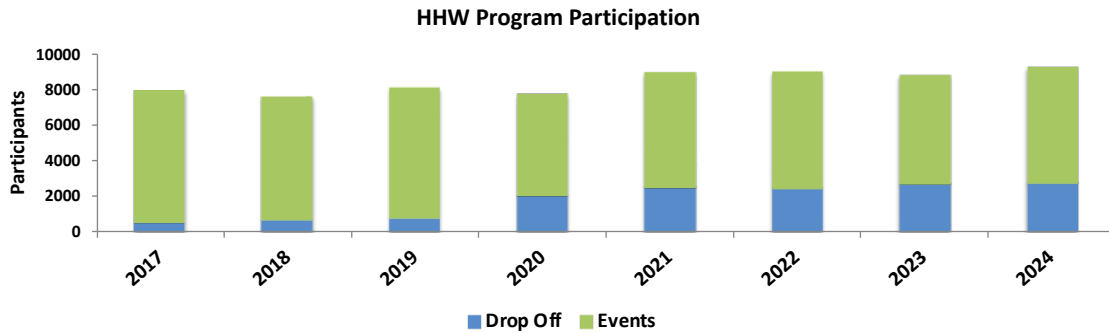
RRRASOC's Household Hazardous Waste (HHW) collection program had a record-breaking performance in 2024. Nearly 9,300 residents participated in the program, which made it the highest annual participation in program history and 5% higher than last year.

The use of the contractor's site for drop off activity set a new record, exceeding the old record set last year by nearly 2%.

Nearly 520,000 pounds of material were collected in 2024, which is 10.3% more than last year and nearly 23% more than the historic program average.

RRRASOC worked with the Michigan Department of Agriculture to increase RRRASOC's *Clean Sweep* grant to \$54,000, which facilitates the collection of pesticides throughout the region.

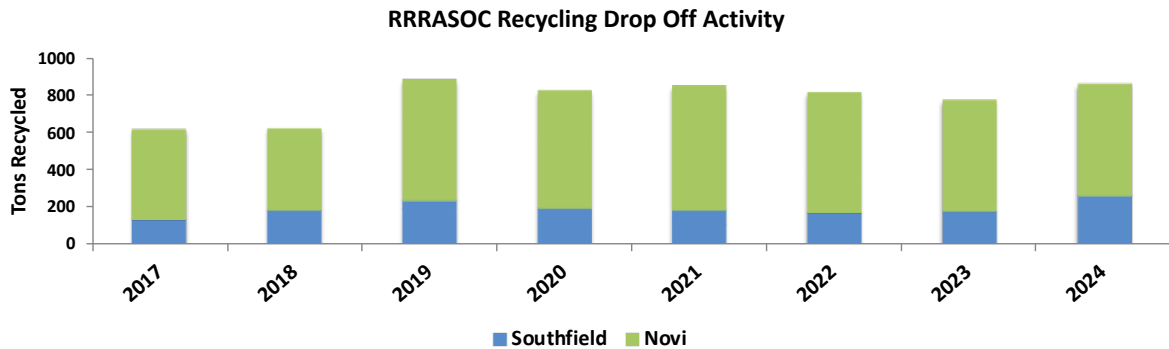
ERG Environmental Services, a local hazardous waste company, handled the material. Disposal and recycling costs through ERG continued to be among the lowest in southeast Michigan. All material was handled in accordance with state and federal laws.



RRRASOC's recycling drop-off centers continued to be a popular recycling option for residents and businesses throughout the region. Last year, nearly 860 tons were brought to the sites, which is 11.5% higher than last year and 12% higher than the average for the previous seven years.

The drop-off center in Novi accounted for nearly 600 tons of recycling, while the Southfield location contributed another 260 tons.

RRRASOC continued to work with IRIS Waste Diversion Specialists and The Recycling Partnership to promote the use of the drop off sites, reduce contamination, and improve material preparation compliance.



RRRASOC maintained a collaborative, multi-media approach to community outreach and education, leveraging partnerships with stakeholder organizations. Efforts in 2024 complemented the communication programs of our individual communities with the following:

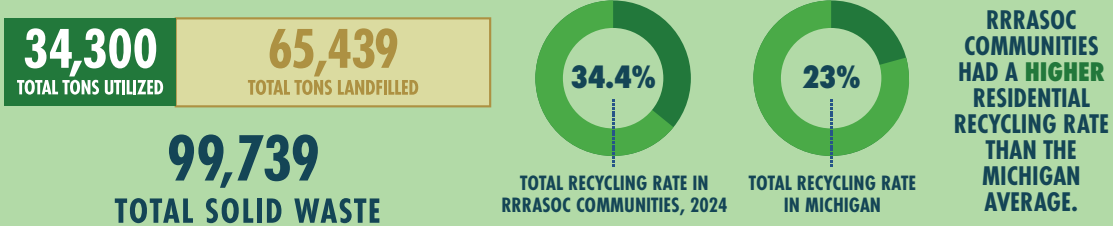
- 75,000 direct mail educational postcards;
- 22,923 first time users of the online Recycling Directory;
- 42,525 material searches by residents using our online Recycling Directory;
- More than 5,200 User Sessions with Recycling Directory mobile application;
- Subscribers to our monthly electronic newsletter increased by nearly 7%;
- 536 new resident packets were distributed;
- 60 presentations at schools and community events throughout the area;
- Quarterly reviews and recommendations for each community's website;
- Video production with Southfield Cable 15 for cable and streaming broadcast.

RRRASOC COMMUNITIES

SOLID WASTE & RECYCLING

2024 METRICS

HOW WELL ARE WE RECYCLING?



HOW MUCH DID IT COST?

(per capita)

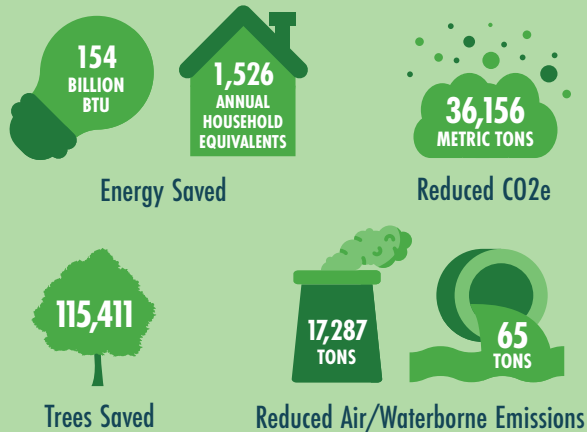
\$113.70
SOUTHEAST MICHIGAN
(regional average)

RRRASOC COMMUNITIES ONLY SPENT ABOUT HALF AS MUCH AS THE REGIONAL AVERAGE!

\$56.87
RRRASOC COMMUNITIES



ENVIRONMENTAL IMPACTS



RRRASOC

**THE RECYCLING
AUTHORITY**



R·R·R·A·S·O·C

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**Resource Recovery and Recycling Authority of Southwest Oakland County
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