



R·R·R·A·S·O·C

2015 Annual Report

Member Communities

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

Board of Directors

Chairman

Fred Zorn, City Administrator, Southfield

Vice Chairman

Lynne Ladner, City Manager, South Lyon

Treasurer

Chelsea Rodgers, Administrative Assistant, Walled Lake

Secretary

Gary Mekjian, Director, Farmington Hills Department of Public Services

David Boyer, City Manager, Farmington Hills
David Murphy, City Manager, Farmington
Christian Wuerth, Village Manager, Milford
Don Green, Township Supervisor, Milford Township
Pete Auger, City Manager, Novi
L. Dennis Whitt, City Manager, Walled Lake
Clarence Goodlein, City Manager, Wixom

Designated Board Alternates

Chuck Eudy, Director, Farmington Department of Public Services
Robert Calley, Director, Milford Department of Public Services
Rob Hayes, Director, Novi Department of Public Services
John Michrina, Deputy City Administrator, Southfield
Tim Sikma, Director, Wixom Department of Public Works

RRRASOC Staff

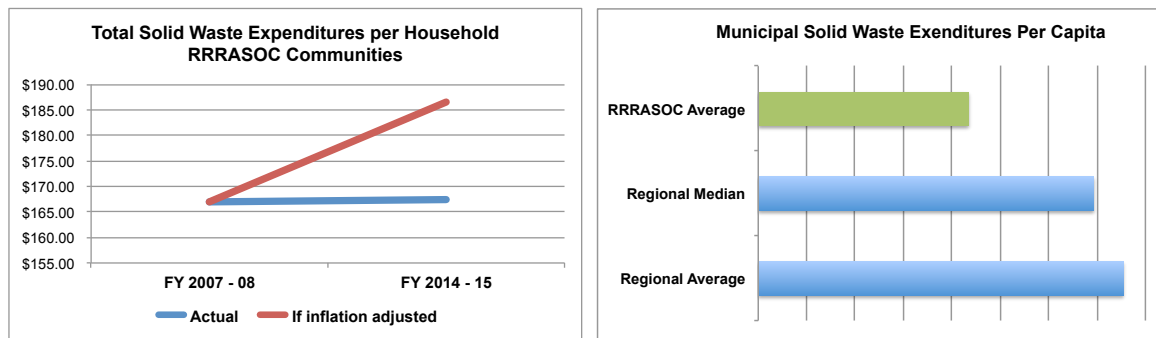
Michael Csapo, General Manager
Laura Shaw, Administrative Secretary
Tracy Purrenhage, Recycling Coordinator

**Resource Recovery and Recycling Authority of Southwest Oakland County
2015 Annual Report**

RRRASOC continued to tackle new challenges and opportunities in 2015, working to rebuild critical infrastructure, helping communities deploy best practices, and improving upon already high performing programs.

During 2015, RRRASOC expanded its service area. The Village of Milford and the Charter Township of Milford, recognizing the value of intergovernmental cooperation and public private partnerships, both requested to become members of RRRASOC. The request was endorsed by the RRRASOC Board of Directors and approved by each of the existing communities, receiving unanimous approval from each City Council.

Two RRRASOC communities – Southfield and Novi – prepared for upcoming program improvements by releasing requests for proposals for curbside solid waste and recycling services. RRRASOC worked closely with each community to ensure they are poised to take advantage of past experience, market trends, and best practices in service delivery.



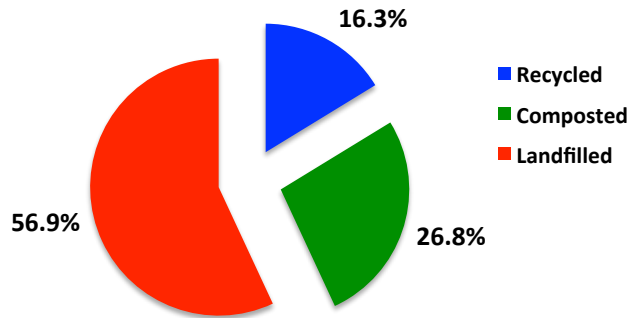
Nearly 30,156 tons of yard waste, recyclables, and household hazardous waste items were collected through the RRRASOC collection programs and diverted from local landfills. RRRASOC's overall recycling rate was 43.1%, well above Michigan's 14.5% and the national average of 34.5%. Recapturing those resources for value-added economic activity also yielded significant environmental benefits, including the following:

- Conserved nearly 113 billion Btu, the equivalent of the annual energy consumption of nearly 1,119 households;
- Preserved more than 84,589 trees;
- Reduced waterborne pollution emissions by more than 47 tons;
- Reduced airborne emissions by 12,670 metric tons of carbon equivalent.

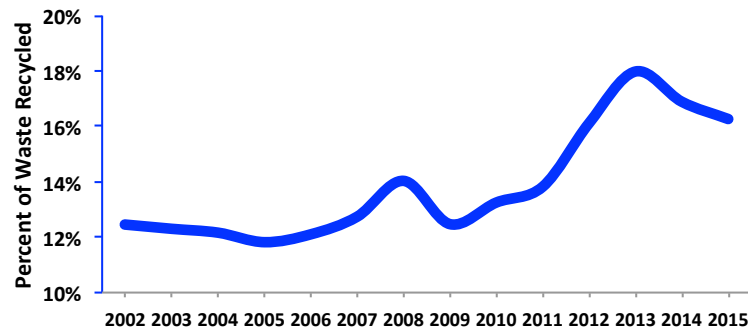
Other notable activities in 2015 included:

- RRRASOC was awarded an MDEQ Pollution Prevention grant to conduct a new outreach and education campaign in Southfield designed to improve participation in recycling and program performance.
- The Farmington City Council approved the curbside collection of clothing and household goods, in conjunction with Simple Recycling, in late 2015, with program startup anticipated for Spring of 2016.
- RRRASOC began implementation of a new online search tool for homeowners to identify how best to dispose or recycle items. A soft launch of the Waste Wizard system is anticipated for early 2016.

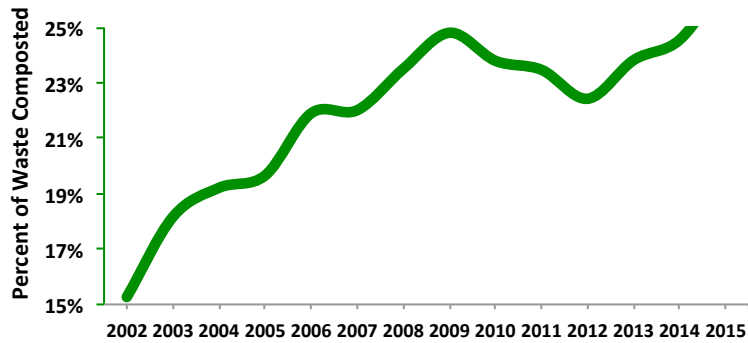
Solid Waste Disposition: 2015



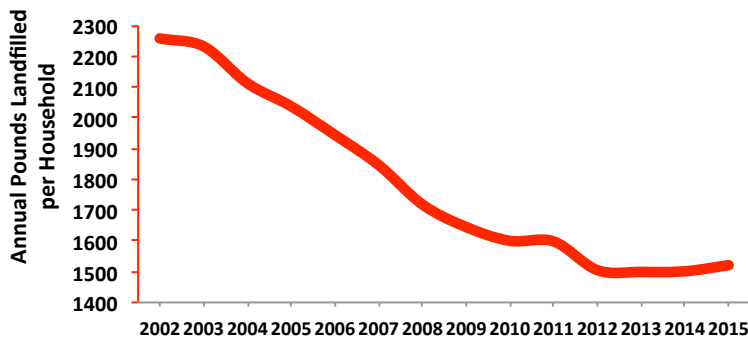
Recycling History



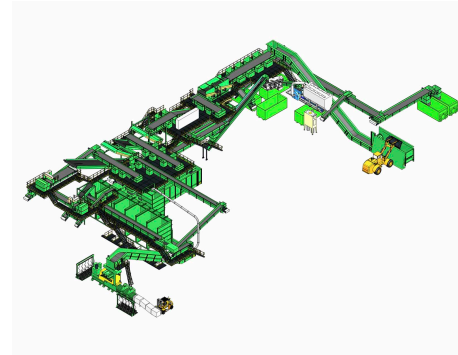
Composting History



Waste Generation History



In 2015, RRRASOC and its partner, ReCommunity Recycling, continued the process of recovering from a devastating fire that occurred at the materials recovery facility (MRF) in Southfield. Repairs to the building were completed by mid-year. The acquisition and installation of new, state-of-the-art processing equipment proceeded through the end of the year, with start up anticipated to take place in the Spring of 2016.



Meanwhile, material from curbside collection in the RRRASOC communities continued to be processed at ReCommunity's Huron Township facility. Curbside recycling from more than 52,400 RRRASOC area homes and material from the drop-off center combined for 11,065 tons of paper, glass, plastic, and metal that was processed and shipped throughout the U.S. and abroad, providing valuable feedstock for manufacturers.

Where Your Recycled Materials Go

After Michigan's recycled material is separated and baled at the local ReCommunity MRF, it is sent to a variety of reprocessing locations to be made into new products. See the map below for a sample list of commodities and common reprocessing locations.



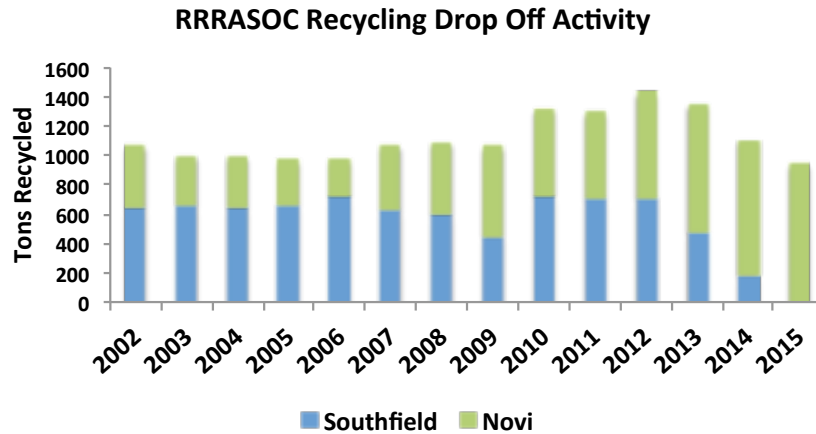
RRRASOC's Household Hazardous Waste (HHW) collection program experienced continued popularity in 2015. Overall, 5,525 residents took advantage of the opportunity to recycle and properly disposed of the hazardous material found in their homes, which was more than 3.3% above last year's performance and 21% above the average for the previous ten years.

More than 252,500 pounds of material were collected in 2015. Used electronic equipment made up 52% of the material. Lead acid and dry cell batteries comprised nearly 9.3%. Herbicides, pesticides, and other toxic products constituted 8.25% of the collected material. Motor oil was 7.2% of the total, oil-based paint was 5.7%, and other flammable liquids accounted for 4.6%. The remaining 12.4% fell into seventeen different categories or types of hazardous materials.

Environmental Recycling Group, Inc. (ERG), a local hazardous waste company, handled the material. Disposal and recycling costs through ERG continue to be the lowest in southeast Michigan. All material was handled in accordance with state and federal laws. ShredCorp also provided document shredding at each event.



RRRASOC's recycling drop-off center in Novi continued to be a popular recycling option. Last year, nearly 942 tons were brought to the site for recycling, which compares to 923 tons in the prior year.



RRRASOC provided e-waste recycling drop-off services at the DPW in the City of Wixom and four special electronic waste collection events held in Southfield and Novi. More than 223,150 pounds of e-waste were collected for recycling in 2015.



Weekly curbside collection of clothing and small household goods by Simple Recycling continued in South Lyon, Wixom, and Walled Lake. Designed to complement charitable giving by our homeowners, the program offers an opportunity to ensure that household goods that might otherwise be landfilled are reused and recycled. In calendar year 2015, 61,160 pounds were collected for reuse and recycling.

In December, the City of Farmington approved deployment of the program, which is scheduled for Spring of 2016, with review and consideration by additional communities planned for early 2016.





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