



Resource Recovery & Recycling Authority of Southwest Oakland County

20000 W. 8 Mile Rd
Southfield, MI 48075-5708
Office: 248.208.2270
www.RRRASOC.org

THE RECYCLING AUTHORITY
Since 1989

Agenda
February 22, 2024
RRRASOC Board of Directors
Regular Meeting
9:30 am

Village of Milford
Police Department Training Room
1100 Atlantic Street
Milford, MI 48381

1. Call to Order
2. Roll Call
3. Approval of Agenda
4. Audience Participation
5. Matters for Discussion/Action

A. 2023 Annual Report

B. Draft FY 2024-2025 RRRASOC Budget

C. Project Updates

- C.1. Robotics installations**
- C.2. Disaster Debris Management planning**
- C.3. Food Waste Reduction projects**
- C.4. Curbside service contracts**
- C.5. County Materials Management planning**
- C.6. Lithium-Ion Battery Policy**

6. Manager's Report
7. Other
8. Consent Agenda
 - A. Payment of Bills Report
 - B. Investment Report
 - C. Revenue and Expenditure Report
 - D. MRF Operations Report
 - E. Minutes of October 26, 2023 Regular Meeting
9. Adjournment

RRRASOC Member Communities

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



Resource Recovery & Recycling Authority of Southwest Oakland County

20000 W. 8 Mile Rd
Southfield, MI 48075-5708
Office: 248.208.2270
www.RRRASOC.org

THE RECYCLING AUTHORITY
Since 1989

To: RRRASOC Board of Directors
From: Mike Csapo, General Manager
Date: February 5, 2024

Re: **2023 Annual Report**

Action Requested

Review and accept the 2023 Annual Report.

Overview

Attached for your review and acceptance is the 2023 Annual Report. The report shows the RRRASOC communities collectively outperformed state and national averages while community expenditures were less than the regional median and average.

Among the 2023 highlights are the following:

- RRRASOC initiated the installation of a two robotic sorters and AI scanners at the MRF, with funding from the Michigan EGLE and third-party stakeholder organizations;
- RRRASOC initiated an EGLE grant-funded project to increase multi-family recycling and improve material quality by reducing drop off recycling contamination;
- The Michigan Department of Agriculture and Rural Development increased RRRASOC's Clean Sweep grant for pesticides collection;
- RRRASOC helped three communities solicit and evaluate proposals for curbside collection services;
- RRRASOC and SOCCRA began the development of a Storm and Disaster Debris Management Plan;
- RRRASOC, in partnership with its communities and others regional stakeholders, began developing opportunities for improved organics management and composting;
- The annual audit by Plante Moran of the *RRRASOC Financial Report for FY 2022 – 2023* 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 2023 – 2024 Solid Waste Expenditure Benchmark Study* demonstrated the continued cost-effectiveness of the programs in the RRRASOC communities.

Please let me know if you have any comments or questions.

RRRASOC Member Communities

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



R·R·R·A·S·O·C

2023 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

Don Green, Township Supervisor, Milford Township

Treasurer

Chelsea Pesta, Assistant City Manager, Walled Lake

Secretary

Gary Mekjian, Assistant City Manager, Farmington Hills

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
Steve Brown, City Manager, Wixom

Designated Board Alternates

Chuck Eudy, Director, Farmington Department of Public Services
Karen Mondora, Assistant City Manager, Farmington Hills
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
Patrick Ryan, Director, Southfield Department of Public Works
Tim Sikma, Director, Wixom Department of Public Works

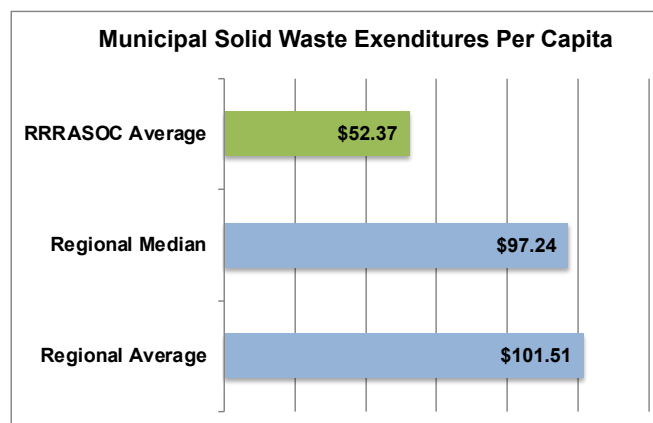
RRRASOC Staff

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

Over the course of 2023, RRRASOC and its Member Communities continued providing cost-effective, environmentally responsible materials management programs through intergovernmental cooperation and public-private partnerships. RRRASOC worked with industry stakeholders and our communities to improve upon programs and facilities, capitalizing on opportunities to deploy state-of-the-art technology and best practices.

Notable activities and accomplishments last year included:

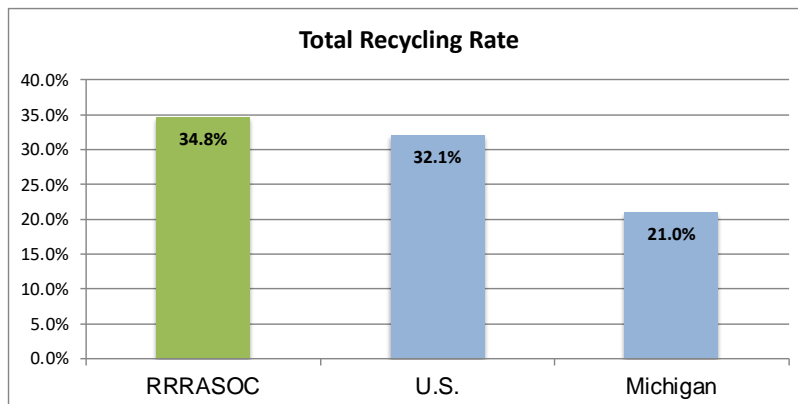
- RRRASOC initiated the installation of a two robotic sorters and AI scanners at the MRF, with funding from the Michigan Department of Environment, Great Lakes, and Energy (EGLE), The Recycling Partnership, the Carton Council, and the Foodservice Packaging Institute;
- RRRASOC initiated an EGLE grant-funded 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;
- The Michigan Department of Agriculture and Rural Development increased RRRASOC's Clean Sweep grant, helping RRRASOC facilitate the collection of pesticides throughout the region;
- RRRASOC helped three communities evaluate proposals for curbside collection services;
- RRRASOC, in partnership with SOCRRA, contracted with Tetra Tech to begin the development of a Storm and Disaster Debris Management Plan that will cover their 21 communities, both collectively and individually;
- RRRASOC, in partnership with its communities and others regional stakeholders, began developing opportunities for improved organics management and composting;
- The annual audit by Plante Moran of the *RRRASOC Financial Report for FY 2022 – 2023* 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 2023 – 2024 Solid Waste Expenditure Benchmark Study* demonstrated the continued cost-effectiveness of the programs in the RRRASOC communities.



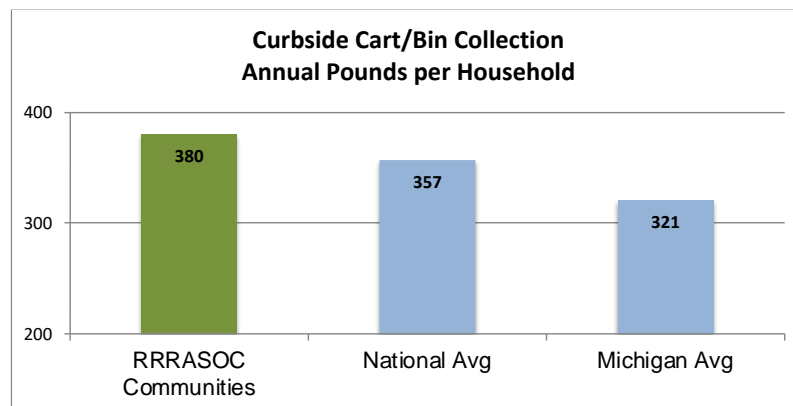
In 2023, through the RRRASOC community programs, 15,099 tons of paper, plastic, glass, and metal were recycled; 19,854 tons of yard waste were composted; 11 tons of clothing were collected for reuse; 236 tons of hazardous material were collected for recycling or disposal; and 66,090 tons were landfilled.

In total, more than 35,200 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 increased from the prior year to 34.8%, which is higher than both the U.S. and Michigan rates.



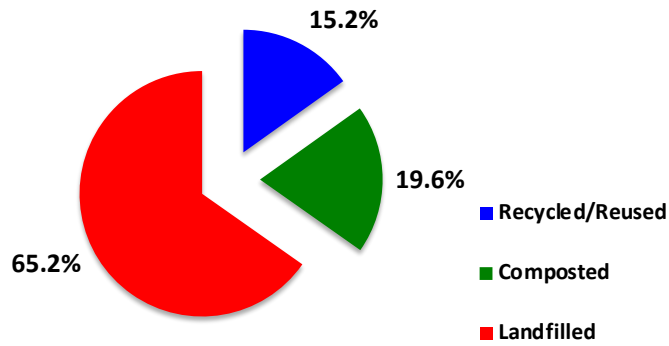
In aggregate, the RRRASOC communities collected 380 pounds per household with their curbside cart/bin collection programs, exceeding the national and Michigan averages.



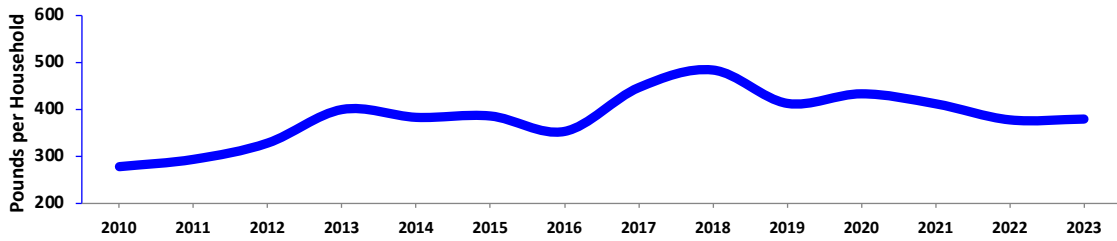
Lifecycle analysis shows that recapturing those resources for value-added economic activity also yielded significant environmental benefits, including the following:

- Conserved more than 152.2 billion Btu, which is the equivalent of the annual energy consumption of 1,507 households;
- Reduced CO₂e emissions by 33,832 metric tons;
- Preserved more than 113,990 trees;
- Reduced airborne pollution emissions by 17,074 tons;
- Reduced waterborne pollution emissions by 64 tons.

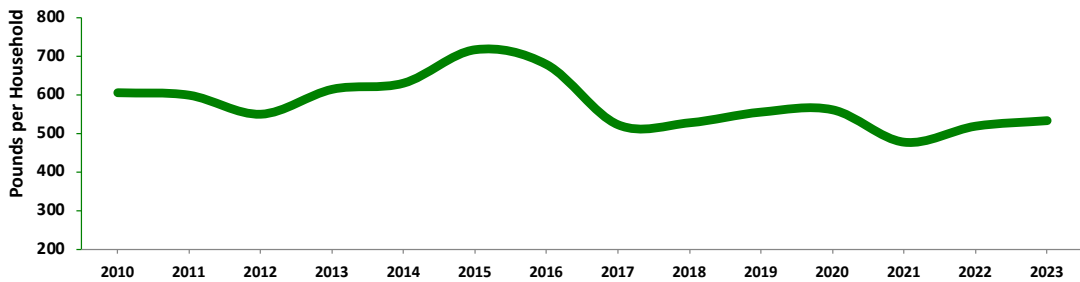
Solid Waste Disposition: 2023



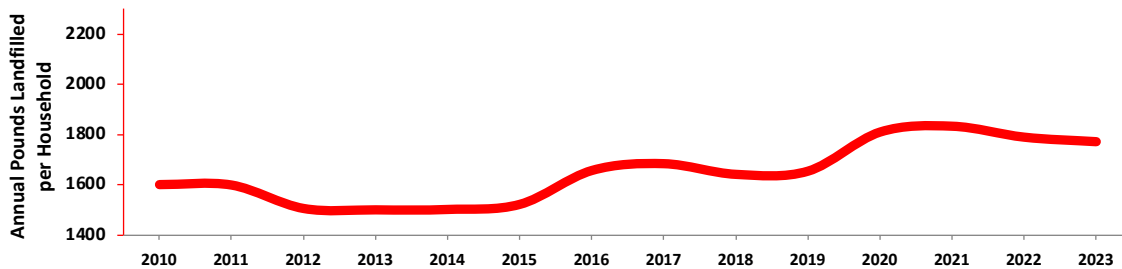
Recycling History Curbside Collection



Composting History



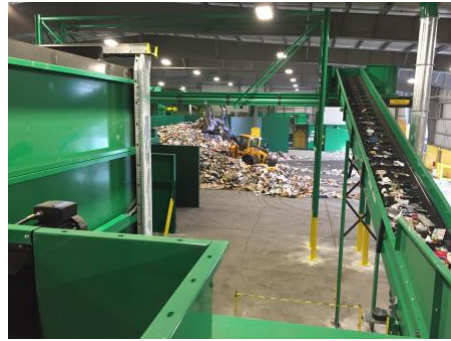
Waste Generation History



RRRASOC extended its operating agreement with its contracted MRF operating partner, Republic Services. The MRF operated efficiently through 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 48,810 tons of material during the year. The 74,600 RRRASOC area homes and the two RRRASOC drop-off centers contributed nearly 30% of the total throughput. The paper, glass, plastic, and metal that was processed at the MRF was shipped throughout the U.S. and abroad, providing critical feedstock for manufacturers and the sustainable supply chain.

Capital expenditure projects included the initial stages of installing two grant-funded 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 another solid performance in 2023. More than 8,800 residents participated in the program, which made it the third highest annual participation in program history and 6% higher than the average for the prior five years.

The use of the contractor's site for drop off activity set a new record, exceeding the old record set in 2021 by 9%.

Nearly 471,300 pounds of material were collected in 2023, which is 12% more than the historic program average.

RRRASOC worked with the Michigan Department of Agriculture to increase RRRASOC's Clean Sweep grant to \$45,000, which facilitates the collection of pesticides throughout the region.

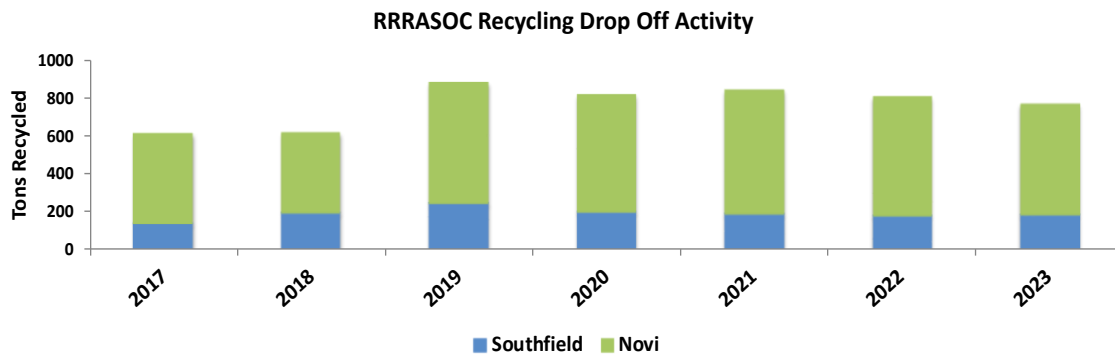
ERG Environmental Services, a local hazardous waste company, handled the material. Disposal and recycling costs through ERG continued to be among the lowest in southeast Michigan. All material was handled in accordance with state and federal laws.



RRRASOC's recycling drop-off centers continued to be a popular recycling option for residents and businesses throughout the region. Last year, nearly 771 tons were brought to the sites, which is .5% higher than the average for the previous six years.

The drop-off center in Novi accounted for more than 591 tons of recycling, while the Southfield location contributed another 179 tons.

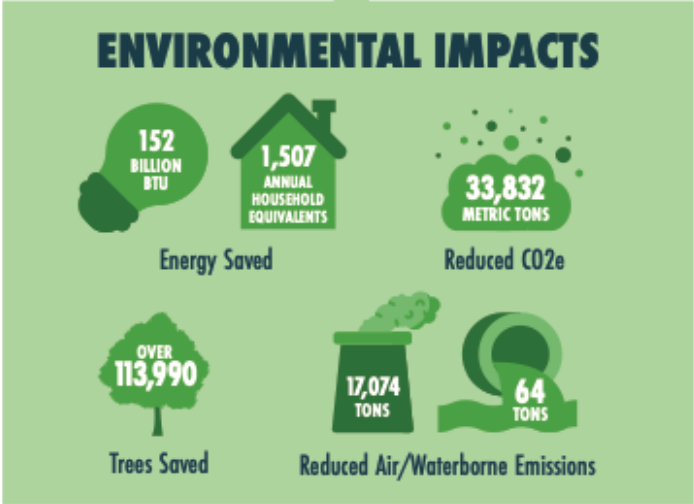
RRRASOC worked with IRIS Waste Diversion Specialists and The Recycling Partnership to conduct analysis and education surrounding the use of the Southfield site to reduce contamination and improve material preparation compliance. The project also included outreach and promotional efforts targeted to improve recycling in multi-family homes.



RRRASOC maintained a collaborative, multi-media approach to community outreach and education, leveraging partnerships with stakeholder organizations. Efforts in 2023 complemented the communication programs of our individual communities with the following:

- 89,675 direct mail educational postcards;
- 21,719 first time users of the online Recycling Directory;
- 274,000 material searches by residents using our online Recycling Directory;
- More than 5,100 User Sessions with Recycling Directory mobile application;
- Subscribers to our monthly electronic newsletter increased by more than 9%;
- 569 new resident packets were distributed;
- Participation in community events throughout the area;
- Continuous improvements were made to RRRASOC's digital and print information by IRIS Waste Diversion Specialists, with ongoing design and funding assistance from stakeholder organizations such as The Recycling Partnership, the Carton Council, and the Foodservice Packaging Institute.

RRRASOC COMMUNITIES SOLID WASTE & RECYCLING 2023 METRICS





R·R·R·A·S·O·C

20000 W. 8 Mile Road
Southfield, MI 48075
248.208.2270
248.208.2273 fax
www.RRRASOC.org

**Resource Recovery and Recycling Authority of Southwest Oakland County
2023 Annual Report**



Resource Recovery & Recycling Authority of Southwest Oakland County

20000 W. 8 Mile Rd
Southfield, MI 48075-5708
Office: 248.208.2270
www.RRRASOC.org

THE RECYCLING AUTHORITY
Since 1989

To: RRRASOC Board of Directors
From: Mike Csapo, General Manager
Date: February 14, 2024

Re: **Draft FY 2024 - 2025 RRRASOC Budget**

Action Requested

Set the public hearing for the FY 2024 - 2025 RRRASOC Budget for April 25, 2024.

Background

RRRASOC's Articles of Incorporation stipulate that the Board of Directors must review and adopt its budget and provide it to each constituent municipality prior to May 1 of each calendar year. Attached for your review and comment is the draft FY 2024 - 2025 budget, as well as the amended FY 2023 - 2024 budget.

The draft FY 2024 - 2025 RRRASOC budget includes a full range of services, near-term MRF improvements, such as robotics, incorporates grant-funded programs, and maintains the Authority's fund balance at a healthy position.

The draft and amended budgets reflect the material processed at the MRF, market-based commodity prices, and includes the host fees stipulated in the operating agreement with Republic Services. The budget also includes anticipated State and third-party grant revenue of \$219,763.

The draft budget for next year provides for a total ending fund balance of \$543,605, which is 25% of operational expenditures plus an assigned capital fund balance of \$334,753.

The attached document also includes amendments to the FY 2023 - 2024 budget. Material amendments for the current fiscal year are as follows:

- A. The beginning fund balance is adjusted to reflect the actual FY 2022 - 2023 ending fund balance;
- B. Revenue sharing items are adjusted to reflect actual and expected commodity pricing;
- C. Host fee revenue is adjusted to reflect an increase in MRF throughput;
- D. Miscellaneous income is adjusted to reflect new and carry-over grant/third-party revenue, as well as insurance claims;
- E. Contractual services is adjusted to reflect new and carry-over grant/third-party funded programming;
- F. Contractual services: drop-off is adjusted to reflect lower than expected hauling costs;
- G. Capital outlay is adjusted to reflect unplanned equipment repairs, new grant-funded projects, and carry-over activity from last year.

Recommendation

Set the public hearing for the FY 2024 - 2025 RRRASOC Budget for April 25, 2024.

RRRASOC Member Communities

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



R·R·R·A·S·O·C

Draft FY 2024 – 2025 Budget

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

Don Green, Township Supervisor, Milford Township

Treasurer

Chelsea Pesta, Assistant City Manager, Walled Lake

Secretary

Gary Mekjian, City Manager, Farmington Hills

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

Steve Brown, City Manager, Wixom

Designated Board Alternates

Chuck Eudy, Director, Farmington Department of Public Services

Karen Mondora, Assistant City Manager, Farmington Hills

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

Patrick Ryan, 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

Executive Summary

The FY 2024-2025 RRRASOC budget continues a full range of services, incorporates grant-funded programs, and maintains the Authority's fund balance in a healthy position. It also includes near-term MRF improvements, such as robotics, and long-range planning to ensure the MRF continues to cost-effectively serve the RRRASOC communities.

Fund Balance

The budget for FY 2024-2025 maintains a total ending fund balance of \$543,605, which represents an operating fund balance of 25% of operating expenditures not related to capital outlay and an assigned capital fund balance of \$334,753.

Long-term projections show the Authority's fund balance remaining healthy. However, the projections assume contractual arrangements similar to those currently in place, MRF throughput levels consistent with current projections, and commodity markets returning to near historical norms.

Revenue

The budget shows total revenue of \$809,623, of which \$403,260 or 49.8% is from member contributions. Per capita rates are set at \$1.40. Contributions are based on the 2020 Census.

Other sources of revenue combine for \$406,363. Projected from the MRF in Southfield are \$180,000 in host fees and no revenue from material sales. Revenue from these sources is highly dependent upon market prices and recyclable volumes. Projections are based on year-to-date and anticipated prices and volumes and will be adjusted as necessary to accommodate movements in the market.

Grant and third-party revenue of \$219,763 is included in the budget.

Expenditures

Expenditures for FY 2024-2025 total \$987,009. RRRASOC's efforts include activities such as anticipated MRF capital repairs, maintenance and improvements, solid waste program management and analysis, legislative and policy analysis, outreach and education, contract management, facility oversight, recycling drop-off center costs, and special collections.

810.00 – Audit Total: \$15,000
This item consists of the cost of the annual third-party audit of RRRASOC's annual financial statements.

822.00 - Contractual Services Total: \$150,000
This item consists of charges and fees associated with various contracted services, including payroll services, banking fees, data management systems, the contracted Education Coordinator, grant-funded robotics data services, and the Fire Rover fire protection system.

822.02 – Contractual Services: Drop-Off Total: \$155,800
Costs associated with vendor services and host fees at the Novi recycling drop-off center are charged to this account. Also included is the Board-approved monitoring cost for the grant-funded cameras installed in 2021.

822.03 – Contractual Services: HHW Total: \$27,000
This includes costs associated with vendor services for household hazardous waste and shredding services and special events.

836.00 - Printing/Publishing Total: \$49,500
This item includes costs associated with direct-mail postcards to inform residents about various programs, including RRRASOC's HHW collection and E-waste events. Also included in this item are costs associated with website maintenance, e-newsletter development, and the ReCollect search directory.

840.00 – Building/Property Insurance Total: \$23,909
This item includes building, property and liability insurance associated with the MRF.

850.00 – Equipment Maintenance Total: \$30,500
This item includes office equipment and preventative maintenance activities, as well as engineering review of Republic Services' MRF maintenance and repair activity.

970.00 – Capital Outlay Total: \$151,600
This item includes costs for potential major capital equipment repairs and replacement to which RRRASOC is obligated under the MRF operating agreement with Republic Services.

REVENUE						
Account	Description	Actual 2021-2022	Actual 2022-2023	Adopted 2023-2024	Amended 2023-2024	Proposed 2024-2025
580.00	Member Contributions	\$ 344,026	\$ 360,054	\$ 388,858	\$ 388,858	\$ 403,260
664.00	Interest Income	1,888	9,071	6,000	10,500	6,600
645.00	Revenue Sharing (curbside)	610,765	56,337	25,000	0	0
646.00	Revenue Sharing (drop-off)	34,281	3,195	1,200	0	0
647.00	Host Fees	270,544	177,805	126,000	180,000	180,000
671.00	Misc. Income	145,349	108,300	60,000	356,024	219,763
	Total Revenue	\$ 1,406,853	\$ 714,762	\$ 607,058	\$ 935,382	\$ 809,623
	Beginning Fund Balance (7/1)	\$ 654,508	\$ 1,236,346	\$ 929,621	\$ 1,136,612	\$ 720,991
	Total Funds Available	2,061,361	1,951,108	1,536,679	2,071,994	1,530,614
	Total Expenditures	825,015	814,496	892,195	1,351,002	987,009
	Total Ending Fund Balance (6/30)	\$ 1,236,346	\$ 1,136,612	\$ 644,483	\$ 720,991	\$ 543,605
	Assigned Capital Fund Balance	1,058,327	942,411	432,684	491,836	334,753
	Operating Fund Balance	178,019	194,201	211,799	229,155	208,852
	Operating FB %	25.0%	25.0%	25.0%	25.0%	25.0%
EXPENDITURES						
Account	Description	Actual 2021-2022	Actual 2022-2023	Adopted 2023-2024	Amended 2023-2024	Proposed 2024-2025
702.00	Supervisory Salaries	\$ 116,717	\$ 121,386	\$ 132,311	\$ 132,311	\$ 132,311
703.00	Permanent Salaries	57,761	60,072	65,480	65,480	65,480
705.00	Overtime/Bonus/Longevity	7,245	7,334	7,544	7,545	7,545
710.00	FICA	15,613	16,355	17,805	17,806	17,806
711.00	Medical/Dental Insurance	65,584	67,708	69,250	66,901	67,760
712.00	Unemployment Insurance	1,045	1,498	1,046	1,216	532
713.00	Workers Compensation	586	785	800	872	872
715.00	ICMA RC	22,389	25,005	27,412	27,412	27,412
727.00	Operating Supplies	37	0	750	250	250
728.00	Office Supplies	1,406	870	2,000	1,500	1,500
729.00	Postage & Mailing	15,707	16,447	17,400	17,400	17,400
730.00	Magazines/Periodicals	76	76	80	80	80
810.00	Audit	12,690	14,720	15,000	14,650	15,000
811.00	Consulting Services:Engr.	0	10,000	0	0	0
812.00	Consulting Services:Legal	0	3,091	5,000	4,000	4,000
821.00	Membership Dues	783	850	1,000	850	850
822.00	Contractual Services	99,471	133,652	150,800	238,365	150,000
822.02	Contractual Services: Drop-Off	164,866	157,066	165,000	155,416	155,800
822.03	Contractual Services: HHW	25,958	24,547	30,000	27,000	27,000
830.00	Utilities	6,987	6,523	6,480	5,880	5,880
831.00	Vehicle Allowance	4,800	4,800	4,800	4,800	4,800
835.00	Community Relations	6,610	7,663	8,700	9,300	9,300
836.00	Printing/Publishing	49,049	48,498	48,915	49,409	49,500
840.00	Building/Liability Insurance	23,478	23,557	26,593	23,909	23,909
850.00	Equipment Maintenance	10,987	20,850	26,888	30,247	30,500
851.00	Building/Grounds Maintenance	0	0	1,700	500	500
852.00	Office Equipment Rental	720	478	0	0	0
860.00	Conferences & Workshops	0	0	2,000	500	500
890.00	Expenses & Mileage	845	849	2,500	1,250	1,250
970.00	Capital Outlay	112,939	37,693	45,000	434,381	151,600
975.00	Computer Software	645	818	685	2,172	2,172
978.00	Office Equipment	21	1,305	2,500	4,600	500
979.00	Contingency	0	0	6,757	5,000	15,000
	Total	\$ 825,015	\$ 814,496	\$ 892,195	\$ 1,351,002	\$ 987,009



20000 W. 8 Mile Road
Southfield, MI 48075
248.208.2270
248.208.2273 fax
www.RRRASOC.org



Resource Recovery & Recycling Authority of Southwest Oakland County

20000 W. 8 Mile Rd
Southfield, MI 48075-5708
Office: 248.208.2270
www.RRRASOC.org

THE RECYCLING AUTHORITY
Since 1989

To: RRRASOC Board of Directors
From: Mike Csapo, General Manager
Date: February 15, 2024

Re: **Robotics Installations**

Action Requested

No action necessary at this time.

Overview

As the Board is aware, the grant-funded sorting robot has been installed on the MRF residue line. The robot is designed to assist the manual sorter(s) capture recyclable material that was not captured upstream in the processing system.

The AI scanner cameras associated with this project were installed in December. Those cameras will not only drive the robot's actions but will gather important data about the robot performance and material composition on the commingled container line and the residue line.

Another grant-funded robot is being designed for the commingled container line. Installation is expected to take place in July. This robot will capture polypropylene containers, which are currently intended to be captured manually. The robot will fill a sorting need that often goes unfilled due to chronic labor shortages.

Grants for the robots are from EGLE, The Recycling Partnership, the Foodservices Packaging Institute, and the Carton Council. Republic Services has contributed installation assistance and will perform necessary preventative maintenance. The total value of the two projects is approximately \$598,000, with RRRASOC's share being \$61,000. The expenditures (capital and services) and associated grant revenue will span FY 2023-24 through FY 2026-27.

Please let me know if you have any comments or questions.

RRRASOC Member Communities

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

RRRASOC SOCRRA Disaster Debris Management Plan Project Status Report



Period ending:	1/25/2024
Project manager:	Brian Rutherford
Has the scope or deliverables changed?	No
Target dates missed?	No
Estimates changed?	No
Have there been new issues?	No

Provide comments if “Yes” has been marked on any of the above:

-

Accomplishments this Reporting Period

- Conducted a call with Pleasant Ridge.
- Conducted a call with Southfield.
- Conducted a call with the Chief of Environmental Health with the Oakland County Health Division.
- Received information from Michigan EGLE on DMS regulatory oversight.
- Tetra Tech’s GIS staff have coordinated to collect needed GIS information from the County.
- Continued plan development.

Planned Activities for Next Reporting Period

- Schedule and conduct calls with any remaining stakeholders.
- Collect remaining data from jurisdictions (mainly equipment lists from Southfield, Huntington Woods, Oak Park, Royal Oak, and Troy).
- Coordinate with Michigan EGLE for latest DMS guidance.
- Continue plan development.

Project Phases

Phase	Target Date	Actual Date	Status
Task 1: Project Initiation & Management Responsibility			
Project Planning Meeting	October 17, 2023	October 17, 2023	Complete
Work Plan	October 24, 2023	October 17, 2023	Complete
Project Kickoff Meeting	November 16, 2023	November 16, 2023	Complete
Task 2: Data Gathering			
Data Gathering (including online meetings with jurisdictions)	November 2023 through January 2024		In progress
Task 3: Draft DDMP Development			
Draft DDMP	November 2023 to March 2024		In progress
Task 4: Draft Plan Review and Finalization			
Review of draft DDMP	March 2024		

RRRASOC, SOCRRA, and Michigan State Police review of plans.	April 2024		
Task 5: Training and Orientation			
Board of Directors Training	May 2024		
Community Member Training	May 2024		



Resource Recovery & Recycling Authority of Southwest Oakland County

20000 W. 8 Mile Rd
Southfield, MI 48075-5708
Office: 248.208.2270
www.RRRASOC.org

THE RECYCLING AUTHORITY
Since 1989

To: RRRASOC Board of Directors
From: Mike Csapo, General Manager
Date: February 15, 2024

Re: **Food Waste Reduction Projects**

Action Requested

No action necessary at this time.

Overview

New Federal and State programs and policies are demonstrating an increased emphasis on food waste reduction and composting. RRRASOC is engaged in the following two related projects to decrease food waste and increase composting.

In conjunction with the City of Wixom, GFL, and Spurt Industries, a pilot project is being developed wherein residents will be able to include kitchen scraps with yard waste for curbside collection. The necessary contract amendment and MOU have been prepared. An education program is under development and will be presented to Wixom for review and consideration.

A grant-funded, multi-stakeholder project to develop a plan to reduce food waste across all sectors in the City of Southfield is underway. Attached are slides from the January 30, 2024 Kick Off meeting.

Both projects will be discussed in more detail at the Board meeting. In the meantime, please let me know if you have any comments or questions.

RRRASOC Member Communities

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

Zero Food Waste Pilot

Kick-Off Meeting
January 30, 2024

MAKE FOOD
NOT WASTE


1

Agenda

- > Welcome and Pilot Goals
- > Food Waste in Southfield
- > Timeline and Work Schedule
- > Break + Gallery Walk
- > Questions
- > Next Steps and Meeting Dates

2

Pilot Inspiration



3

Why Elimination?

- > **2030 Goal:** Reduce food waste **by 50%** statewide
- > Clear **goal**
- > Eliminate food waste in top **15 most populated cities** = 50% statewide reduction

4

Why You?

- > Local and national **experts**
- > Representation across EPA **Wasted Food Scale**
- > Big plans need a **big braintrust!**

5

Our Mission

- > Develop an **actionable plan** to ELIMINATE food waste in Southfield
- > Research and legwork for **implementation**
- > Create a **model** for eliminating food waste in other urban areas

6

Our Mission

- > Understand **opportunities** for and **barriers** to reduction
- > Create **action plans**
 - Focusing on upstream solutions
- > Identify education **messages** and **campaigns**
- > Recommend changes to municipal **policy** and **public engagement**

7

Our Mission

- > **Research**
- > Develop **models** to estimate GHG reduction and costs to implement various strategies
- > Prepare **metrics and processes** for evaluating success
- > Outline specific **funding requirements** to implement the plan


8

Our Approach

- > Spirit of **joy** and opportunity, not shame, punishment, or doom and gloom
- > Think **synergistically** - how to solve multiple problems at once
- > **Be creative!**

9

Who's In the Room?



Johnson Space Center, Houston, TX
© 2004 NASA/JSC/Johnson Space Center in Houston - The Vote Message

10

Who's In the Room?

Project Management/Support

- > Danielle Todd, MFNW
- > Stephanie Osborn, Giffels Webster

11

Who's In the Room?

Policy	Culture Change and Messaging	Food Rescue	Composting and Organics Recycling	Cross-Sectional	Data
Southfield and Oakland County	Work Department	Metro Food Rescue	FoodPLUS Detroit	Make Food Not Waste	RRS
Dearborn and Troy	College for Creative Studies	Forgotten Harvest	CO Sustainability	EPA	
			MyGreenMI	Natural Resources Defense Council (NRDC)	
			Elle Phénix	World Wildlife Fund (WWF)	
			RRRASOC	Harvard	

12

**Small
(but Mighty!)
Groups**

- ▶ Culture change and messaging
 - Lilly, Fatema, Denise (Work Department)
 - Susan (College for Creative Studies)
 - Julie (EPA)
 - Andrea (NRDC)
- ▶ K-12 Schools
 - Lanie (Harvard)
 - Alex (WWF)

13

**Small
(but Mighty!)
Groups**

- ▶ Food Rescue
 - Chad (Metro Food Rescue)
 - Anne/Sheila (Forgotten Harvest)
- ▶ Food End of Life/Organics Recycling
 - Mark (CO Sustainability)
 - Jennifer (MyGreenMI)
 - Renee (FoodPLUS Detroit)
 - Roger (Finite Phoenix)
 - Mike (RRRASOC)

14

**Small
(but Mighty!)
Groups**

- ▶ Data (RRS)
 - Cory, Hunt, Nicole, Yahang, Elisa, Elizabeth
- ▶ Government Role
 - Souzan (City of Southfield)
 - Kelly (Oakland County)
 - Andrea (NRDC)
 - Meg (City of Troy)
 - Samir (City of Dearborn)

15

What and Who Are We Missing?



16

Southfield by the Numbers

- > 75,169 people
- > 35,535 households
 - o Avg. HH size: 2.07 people
 - o 11,533 HH with seniors
 - 5,747 HH with seniors living alone
- > 70.1% Black, 21% White
- > 6.4% without H.S. diploma, 19.1% H.S. grad

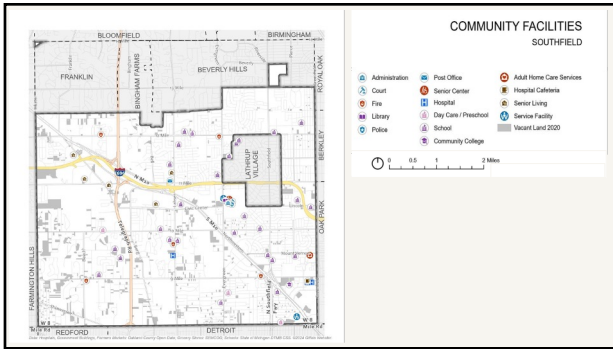
*Source: SMCDO

17

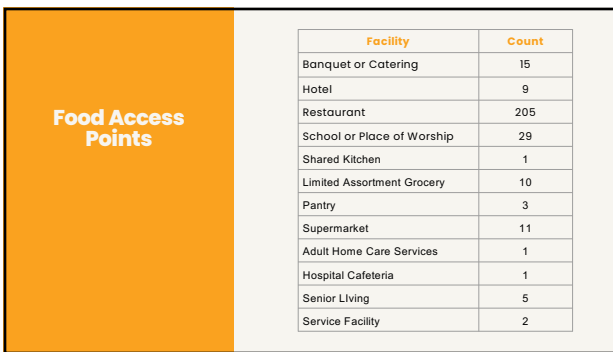
Southfield by the Numbers

- > Median HH income: \$60,006
- > 11.1% of pop in poverty (13% of HH)
- > Housing types
 - o 17,053 SF units
 - o 18,866 multi-family units
 - o 128 mobile homes or other

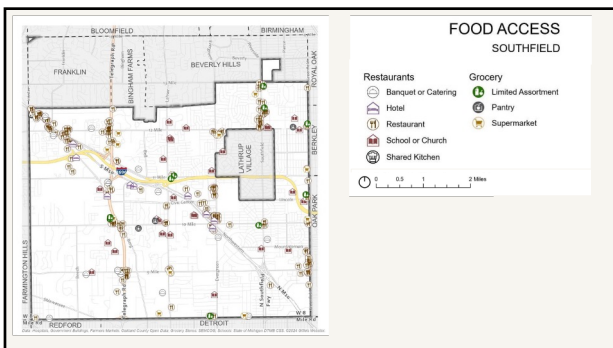
18



19



20



21

Food Waste in Southfield (NRDC)

- > Food insecurity: 9%
- > 15,000 tons of food waste per year (=30M pounds)
- > \$4.4M of unmet meals
- > \$3.8M - value of food rescue
- > 8% of GHG emissions come from food waste
- > 11.1% of pop in poverty (13% of HH)

22

Food Waste in Southfield (NRDC)

Sector	Percentage
Residential	46%
Restaurants	35%
Healthcare	5%
Hospitality	5%
Grocers & Markets	5%
Colleges & Universities	2%
K-12 Schools	1%
Manufacturing & Processors	1%
Events & Recreation	<1%
Wholesalers & Distributors	<1%
Correctional Facilities	<1%

Residential sector = ~ 7,000 tons

23

Food Waste in Southfield (NRDC)

Sector	Maximum Potential Scenario (Pounds/Year)	Ambitious Potential Scenario (Pounds/Year)
Industry	~380,000	~380,000
Retail/Store	~150,000	~150,000
Hospitality	~100,000	~100,000
Small Business	~80,000	~80,000
Public Schools	~120,000	~120,000
Colleges & Universities	~100,000	~100,000
Limited Service	~60,000	~60,000
K-12 Schools	~60,000	~60,000
Office/Shop	~60,000	~60,000
Cafeteria	~60,000	~60,000

24



25




26



27

Questions?




28

**Break + Gallery Walk
(20 minutes)**

- ▶ Break!
- ▶ Gallery Walk Stations (4)
 - Where do you see overlap/possible synergies in solutions between sectors? What questions do you have re: food waste elimination work?
 - What do you wish everyone else knew about the work your sector does?
 - What are your big hopes and dreams for the work you do?
 - What are the pain points with the work you do?

29

Questions?



30

Next Full Group Meetings


- > **March Meeting**
- > **May Meeting**



31

Get Ready!

For Another Community Feast!



32

Next Steps

- > Check out **pre-reading/prep materials**
- > **Brainstorm** ideas - remember, think outside the box!
- > Small group meetings and work plans **coming up**

33



Community	Contractor	Expiration	Recycling Carts	Trash Carts
South Lyon	GFL	30-Jun-26	opt-in/no charge	no
Walled Lake	GFL	30-Jun-27	opt-in/rent	opt-in/rent
Wixom	GFL	30-Jun-27	yes	no
Farmington	Waste Management	30-Jun-29	yes	yes
Farmington Hills	GFL	30-Jun-29	yes	yes
Novi	GFL	30-Jun-29	yes	yes
Southfield	GFL	30-Jun-29	yes	yes
Village of Milford	GFL	30-Jun-29	opt-in/purchase	no
Milford Township	GFL	31-Dec-29	opt-in/no charge	no



Resource Recovery & Recycling Authority of Southwest Oakland County

20000 W. 8 Mile Rd
Southfield, MI 48075-5708
Office: 248.208.2270
www.RRRASOC.org

THE RECYCLING AUTHORITY
Since 1989

To: RRRASOC Board of Directors
From: Mike Csapo, General Manager
Date: February 5, 2024

Re: **County Materials Management Planning**

Action Requested

No action necessary at this time.

Overview

As we have discussed in the past, recent amendments to Michigan's solid waste laws, known as Part 115, include modifying the existing requirements for county solid waste planning and replaces them with materials management plans (MMP). The new focus will be on sustainable materials management instead of just ensuring landfill disposal capacity.

The attached letter from the Director of EGLE is the formal initiation of the MMP process. Upon speaking with Oakland County officials, the anticipated timeline is as follows:

- Oakland County Board of Commissioners accepts the role as the "County Approval Agency": Spring 2024.
- Oakland County begins interviewing MMP Committee candidates: Spring 2024.
- Oakland County submits the required "Notice of Intent" to EGLE: no later than July 2024.
- Oakland County appoints Committee members: late summer, 2024.
- Oakland County solicits consultant services to assist plan development: late summer, 2024.
- Planning process begins: fall 2024.
- MMP submitted to EGLE: no later than summer 2027.

I anticipate playing a role in the planning process. I've expressed interest in serving on the Committee. If not appointed, I will still attend the Committee meetings to represent the interests of RRRASOC and its Member Communities.

Please let me know if you have any comments or questions.

RRRASOC Member Communities

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



GRETCHEN WHITMER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY
LANSING



PHILLIP D. ROOS
DIRECTOR

December 20, 2023

VIA EMAIL

Dear Honorable County Commissioner/Executive:

SUBJECT: Materials Management Planning

Michigan's Solid Waste Program has been updated with the passage of significant amendments to Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, that became effective on March 29, 2023. The amendments require that existing county Solid Waste Management Plans be replaced with new Materials Management Plans (MMP) that focus on sustainable materials management approaches, such as recycling and composting, instead of just landfilling waste.

In accordance with Part 115, the Department of Environment, Great Lakes, and Energy (EGLE) is initiating the materials management planning process as of January 8, 2024.

Counties, boards of commissioners, or elected executives are given the first opportunity to assume authority over MMP development and implementation. If the county accepts this authority, they are required to consult with adjacent counties about the option of preparing a multicounty plan and submit a Notice of Intent (NOI) to prepare an MMP **within 180 days of the date that the EGLE Director initiates the process**. If the county declines this authority, they must advise all the municipalities in the county and the regional planning agency of their decision. The regional planning agency or all of the municipalities, acting jointly, may assume planning responsibilities if the county declines. If the county, municipalities, and regional planning agency all decline the responsibility to prepare the plan, EGLE may prepare the MMP.

The NOI to prepare the MMP will be submitted via an online platform. The link to the submission platform can be found on the Materials Management Planning website at: www.Michigan.gov/EGLEMMP or directly at <https://www.surveymonkey.com/r/EGLENOI>. Completion of the NOI submittal will include documentation, by resolution or similar mechanism, from the entity accepting planning responsibilities; documentation of consultations with adjacent counties; and if pursuing a multicounty plan, an executed interlocal agreement. Submittal of the NOI begins the three-year timeframe for MMP development and approval.

Materials management planning will be the foundation of a more sustainable materials management framework in Michigan. To assist with this transition, grants will be available to every county for developing and implementing the MMP, with additional

SUBJECT: Materials Management Planning

Page 2

December 20, 2023

funds available for multicounty planning areas. Please visit the Materials Management Planning website at www.Michigan.gov/EGLEMMP to find guidance, resources, and grant information. Questions can be directed to planning staff at EGLE-MMP@Michigan.gov.

Thank you in advance for your attention to this matter. We look forward to working with your community. If you need further information, please contact Christina Miller, Materials Management Planning Specialist, Sustainable Materials Management Unit, Solid Waste Section, Materials Management Division (MMD), at 517-614-7426; MillerC1@Michigan.gov; or EGLE, MMD, P.O. Box 30241, Lansing, Michigan 48909-7741.

Sincerely,



Phillip D. Roos
Director
517-284-6700

cc: Aaron B. Keatley, Chief Deputy Director, EGLE
Elizabeth M. Browne, EGLE
Tracy Kecskemeti, EGLE
Julie Staveland, EGLE
Rhonda S. Oyer, EGLE
Phil Roycraft, EGLE
Jeff Spencer, EGLE
Amy Karana, EGLE
Christina Miller, EGLE
Carlie Money, EGLE
County Plan File



Resource Recovery & Recycling Authority of Southwest Oakland County

20000 W. 8 Mile Rd
Southfield, MI 48075-5708
Office: 248.208.2270
www.RRRASOC.org

THE RECYCLING AUTHORITY
Since 1989

To: RRRASOC Board of Directors
From: Mike Csapo, General Manager
Date: February 15, 2024

Re: **Battery Policy**

Action Requested

No action necessary at this time.

Overview

At its October 26, 2023 Board meeting, the RRRASOC Board of Directors adopted a Policy Statement calling for improved policies and funding, and legislation if necessary, pertaining to batteries.

Since that time, the following entities have expressed support for the statement:

- Southwest Oakland County Resource Recovery Authority (SOCRRA)
Adopted by the SOCRRA Board of Trustees at its Regular Meeting on November 8, 2023
- West Michigan Sustainable Business Forum
Adopted November 15, 2023
- Michigan Chapter of the American Public Works Association
Supported by the Executive Committee at its Regular Meeting on December 6, 2023
- Green Living Science
Supported by Green Living Science on December 11, 2023
- Michigan Recycling Coalition
Adopted by the MRC Board of Directors on December 11, 2023
- Michigan Municipal Risk Management Authority Fire/EMS Advisory Committee
Supported at its meeting on January 26, 2024
- Michigan Chapter of the Solid Waste Association of North America
Supported by the Board of Directors on February 2, 2024
- Emmet County Department of Public Works Board of Directors
Supported by the Board of Directors on February 8, 2024

Efforts to secure additional institutional support are ongoing, as are efforts to prepare potential legislation. Later this year, stakeholders will work to identify legislative sponsors as necessary.

Please let me know if you have any comments or questions.

RRRASOC Member Communities

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



Resource Recovery & Recycling Authority of Southwest Oakland County

20000 W. 8 Mile Rd
Southfield, MI 48075-5708

Office: 248.208.2270

Fax: 248.208.2273

www.RRRASOC.org

THE RECYCLING AUTHORITY
Since 1989

To: RRRASOC Board of Directors
From: Michael Csapo, General Manager
Date: February 15, 2024

Re: **Manager's Report**

1. The 2023 RRRASOC Annual Report was prepared. See agenda.
2. The draft FY 2024 - 2025 RRRASOC budget was prepared. See agenda.
3. The first of two robotics installations was completed. See agenda.
4. Work on Disaster Debris Management Planning with SOCRRA and Tetra Tech continued. See agenda.
5. Work on Food Waste Reduction and Organics composting continued. See agenda.
6. RRRASOC worked with Farmington and Walled Lake on curbside contract extensions and with Southfield on awarding a new contract. See agenda.
7. RRRASOC continued to advance the Board-adopted battery policy. See agenda.
8. The fall HHW events were completed and planning began for the spring events.
9. Four tours of the MRF were conducted.
10. The grant-funded promotion of multi-family recycling in Southfield continued.
11. Document shredding events in Wixom and Farmington Hills were sponsored.
12. Staff attended or presented at the following:
 - A. EPA SWIFR grant debriefing;
 - B. Michigan Soft Drink Association Board meeting;
 - C. HHW event in Southfield;
 - D. Southfield Food Waste Reduction project meeting;
 - E. Farmington City Council meeting;
 - F. Walled Lake City Council meeting;
 - G. Southfield City Council meeting (x2);
 - H. Wixom City Council meeting;
 - I. SWANA Board meeting;

RRRASOC Member Communities

Farmington ♦ Farmington Hills ♦ Milford ♦ Milford Township

Novi ♦ South Lyon ♦ Southfield ♦ Walled Lake ♦ Wixom

- J. EGLE Recycling Stakeholders meeting;
- K. NextCycle I2P3 CTIP meeting;
- L. NextCycle TAC meeting
- M. The Recycling Partnership webinar on The State of Residential Recycling in the U.S.

Check Register Report

Date: 02/12/2024

Time: 3:36 pm

Page: 1

RRRASOC

BANK: STANDARD FEDERAL BANK

Check Number	Check Date	Status	Reconcile Date	Vendor Number	Vendor Name	Check Description	Amount
STANDARD FEDERAL BANK Checks							
13983	11/01/2023	Printed		140	FIRE ROVER	Baler repair after fire	2,712.59
13984	11/01/2023	Printed		123	IRIS WASTE DIVERSION SPECIAL	October 2023	2,862.50
13985	11/01/2023	Printed		123	IRIS WASTE DIVERSION SPECIAL	Grant work-October 2023	7,987.50
13986	11/01/2023	Printed		30	MICHIGAN RECYCLING COALITION	Membership thru 11/30/24	200.00
13987	11/01/2023	Void		33	SQS, INC.	Southfield HHW-10/28/23	0.00
13988	11/01/2023	Printed		33	SQS, INC.	Novi HHW-10/7/23	72,152.00
13989	11/01/2023	Printed		33	SQS, INC.	South Lyon batteries	806.82
13990	11/01/2023	Printed		33	SQS, INC.	Farmington batteries	546.20
13991	11/09/2023	Printed		140	FIRE ROVER	November 2023	161.00
13992	11/09/2023	Printed		137	GFL ENVIRONMENTAL	Novi Drop-Off-October 2023	10,200.00
13993	11/09/2023	Printed		160	KASTLE SYSTEMS LLC	December 2023	1,118.00
13994	11/09/2023	Printed		16	MICHIGAN MUNICIPAL LEAGUE	The Review subscription	24.00
13995	11/13/2023	Printed		148	PHOENIX INNOVATE	Don't Bag Your Recyclables fly	419.00
13996	11/13/2023	Printed		171	REPUBLIC SERVICES	Baler repair	83,043.68
13997	11/13/2023	Printed		33	SQS, INC.	Southfield Fall HHW	41,586.00
13998	11/16/2023	Printed		124	BLUE CROSS BLUE SHIELD OF MICH	December 2023	5,082.70
13999	11/16/2023	Printed		429	CHASE	Visa	1,139.21
14000	11/16/2023	Printed		184	MISSION SQUARE	11/9/23 Payroll-Plan #303663	1,243.14
14001	11/16/2023	Printed		184	MISSION SQUARE	11/22/23 Payroll-Plan #303663	1,243.14
14002	11/16/2023	Printed		130	THE HARTFORD	December 2023	527.09
14003	11/30/2023	Printed		140	FIRE ROVER	December 2023	161.00
14004	11/30/2023	Void		172	GLACIER TECHNOLOGY INC.	Robot Set-Up	0.00
14005	11/30/2023	Printed		184	MISSION SQUARE	12/7/23 Payroll-Plan #303663	1,243.14
14006	11/30/2023	Printed		148	PHOENIX INNOVATE	HHW 2024 Flyers-1,000	624.00
14007	11/30/2023	Printed		33	SQS, INC.	South Lyon batteries	614.93
14008	11/30/2023	Printed		33	SQS, INC.	Farmington batteries	546.48
14009	11/30/2023	Printed		33	SQS, INC.	October 2023 appointments	11,665.50
14010	12/15/2023	Printed		429	CHASE	Visa	1,133.73
14011	12/15/2023	Printed		137	GFL ENVIRONMENTAL	November 2023	9,900.00
14012	12/15/2023	Printed		123	IRIS WASTE DIVERSION SPECIAL	November 2023	3,386.88
14013	12/15/2023	Printed		123	IRIS WASTE DIVERSION SPECIAL	November 2023 grant work	6,787.50
14014	12/15/2023	Printed		160	KASTLE SYSTEMS LLC	January 2024	1,118.00
14015	12/15/2023	Printed		126	SHREDCORP	Farmington Hills 12/12/23	1,100.00
14016	12/15/2023	Printed		33	SQS, INC.	November 2023 appointments	12,120.00
14017	12/19/2023	Printed		540	ACCIDENT FUND INSURANCE CO	Worker's Comp-2024	785.00
14018	12/19/2023	Printed		124	BLUE CROSS BLUE SHIELD OF MICH	January 2024	5,082.70
14019	12/19/2023	Printed		172	GLACIER TECHNOLOGY INC.	Robot Set-Up	62,000.00
14020	12/19/2023	Printed		184	MISSION SQUARE	12/21/2023 Payroll	1,243.14
14021	12/19/2023	Printed		130	THE HARTFORD	January 2024	527.09
14022	01/11/2024	Printed		540	ACCIDENT FUND INSURANCE CO	Worker's Comp.	87.00
14023	01/11/2024	Printed		140	FIRE ROVER	January 2024	161.00
14024	01/11/2024	Printed		137	GFL ENVIRONMENTAL	Novi Drop-Off-December 2023	9,150.00
14025	01/11/2024	Printed		123	IRIS WASTE DIVERSION SPECIAL	December 2024	3,293.75
14026	01/11/2024	Printed		123	IRIS WASTE DIVERSION SPECIAL	December 2024 grant work	2,662.50
14027	01/11/2024	Printed		160	KASTLE SYSTEMS LLC	February 2024	1,118.00
14028	01/11/2024	Printed		184	MISSION SQUARE	1/4/2024 Payroll	1,243.14
14029	01/11/2024	Printed		184	MISSION SQUARE	1/18/2024 Payroll	1,243.14
14030	01/11/2024	Printed		33	SQS, INC.	December 2024 appointments	10,958.50
14031	01/11/2024	Printed		33	SQS, INC.	South Lyon batteries	875.57
14032	01/11/2024	Printed		33	SQS, INC.	Farmington batteries	522.66

Check Register Report

Date: 02/12/2024

Time: 3:36 pm

Page: 2

RRRASOC

BANK: STANDARD FEDERAL BANK

Check Number	Check Date	Status	Reconcile Date	Vendor Number	Vendor Name	Check Description	Amount
STANDARD FEDERAL BANK Checks							
14033	01/22/2024	Printed		124	BLUE CROSS BLUE SHIELD OF MICH	February 2024	5,082.70
14034	01/22/2024	Printed		429	CHASE	Visa	3,481.42
14035	01/22/2024	Printed		184	MISSION SQUARE	2/1/2024 Payroll-Plan #303663	1,243.14
14036	01/22/2024	Printed		148	PHOENIX INNOVATE	Sfid Multi-Family PC-Postage	4,651.49
14037	01/22/2024	Printed		25	RESOURCE RECYCLING SYSTEMS, IN	Holly Haliwill/Monthly Labor	5,348.64
14038	01/22/2024	Printed		173	TETRA TECH, INC.	RRRASOC MI DDMP/Pro Initiation	2,970.38
14039	01/22/2024	Printed		130	THE HARTFORD	February 2024	527.09
14040	01/31/2024	Printed		148	PHOENIX INNOVATE	Postcard Print & Mail Jan 2024	4,555.00
14041	01/31/2024	Printed		171	REPUBLIC SERVICES	Telehandler	1,563.55
14042	01/31/2024	Printed		126	SHREDCORP	Wixom 12/19/23	550.00
14043	01/31/2024	Printed		33	SQS, INC.	South Lyon batteries	903.13
14044	01/31/2024	Printed		33	SQS, INC.	Farmington batteries	578.08
14045	01/31/2024	Printed		173	TETRA TECH, INC.	RRRASOC MI DDMP	6,867.50
14046	02/09/2024	Printed		140	FIRE ROVER	February 2024	161.00
14047	02/09/2024	Printed		137	GFL ENVIRONMENTAL	Novi Drop-Off-January 2024	9,000.00
14048	02/09/2024	Printed		123	IRIS WASTE DIVERSION SPECIAL	January 2024	3,650.00
14049	02/09/2024	Printed		123	IRIS WASTE DIVERSION SPECIAL	January 2024 grant work	8,175.00
14050	02/09/2024	Printed		160	KASTLE SYSTEMS LLC	March 2024	1,118.00
14051	02/09/2024	Printed		164	LEE INDUSTRIAL CONTRACTING	Install Phase 2	16,250.00
14052	02/09/2024	Printed		184	MISSION SQUARE	2/15/2024 Payroll	1,243.14
14053	02/09/2024	Printed		33	SQS, INC.	January 2024 appointments	8,614.00

Total Checks: 71

Checks Total (excluding void checks): 470,942.18

Total Payments: 71

Bank Total (excluding void checks): 470,942.18

Total Payments: 71

Grand Total (excluding void checks): 470,942.18



P.O. Box 15284
Wilmington, DE 19850

RESOURCE RECOVERY AND RECYCLING
AUTHORITY OF SOUTHWEST OAKLAND COUNTY
20000 W 8 MILE RD
SOUTHFIELD, MI 48075-5708

Customer service information

-  Customer service: 1.888.400.9009
-  bankofamerica.com
-  Bank of America, N.A.
P.O. Box 25118
Tampa, FL 33622-5118

Your Public Funds Interest Checking

for January 1, 2024 to January 31, 2024

Account number:

RESOURCE RECOVERY AND RECYCLING AUTHORITY OF SOUTHWEST OAKLAND COUNTY

Account summary

Beginning balance on January 1, 2024	\$272,144.57
Deposits and other credits	104.86
Withdrawals and other debits	-0.00
Checks	-0.00
Service fees	-120.36
Ending balance on January 31, 2024	\$272,129.07

of deposits/credits: 1
 # of withdrawals/debits: 1
 # of days in cycle: 31
 Average ledger balance: \$272,085.83

Annual Percentage Yield Earned this statement period: 0.46%.
 Interest Paid Year To Date: \$104.86.

REVENUE/EXPENDITURE REPORT

RRRASOC

For the Period: 7/1/2023 to 1/31/2024

	Original Bud.	Amended Bud.	YTD Actual	CURR MTH	Encumb. YTD	UnencBal	% Bud
Fund: 596 - GENERAL FUND - ADMINISTRATION							
Revenues							
580.000 MEMBER CONTRIBUTIONS	388,858.00	388,858.00	388,858.05	14,269.50	0.00	-0.05	100.0
645.000 REVENUE SHARING-RRRASOC	25,000.00	25,000.00	0.00	0.00	0.00	25,000.00	0.0
646.000 REVENUE SHARING-NON RRRASOC	1,200.00	1,200.00	0.00	0.00	0.00	1,200.00	0.0
647.000 HOST FEES	126,000.00	126,000.00	89,349.54	20,001.32	0.00	36,650.46	70.9
664.000 INTEREST INCOME	6,000.00	6,000.00	6,886.86	1,048.64	0.00	-886.86	114.8
671.000 MISCELLANEOUS INCOME	60,000.00	60,000.00	85,649.70	22.20	0.00	-25,649.70	142.7
Revenues	607,058.00	607,058.00	570,744.15	35,341.66	0.00	36,313.85	94.0
Expenditures							
702.000 SUPERVISORY SALARIES	132,311.00	132,311.00	76,333.20	10,177.76	0.00	55,977.80	57.7
703.000 PERMANENT SALARIES	65,480.00	65,480.00	37,965.78	5,225.80	0.00	27,514.22	58.0
705.000 OVERTIME	7,544.00	7,544.00	2,544.44	0.00	0.00	4,999.56	33.7
710.000 FICA	17,805.00	17,805.00	10,133.95	1,325.24	0.00	7,671.05	56.9
711.000 MEDICAL/DENTAL INSURANCE	69,250.00	69,250.00	44,461.22	5,609.79	0.00	24,788.78	64.2
712.000 UNEMPLOYMENT INSURANCE	1,046.00	1,046.00	729.43	729.43	0.00	316.57	69.7
713.000 WORKERS COMP.	800.00	800.00	872.00	87.00	0.00	-72.00	109.0
715.000 ICMA	27,412.00	27,412.00	16,868.16	3,162.78	0.00	10,543.84	61.5
727.000 OPERATING SUPPLIES	750.00	750.00	0.00	0.00	0.00	750.00	0.0
728.000 OFFICE SUPPLIES	2,000.00	2,000.00	795.03	0.00	0.00	1,204.97	39.8
729.000 POSTAGE & MAILING	17,400.00	17,400.00	5,819.72	28.75	0.00	11,580.28	33.4
730.000 MAGAZINES & PERIODICALS	80.00	80.00	24.00	0.00	0.00	56.00	30.0
810.000 AUDIT	15,000.00	15,000.00	14,650.00	0.00	0.00	350.00	97.7
812.000 LEGAL COUNSEL	5,000.00	5,000.00	0.00	0.00	0.00	5,000.00	0.0
821.000 MEMBERSHIP DUES	1,000.00	1,000.00	879.00	180.00	0.00	121.00	87.9
822.000 CONTRACTUAL SERVICES-OTHER	150,800.00	150,800.00	108,040.09	24,979.75	0.00	42,759.91	71.6
822.002 DROP-PFF	165,000.00	165,000.00	69,094.00	10,268.00	0.00	95,906.00	41.9
822.003 HHW Wash	30,000.00	30,000.00	20,222.80	-26,513.06	0.00	9,777.20	67.4
830.000 TELEPHONE	6,480.00	6,480.00	2,644.79	337.64	0.00	3,835.21	40.8
831.000 VEHICLE EXPENSE	4,800.00	4,800.00	2,800.00	400.00	0.00	2,000.00	58.3
835.000 COMMUNITY RELATIONS	8,700.00	8,700.00	3,300.00	550.00	0.00	5,400.00	37.9
836.000 PRINTING & PUBLISHING	48,915.00	48,915.00	27,976.73	1,697.50	0.00	20,938.27	57.2
840.000 BUILDING/LIAB. INS.	26,593.00	26,593.00	23,909.00	0.00	0.00	2,684.00	89.9
850.000 EQUIPMENT MAINTENANCE	26,888.00	26,888.00	13,766.38	5,348.64	0.00	13,121.62	51.2
851.000 BUILDING MAINTENANCE	1,700.00	1,700.00	0.00	0.00	0.00	1,700.00	0.0
860.000 CONFERENCES & WORKSHOPS	2,000.00	2,000.00	0.00	0.00	0.00	2,000.00	0.0
890.000 MILEAGE EXPENSES	2,500.00	2,500.00	396.24	20.00	0.00	2,103.76	15.8
970.000 CAPITAL OUTLAY	45,000.00	45,000.00	254,694.36	20,689.87	0.00	-209,694.36	566.0
975.000 COMPUTER SOFTWARE	685.00	685.00	948.57	162.10	0.00	-263.57	138.5
978.000 OFFICE EQUIPMENT	2,500.00	2,500.00	4,262.78	2,642.93	0.00	-1,762.78	170.5
979.000 CONTINGENCY	6,757.00	6,757.00	0.00	0.00	0.00	6,757.00	0.0
Expenditures	892,196.00	892,196.00	744,131.67	67,109.92	0.00	148,064.33	83.4
Net Effect for GENERAL FUND - ADMINISTRATION	-285,138.00	-285,138.00	-173,387.52	-31,768.26	0.00	-111,750.48	60.8
Change in Fund Balance:			-173,387.52				
Grand Total Net Effect:	-285,138.00	-285,138.00	-173,387.52	-31,768.26	0.00	-111,750.48	



Resource Recovery & Recycling Authority of Southwest Oakland County

20000 W. 8 Mile Rd
Southfield, MI 48075-5708

Office: 248.208.2270
www.RRRASOC.org

THE RECYCLING AUTHORITY
Since 1989

To: RRRASOC Board of Directors
From: Mike Csapo, General Manager
Date: February 13, 2024

Re: **MRF Operations Report**

Attached are the MRF throughput figures for January 2024. During the period, the MRF accepted nearly 4,705 tons of material, which is 32% more than January 2023.

Nearly 1,305 tons (27.7%) came from the RRRASOC Member Communities' programs in accordance with MRF Service Agreements or RRRASOC drop-off sites, which is 8.24% more than January 2023.

As shown in the accompanying graph, commodity prices remain below average but continue to improve.

Please let me know if you have any comments or questions.

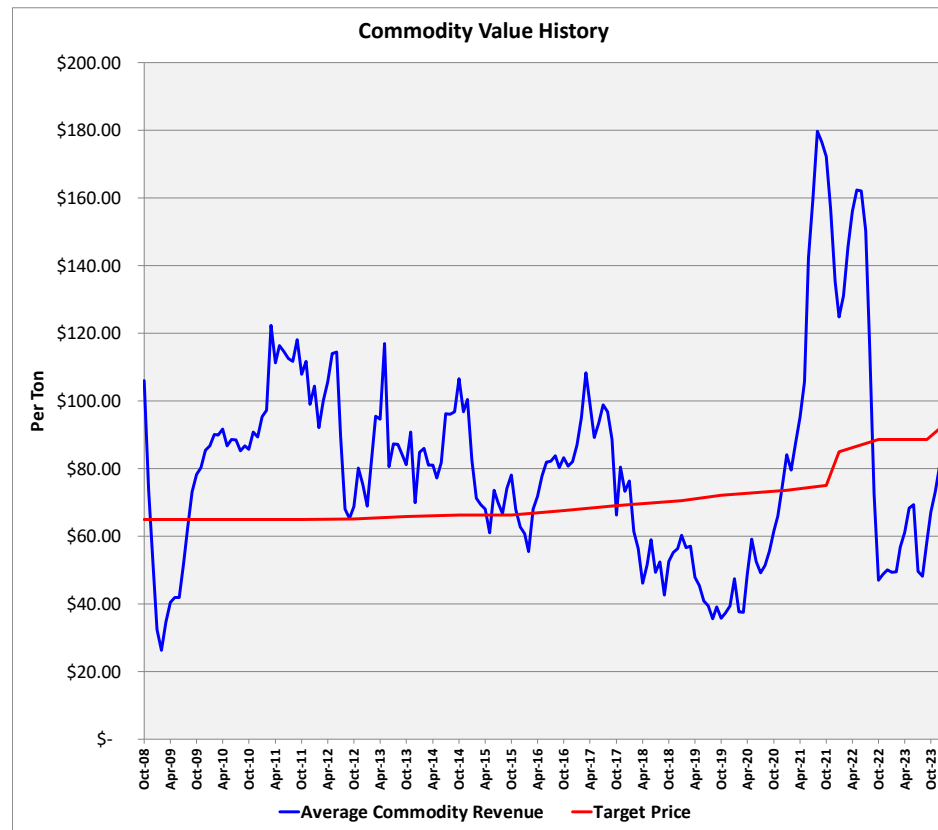
attachment

RRRASOC Member Communities

Farmington ♦ Farmington Hills ♦ Milford ♦ Milford Township

Novi ♦ South Lyon ♦ Southfield ♦ Walled Lake ♦ Wixom

MRF Throughput															
Source:	Farmington	Farmington Hills	Village of Milford	Milford Twp	Novi	Novi DO	South Lyon	Southfield	Southfield DO	Walled Lake	Wixom	RRRASOC Total	Third Party	Total	RRRASOC %
Jan-24	84.97	384.28	32.79	30.17	318.27	53.43	92.26	211.30	11.57	18.62	66.99	1,304.65	3,400.28	4,704.93	27.7%
Feb-24															
Mar-24															
Apr-24															
May-24															
Jun-24															
Jul-24															
Aug-24															
Sep-24															
Oct-24															
Nov-24															
Dec-24															
Total	84.97	384.28	32.79	30.17	318.27	53.43	92.26	211.30	11.57	18.62	66.99	1,304.65	3,400.28	4,704.93	27.7%





Resource Recovery & Recycling Authority of Southwest Oakland County

20000 W. 8 Mile Rd
Southfield, MI 48075-5708

Office: 248.208.2270
www.RRRASOC.org

THE RECYCLING AUTHORITY
Since 1989

Minutes of October 26, 2023
RRRASOC Board of Directors Meeting
9:30 a.m.
Wixom Department of Public Works
2041 Charms Road
Wixom, MI 48393

1. Call to Order

Mr. Green called the meeting to order at 9:30 a.m.

2. Roll Call

Don Green	Vice Chairperson, Charter Township of Milford
Chelsea Pesta	Treasurer, Walled Lake
Gary Mekjian	Secretary, Farmington Hills
David Murphy	Farmington
Christian Wuerth	Milford Village
Jeff Herczeg	Novi
Paul Zelenak	South Lyon
Steve Brown	Wixom
Karen Mondora	Farmington Hills
John Michrina	Southfield
Patrick Ryan	Southfield
Tim Sikma	Wixom
Aaron Hiday	State of Michigan, Department of Environment, Great Lakes, and Energy
Devan Dodge	State of Michigan, Department of Environment, Great Lakes, and Energy
Bill Whitley	MyGreen Michigan and SPURT
Michael Csapo	RRRASOC
Laura Shaw	RRRASOC

3. Approval of Agenda

Mr. Wuerth moved to approve the agenda. Mr. Murphy supported, and the motion passed unanimously by the Board.

4. Audience Participation

None.

5. Matters for Discussion/Action

A. Battery Policy Statement

Mr. Csapo explained the Battery Policy Statement to the Board.

Ms. Mondora informed the Board that the Battery Policy Statement was introduced at the last Michigan Chapter of the APWA Board Meeting and was tabled until the next meeting.

Mr. Murphy made a motion to approve the Battery Policy Statement. Mr. Wuerth supported, and the motion passed unanimously by the Board.

B. Simple Recycling Contract Extension

Mr. Csapo explained the Simple Recycling 3-year Contract Extension.

Mr. Sikma made a motion to approve the extension of the Simple Recycling contract. Mr. Wuerth supported, and the motion passed unanimously by the Board.

C. Disaster Debris Management Planning Project Update

Mr. Csapo updated the Board on the Disaster Debris Management Planning Project. Mr. Csapo informed the Board that a pre-planning meeting is scheduled for November 16, 2023.

D. Food Waste and Organics Composting Discussion

Mr. Csapo explained the need for food waste and organics composting discussion.

Ms. Dodge explained some of the changes to Part 115 and the amount of food that is landfilled. Ms. Dodge also informed the Board of small pilot programs for food recycling.

Mr. Hiday explained the status of regulatory activity for compost facilities.

Mr. Csapo explained the curbside collection of non-yard waste organics will be necessary to meet State recycling goals.

6. Manager's Report

Mr. Csapo informed the Board that a robot is scheduled to start on the residual line in January 2024 and that a 2nd robot will be designed for the commingled line. Mr. Csapo advised the Board that a State of Michigan grant and a third-party stakeholder grant will pay 93% of the initial costs of the latest robot and that a customer agreement with the robot vendor will be signed once the grant agreements are executed.

7. Other

None.

8. Consent Agenda

- a. Payment of Bills Report

- b. Investment Report
- c. Revenue and Expenditure Report
- d. Division Rate Report
- e. MRF Operations Report
- f. Minutes of September 28, 2023

9. Adjournment

Mr. Murphy moved to adjourn at 10:50 a.m., Mr. Wuerth supported, and the motion passed unanimously by the Board.