



Manistee County Board of Commissioners

Manistee County Courthouse • 415 Third Street • Manistee, Michigan 49660

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**MANISTEE COUNTY
GREEN TEAM/RECYCLING COMMITTEE**

Thursday, November 17, 2016
3:00 P.M.

Manistee County Courthouse & Government Center
Board of Commissioners Meeting Room

AGENDA

- 1) Sarah Archer - P.A. 69 Recycling Update (APPENDIX A)
- 2) Other Items From Committee Members
- 3) Adjournment

APPENDIX A

Manistee County Green Team Recycling Program Report – November 17, 2016 Sarah Archer, Iris Waste Diversion Specialists, Inc.

The following is a summary of Recycling Program activity since the June Green Team meeting.

Meeting Attendance

- Green Team - June30
- Manistee Chapter Michigan Townships Association Meeting - July 27
- Conservation District HHW Committee Meeting - August2
- Manistee Chapter Michigan Townships Association Meeting - August 24
- Manistee Regional Summit - September 15
- Manistee Chapter Michigan Townships Association Meeting - September 28
- Conservation District HHW Committee Meeting - October18
- Manistee Chapter Michigan Townships Association Meeting - October26

Current Volume Report

Total weight (pounds) of materials collected from 5 recycling drop-off sites.

January	45,020	April	35,460	July	55,220	October	40,480
February	36,760	May	48,620	August	70,280	November	
March	42,080	June	39,600	September	45,400	December	
Total To-Date							458,920

- October 2016 volume was down from October 2015 by 6%.
- Total Year to Date Program costs are \$972.05 higher than 2015.

Education

- Set up an educational table at Arcadia Daze Saturday, July 23 and Onekama Days, August 6
- Monthly e-newsletters sent
- Website updates have been a challenge. Recycling Coordinator is unable to access backend of website and web updates submitted to webmaster are not being made.
- Message Centers at all recycling sites have been cleaned and information updated

Operations

- Recycling bins were relocated and added to accommodate heavy volumes at Arcadia and Onekama Township recycling sites. Recycling bins were emptied one day in advance of Arcadia Daze and Onekama Days. Due to continuing heavy volumes, an additional day of service was negotiated with Area 31 for the month of August for Arcadia and Onekama.
- Beginning October 1, the number of recycling bins at Onekama was reduced by one and site monitors at Onekama and Springdale reduced inspections to once per week.
- Due to seasonal decline in use, one bin will be removed from Arcadia site and one additional bin at Onekama site in mid-November.
- Illegal dumping has occurred on a number of occasions at the Brown Township site. When identification has been found, letters have been sent to inform resident on proper disposal of trash. Brown Township Supervisor has also gone to the home of the resident to advise them to remove the trash or be reported to the Sheriff's Department. Information was provided to them about the RAP Grant through Michigan Municipal Risk Management Authority and

suggested application for the purpose of purchasing security cameras at the Township Hall and Recycling site.

Recruitment

- The process of requesting renewal of inter-local agreements with existing PA69 Townships began in September. The following meetings were attended resulting in renewal of inter-local agreements:
 - Onekama Township - September 6
 - Arcadia Township - September 8
 - Maple Grove Township - September 12
 - Springdale Township - September 12
 - Cleon Township - October 12
 - Marilla Township - October 13
 - Brown Township - November 9

Regional Resource Recovery (3R) Project

- AES announces the grant award on August 15 which resulted in a variety of media coverage.
- Requests for support of the project have been made to all local units of government in Manistee County and Benzie, Grand Traverse, Leelanau, Mason, Wexford Counties and the Little River Band of Ottawa Indians.
- 3R Project Description has been developed to provide further details to parties considering participation. (Copy attached)
- Currently participating – Adoption of Resolution or Support Letter
 - Benzie County (on trial basis w/o resolution)
 - Grand Traverse County
 - Mason County
 - Arcadia Township
 - Brown Township
 - Cleon Township
 - Dickson Township
 - Filer Township
 - Village of Kaleva
 - City of Manistee
 - Maple Grove Township
 - Onekama Township
 - Pere Marquette Township, Mason County
 - Pleasanton Township
 - Springdale Township
- Recycling Coordinator has been attending Board and Council meetings to introduce the project and request participation. Meetings attended to date:
 - Onekama Township- August 3
 - Pleasanton Township- August 8
 - Stronach Township- August 10
 - Manistee Township- August 11
 - Village of Kaleva -August 15
 - Bear Lake Township- August 16

- Arcadia Township - September 8
- Maple Grove Township - September 12
- Springdale Township - September 12
- Norman Township - September 13
- Cleon Township - October 12
- Marilla Township - October 13
- Dickson Township - October 19
- Filer Township - November 1 & 14
- Recycling Coordinator and Tim Ervin met with the following organizations to discuss the project:
 - Manistee Chapter – Michigan Townships Association - July 27
 - Pennies from Heaven Foundation, Mason County Growth Alliance, AFFEW (A Few Friends of the Environment of the World) - August 11
- Recycling Coordinator met with the following groups/committees regarding the project:
 - Manistee Clerk's Association - August 22
 - West Shore Community College - September 14
 - Mason County Planning Committee - September 27
 - Benzie County Solid Waste Advisory Committee - October 5
 - AFFEW Annual Meeting – Guest Speaker - October 20
 - Leelanau County Solid Waste Advisory Council - November 1

Other

- Energy Star Portfolio Manager is now capable of tracking waste. The County may want to look into this function and consider tracking materials diverted from the landfill such as paper, batteries, electronics, etc. Information about Portfolio Manager Waste Tracking is attached.
- Worked the HHW event - August 20
- Membership to Michigan Recycling Coalition – www.michiganrecycles.org
 - County Annual membership \$200
 - Membership brochure attached
- After a year's hiatus, Networks Northwest has reconvened meetings of the Solid Waste Advisory Committee. A meeting was held on November 4th with the following topics identified as of interest to the group for discussion at future meetings:
 1. Agricultural Waste
 2. Michigan Recycling Coalition (MRC)
 3. Governor's Recycling Council Updates
 4. Solid Waste Sustainability Advisory Panel (SWSAP) Part 115 Review
 5. E-Waste Recycling Law
 6. MRC Spring conference (May 17th-19th)
 7. SWSAP compost facilities (New Policies)

Regional Resource Recovery Project Overview

Project Funding

This project is being funded through a grant from the U.S. Department of Agriculture, Rural Development awarded to the Alliance of Economic Success on behalf of Manistee County.

Project Purpose

To provide a regional solution for recycling and recovery of discards - AKA Resource Recovery, that creates jobs, improves quality of life and brings economic benefit to the region.

Why a Regional Approach

- Successful rural resource recovery programs take advantage of economies of scale
- Looking at the opportunities and resources on a regional scale may set the stage for inter-jurisdictional collaboration
- A well planned resource recovery program will provide opportunities for economic development, enhance quality of life, reduce environmental impacts to the local/regional area, improve the appeal to visitors/employers
- A regional approach may provide for recovery of non-typical household goods (mattresses, textiles, foam, etc.) and opportunities for increased collection of household hazardous waste, electronics, etc.
- Establishing a uniform program reduces user confusion and allows for broad scale public education
- Establishing regional baseline data can be used for economic development
- Providing local/regional diversion solutions appeals to the business/manufacturing sector as they strive to meet waste reduction/zero waste goals
- MDEQ is currently in the process of making recommendations for changes to the laws that govern solid waste management, specifically Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. Among the proposed recommendations is the encouragement of County/Regional Materials Management Plans (formerly called Solid Waste Management Plans).

The language in the proposal, listed in the section titled **Materials Management Planning (Formerly Solid Waste Management Planning)** as bullet point seven (7), reads as follows:

Counties or regional planning agencies should review their Plans every 5 years, similar to the Master Plan Process, and amend the plan as needed.

- When the Michigan Solid Waste Policy is significantly changed, the DEQ Director will initiate a plan update.
- Each county should contact its neighboring counties regarding feasibility of doing a regional plan and provide documentation indicating the outcome of that contact.

Project Management

Sarah Archer will serve as Project Manager working as a contractor through the Alliance for Economic Success. Archer has a working knowledge of the Resource Recovery industry and the issues and challenges of the Manistee/Northwest region through her work as Recycling Coordinator for Manistee County. Archer began her resource recovery career in 1994 as the Environmental Educator for the Charter Township of Ypsilanti before advancing to serve as Recycling and Waste Coordinator for the University of Michigan - Ann Arbor. She served for six months as Environmental Program Coordinator for Oakland County before venturing out on her own and founding Iris Waste Diversion Specialists in 2004. Archer and her team work with government, institutions, non-profit agencies and the private-sector to achieve their waste reduction and waste diversion goals. Since 2012, Archer has been working under contract with Manistee County to manage the Public Act 69 recycling program.

First Steps

1. Educate about the project and get commitments to participate in this multi-jurisdictional project to develop a sustainable regional resource recovery program.

Commitment to participate is indicated through adoption of a resolution by October

- Commitment means providing data
 - Participating in the stakeholder meetings (number to be determined by the project leadership team)
 - Supporting the goals of the project
 - Help to implement the identified strategy
 - Advocate for and educate about the project/program
2. Determine current recycling rate to get baseline data which will be important to identify potential opportunities

Desired Jurisdictions

- Local units in Manistee County
- Little River Band of Ottawa Indians
- Benzie County
- Grand Traverse County
- Leelanau County
- Mason County
- Wexford County

Committed Project Participants (as of 11-14-16)**County Government**

- Manistee County
- Benzie County
- Grand Traverse County
- Mason County

Manistee County Local Units of Government

- City of Manistee
- Arcadia Township
- Brown Township
- Cleon Township
- Dickson Township
- Filer Township
- Maple Grove Township
- Onekama Township
- Pleasanton Township
- Springdale Township
- Village of Kaleva
- Manistee County Chapter of Michigan Townships Association
- Pere Marquette Township, Mason County

Committed or expressed an interest in participating

- Michigan Department of Environmental Quality
- West Shore Community College – Scottville
- AFFEW – A Few Friends of the Environment of the World – Ludington
- Manistee Conservation District
- Mason-Lake Conservation District

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Project Time Frame

12 – 16 months (July 2016 – November 2017)

Initial Time Line

Now – November 2016

- Secure participants
- Establish leadership team

December 2016 – January 2017

- Meeting of leadership team
- Meeting of stakeholders

November 2016 – February 2017

- Data gathering, analysis and determination of recycling rate

Note: *Detailed program questions can't yet be answered because the project will be driven by the participating governmental jurisdictions and there are no preconceived ideas about the location, leadership, management or type of organization that may be identified as the "ideal" solution for a sustainable resource recovery program.*



Is the source for information about recycling, composting and waste utilization in Michigan. Offers the best professional education and networking opportunities available to Michigan's resource recovery community.

Builds consensus around important resource recovery, recycling and composting issues.

Provides members with the tools and resources they need to convey to their constituents, decision makers, and the media, the important benefits of waste utilization to our economy and environment.

Develops meaningful partnerships with business, government, and nonprofit leaders to bring about important changes in the way we use, manage, and recycle natural resources.

Advocates for successful recycling and organics management programs at the local, state, and national level.

www.michiganrecycles.org

Michigan Recycling Coalition
PO Box 10070
Lansing, MI 48901
517.974.3672



WHICH MEMBERSHIP IS RIGHT FOR YOU?

	PROMOTER <i>Your organization wants a custom membership package or advanced partnership opportunities</i>	CORPORATE \$750* <i>Your organization has facilities in multiple locations.</i>	BUSINESS \$350* <i>You're a business with one campus or office.</i>	NONPROFIT OR GOVERNMENT \$200* <i>You're a nonprofit, municipality, or government agency.</i>	INDIVIDUAL \$75 <i>You would like a membership and are not associated with a company or organization.</i>
Number of employees who receive discounts on MRC events, access to listservs and online member community.	Customizable	Up to 5	Up to 2	Up to 2	1
Number of Voting Members	Up to 2	Up to 2	Up to 2	Up to 2	1
Receive MRC's weekly newsletter and discount on Resource Recycling Magazine (\$42/year).	✓	✓	✓	✓	✓
Use of MRC logo on your website	✓	✓	✓	✓	✓



* **ADDITIONAL MEMBER \$75**
Your organization may add additional non-voting individuals to receive the benefits of membership.



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MEMBERSHIP BENEFITS

Be a part of Michigan's only dedicated statewide advocate for recycling and composting

Expand your knowledge of the industry through Coalition training and promotional programs, communications and activities

Network & Partner with public and private sector recyclers and organics managers throughout the state

Impact policy and legislation that may affect your business or organization with timely information, updates and representation

Promote your company or organization to professional recycling and composting members across the state

Receive member discounts for MRC programs, training, workshops, and conferences

Connect and work with colleagues to advance MRC's vision and mission through Board and Committee work

Access to the MRC member only portal and MRC Listserv where members share contacts, information, issues, ideas and solutions

Use the "MRC Member" logo to promote your support of recycling and composting

And so much more.



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MEMBERSHIP APPLICATION/RENEWAL



michiganrecyclingcoalition

MEMBERSHIP

MEMBERSHIP LEVEL (check below)

Promoter \$ CONTACT MRC
 Corporate \$750 \$ ADDITIONAL MEMBERS @ \$75 EA.
 Business \$350 \$ ADDITIONAL MEMBERS @ \$75 EA.
 Nonprofit/Government \$200 \$ ADDITIONAL MEMBERS @ \$75 EA.
 Individual \$75

MEMBERSHIP PAYMENT \$ TOTAL AMOUNT

CARD NO. (MASTERCARD/VISA ONLY) EXP. DATE

NAME ON CARD CVC

SIGNATURE

BILLING ADDRESS WITH ZIP CODE

CONTACT NAME TITLE

COMPANY/ORGANIZATION

ADDRESS

CITY STATE ZIP

EMAIL PHONE

NAME PHONE

EMAIL PHONE

NAME PHONE

EMAIL PHONE

LIST ADDITIONAL NAMES AND CONTACT INFO ON A SEPARATE SHEET

ADDITIONAL MEMBERS



JANUARY	LBS	% Change from Previous Month
Arcadia Twp	7,568.0	-25%
Betsie Valley	10,010.0	-6%
Brown Twp	6,741.0	3%
Maple Grove Twp	6,440.0	-54%
Onekama Twp	14,261.0	7%
JANUARY TOTALS	45,020.0	-18%
FEBRUARY		
Arcadia Twp	7,906.0	4%
Betsie Valley	8,127.0	-19%
Brown Twp	5,440.0	-19%
Maple Grove Twp	4,465.0	-31%
Onekama Twp	10,822.0	-24%
FEBRUARY TOTALS	36,760.0	-18%
MARCH		
Arcadia Twp	9,257.0	17%
Betsie Valley	7,993.0	-2%
Brown Twp	5,617.0	3%
Maple Grove Twp	5,505.0	23%
Onekama Twp	13,708.0	27%
MARCH TOTALS	42,080.0	14%
APRIL		
Arcadia Twp	8,150.0	-12%
Brown Twp	4,845.0	-14%
Maple Grove Twp	5,117.0	-7%
Onekama Twp	12,041.0	-12%
Springdale Twp	5,307.0	-34%
APRIL TOTALS	35,460.0	-16%
MAY		
Arcadia Twp	13,953.0	71%
Brown Twp	6,094.0	26%
Maple Grove Twp	7,028.0	37%
Onekama Twp	17,696.0	47%
Springdale Twp	3,849.0	-27%
MAY TOTALS	48,620.0	37%
JUNE		
Arcadia Twp	12,060.0	-14%
Brown Twp	4,247.0	-30%
Maple Grove Twp	5,229.0	-26%
Onekama Twp	14,800.0	-16%
Springdale Twp	3,264.0	-15%
JUNE TOTALS	39,600.0	-19%

JULY	LBS	% Change from Previous Month
Arcadia Twp	15,164.6	26%
Brown Twp	6,460.0	52%
Maple Grove Twp	8,443.0	61%
Onekama Twp	20,513.4	39%
Springdale Twp	4,639.0	42%
JULY TOTAL	55,220.0	39%
AUGUST		
Arcadia Twp	22,338.3	47%
Brown Twp	6,175.0	-4%
Maple Grove Twp	8,945.0	6%
Onekama Twp	25,972.7	27%
Springdale Twp	6,849.0	48%
AUGUST TOTAL	70,280.0	27%
SEPTEMBER		
Arcadia Twp	13,087.1	-41%
Brown Twp	5,849.0	-5%
Maple Grove Twp	5,869.0	-34%
Onekama Twp	17,245.9	-34%
Springdale Twp	3,349.0	-51%
SEPTEMBER TOTAL	45,400.0	-35%
OCTOBER		
Arcadia Twp	12,027.0	-8%
Brown Twp	4,889.0	-16%
Maple Grove Twp	4,942.0	-16%
Onekama Twp	14,605.0	-15%
Springdale Twp	4,017.0	20%
OCTOBER TOTAL	40,480.0	-11%
NOVEMBER		
Arcadia Twp		
Brown Twp		
Maple Grove Twp		
Onekama Twp		
Springdale Twp		
NOVEMBER TOTAL		
DECEMBER		
Arcadia Twp		
Brown Twp		
Maple Grove Twp		
Onekama Twp		
Springdale Twp		
DECEMBER TOTAL		

YEAR TO DATE (in lbs.)	458,920.0
YEAR TO DATE (tons)	229.5

Year to date comparison by site

Totals in pounds	Jan-Oct 2015	Jan-Oct 2016
Arcadia Twp	109,097.0	121,511.0
Brown Twp	51,796.0	56,357.0
Maple Grove Twp	83,634.0	61,983.0
Onekama Twp	141,985.0	161,665.0
Springdale Twp	96,987.0	57,404.0
Totals in pounds	483,499.0	458,920.0

Totals in tons	Jan-Oct 2015	Jan-Oct 2016
Arcadia Twp	54.5	60.8
Brown Twp	25.9	28.2
Maple Grove Twp	41.8	31.0
Onekama Twp	71.0	80.8
Springdale Twp	48.5	28.7
Totals in Tons	241.7	229.5

https://www.energystar.gov/buildings/owners_and_managers/existing_buildings/use_portfolio_manager/track_waste_materials

New! Use Portfolio Manager to track waste and materials

Taking steps to reduce your environmental impact and cut operating costs? Here's some good news!

EPA has added **new waste tracking functionality** to its ENERGY STAR Portfolio Manager tool! Now you can manage **energy, water, and waste** – all in one secure online environment.

How can Portfolio Manager help?

Portfolio Manager has already helped thousands of U.S. organizations benchmark and improve energy performance, prioritize efficiency measures, and verify energy reductions of 10, 20, or even 30 percent or more in buildings, representing huge financial savings.

Now that same proven approach can be applied to waste and materials management.

Unifying energy, water, and waste under one virtual “roof” is a sustainability game-changer for many companies. This “tracking trifecta” is a powerful way to streamline your sustainability management program and gain a bird’s eye view of your environmental footprint and resource costs.

Why track waste and materials?

1. It saves money and increases revenue.

The list of benefits is long, but it starts at the bottom line.

- General Motors (GM) generates **\$1 billion** in revenue each year through its recycling program.
- In 2013, PepsiCo avoided **\$3 million** in landfill costs.
- Toyota has achieved **\$1.3 million** in net savings from waste management.

2. It matters to your community.

Tackling waste is important for cultivating a socially responsible corporate identity.

- **60 percent** of global consumers want to buy from environmentally responsible companies.
- **90 percent** of organizations consider sustainability strategy important or very important for attracting top talent.

3. It reduces your environmental impact.

Managing waste and materials protects the environment and reduces strain on resources.

- **Reducing waste at the source** is the most environmentally preferred strategy.
- Reuse and recycling programs **reduce demand on natural resources**.
- Sustainable use of materials helps our society remain **economically competitive**.