



# Manistee County Board of Commissioners

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

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Jeffrey Dontz  
VICE-CHAIRPERSON  
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Mark Bergstrom  
Karen Goodman  
Ken Hilliard  
Alan Marshall  
Richard Schmidt

CLERK

Jill Nowak  
(231) 723-3331

CONTROLLER/ADMINISTRATOR

Thomas Kaminski  
(231)398-3504

## GREEN TEAM/RECYCLING COMMITTEE MINUTES

Thursday, May 26, 2016  
3:00 p.m.

Manistee County Courthouse & Government Center  
Board of Commissioners Meeting Room

### MINUTES

Members Present: Karen Goodman and Alan W. Marshall

Members Absent: Brook Shafer, Chairperson.

Others Present: Sarah Archer, Iris Waste Diversion Specialists; Kevin Summers, SEEDS Education Specialist; Julie Schmeling, Administrative Secretary; Jill M. Nowak, Manistee County Clerk.

The meeting was called to Order at 3:03 p.m.

**NOTE – Items requiring Board Action are indicated in BOLD**

### SARAH ARCHER – P.A. 69 RECYCLING UPDATE

Sarah Archer, Iris Waste Diversion Specialists, Inc. appeared before the Committee to give the monthly Recycling Program Report ending May 26, 2016 (Appendix A). Ms. Archer reviewed the report with the Committee and noted the volume is less most likely due to the change in the location of the recycling trailer from Betsie Valley to Springdale Township. The message board has been installed at the Springdale Township site. Mr. Marshall indicated he will check on other locations in that area.

There has been illegal dumping at Onekama Township recycling site. The Sheriff's Deputy has contacted the offender and advised him to stop dumping. The County Prosecutor's Office has declined to prosecute this type of case.

Ms. Archer reported on the Regional Recycling Initiative. Tim Erwin anticipates hearing about the decision to fund the grant proposal soon.

**ENERGY REPORTS**

Julie Schmeling reviewed the Energy Reports (Appendix B) for the Courthouse, Sheriff's Department and Health Department for year ending 2-29-16. In comparison to the previous year, it was noted that the water consumption is down but the costs has increased. This was attributed to the City of Manistee water rates. Overall, the energy consumption and costs look good.

**OTHER ITEMS**

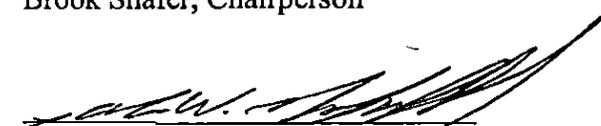
Mr. Marshall pointed out that the County's Strategic Plan specifically identified agriculture and hopefully the work done by AES for the grant and recycling will support each other.

The meeting was adjourned at the Call of the Chair at 3:35 p.m.

ABSENT

\_\_\_\_\_  
Brook Shafer, Chairperson

  
\_\_\_\_\_  
Karen Goodman

  
\_\_\_\_\_  
Alan W. Marshall

# APPENDIX A

**Manistee County Green Team  
Recycling Program Report – May 26, 2016  
Sarah Archer, Iris Waste Diversion Specialists, Inc.**

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

Meeting Attendance

- Green Team – April 28
- Manistee Chapter Michigan Townships Association Annual Dinner – May 25

Current Volume Report

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

January	45,020	April	35,460	July		October	
February	36,760	May		August		November	
March	42,080	June		September		December	
Total To-Date							159,320

- April 2016 volume was down from April 2015 by 7%.
- Total Year to Date Program costs are \$1,029.43 lower than 2015.

Education

- Monthly e-newsletters sent – May
- In keeping with the theme, "Safe and Secure Counties", HHW and battery recycling information was provided for display during National County Government Month at the County building.

Operations

- A request has been made with Facilities to install the message center at Springdale Township.
- Recyclables from the PA69 recycling program are now being delivered by Area 31 Recycling to the Material Recovery Facility owned and operated by American Waste in Traverse City.
- The Onekama site monitor has resigned and a new site monitor is being recruited.
- Multiple incidents of illegal dumping of non-acceptable items at the Onekama Township recycling site were reported to the Sheriff. The culprit was contacted by a Sheriff's Deputy and advised to stop dumping and recycle properly. The Sheriff's office discussed these situations with the County Prosecutor's office and they will not prosecute these types of complaints of dumping unaccepted materials but may prosecute if someone is dumping normal garbage and caught on camera.

Other

- FY 2016-2017 budget request has been submitted to County Administrator/Controller.
- Regional Recycling Initiative - Tim Ervin (AES) anticipates hearing about decision to fund the grant proposal for a Federal Business Development Grant submitted on February 28.

- Sarah attended the annual conference of the Michigan Recycling Coalition/Governor's Recycling Summit held in Plymouth from May 3-5. Some points of interest:
  - Highlights of 2014 Measurement Study results (funded with DEQ recycling grant)
    - Michigan's recycling rate is 15.3%
    - The recycling industry directly supports 35,954 jobs
      - Which represents 1.74% of total employment in Michigan
    - The recycling industry represents 2.56% of Michigan's total economic output
  - There is a shift from weight/volume goals to carbon impact goals when measuring resource recovery activities. With the loss of materials (i.e., newspapers), weight and size reductions in product packaging, and the introduction of non-recyclable hybrid packaging (i.e., food and beverage "pouches") weight/volume based diversion goals may be a challenge to achieve or may falsely indicate stagnation in recycling rates/participation.
  - Organic materials (food scraps, wasted food) are the next target for recovery and diversion since they represent over 40% of materials sent to landfill each year.
  - Industry experts indicated the need to develop a "circular economy" that develops infrastructure, creates policy and supports the entire chain. The example: the Canadian government incentivized farmers to buy solar panels for on farm energy generation. Policy was implemented to require Canadian built components. This fueled and funded the solar industry.

Manistee County PA 69 Recycling Program Monthly Volume Data Report

April 2016

A-3

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%
<b>JANUARY TOTALS</b>	<b>45,020.0</b>	<b>-18%</b>

FEBRUARY	LBS	% Change from Previous Month
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%
<b>FEBRUARY TOTALS</b>	<b>36,760.0</b>	<b>-18%</b>

MARCH	LBS	% Change from Previous Month
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%
<b>MARCH TOTALS</b>	<b>42,080.0</b>	<b>14%</b>

APRIL	LBS	% Change from Previous Month
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%
<b>APRIL TOTALS</b>	<b>35,460.0</b>	<b>-16%</b>

MAY	LBS	% Change from Previous Month
Arcadia Twp		
Brown Twp		
Maple Grove Twp		
Onekama Twp		
Springdale Twp		
<b>MAY TOTALS</b>		

JUNE	LBS	% Change from Previous Month
Arcadia Twp		
Brown Twp		
Maple Grove Twp		
Onekama Twp		
Springdale Twp		
<b>JUNE TOTALS</b>		

JULY	LBS	% Change from Previous Month
Arcadia Twp		
Brown Twp		
Maple Grove Twp		
Onekama Twp		
Springdale Twp		
<b>JULY TOTAL</b>		

AUGUST	LBS	% Change from Previous Month
Arcadia Twp		
Brown Twp		
Maple Grove Twp		
Onekama Twp		
Springdale Twp		
<b>AUGUST TOTAL</b>		

SEPTEMBER	LBS	% Change from Previous Month
Arcadia Twp		
Brown Twp		
Maple Grove Twp		
Onekama Twp		
Springdale Twp		
<b>SEPTEMBER TOTAL</b>		

OCTOBER	LBS	% Change from Previous Month
Arcadia Twp		
Brown Twp		
Maple Grove Twp		
Onekama Twp		
Springdale Twp		
<b>OCTOBER TOTAL</b>		

NOVEMBER	LBS	% Change from Previous Month
Arcadia Twp		
Brown Twp		
Maple Grove Twp		
Onekama Twp		
Springdale Twp		
<b>NOVEMBER TOTAL</b>		

DECEMBER	LBS	% Change from Previous Month
Arcadia Twp		
Brown Twp		
Maple Grove Twp		
Onekama Twp		
Springdale Twp		
<b>DECEMBER TOTAL</b>		

<b>YEAR TO DATE (In lbs.)</b>	<b>159,320.0</b>
<b>YEAR TO DATE (tons)</b>	<b>79.7</b>

# APPENDIX B

Green Team Reports  
 Date Generated: 05/24/2015 01:37 PM EDT  
 Number of properties in report: 1

Property Id	Property Name	Year Ending	Electricity Use - Grid Purchase (kWh)	Natural Gas Use (therms)	Energy Cost (\$)	Energy Cost Intensity (\$/sq ft)	Total Water Cost (All Water Sources) (\$)	Electricity (Grid Purchases) Cost (\$)	Natural Gas Cost (\$)	Water Use (All Water Sources) (gpd)	Total GHG Emissions (Metric Tons CO2e)
1417438	Manistee County, MI - Courthouse &	2/29/2016	309816	13498.95402	52404.85	1.36	4972.7	41951.48	10453.37	172.9	301.9
1417438	Manistee County, MI - Courthouse &	2/28/2015	314026.3	15079.16344	56230.26	1.45	4498.56	47802.61	13427.64	190.3	313.4

# Courthouse Year Ending 2/29/16

B-2

Green Team Reports  
 Date Generated: 05/24/2016 01:29 PM EDT  
 Number of Properties in reports: 1

Property ID	Property Name	Year Ending	Electricity (Use - Grid Purchase) (kWh)	Natural Gas Use (Therms)	Energy Cost (\$)	Energy Cost Intensity (\$/sq ft)	Total Winter Cost (All Winter Sources) (\$)	Electricity (Grid Purchase) Cost (\$)	Natural Gas Cost (\$)	Water Use (All Water Sources) (gpd)	Total GHG Emissions (Metric Tons CO2e)
1707153	Manistee County, MI - Health Department	2/29/2016	71653.9	2063.849625	12824.64	1.19	1294.48	11073.39	1751.45	53.1	64.2
1707153	Manistee County, MI - Health Department	2/28/2015	78503.2	2530.047641	14254.77	1.32	1208.92	11699.8	2554.97	81.3	71.8

# Health Department Year Ending 2/29/16

B-3

Green Team Reports  
 Date Generated: 05/24/2016 01:32 PM EDT  
 Number of properties in report: 1

Property Id	Property Name	Year Ending	Electricity Use - Grid Purchases (MWh)	Natural Gas Use (Normal)	Energy Cost (\$)	Energy Cost Intensity (MWh)	Total Water Cost (All Water Sources) (\$)	Electricity (Grid Purchase) Cost (\$)	Natural Gas Cost (\$)	Water Use (All Water Sources) (gpd)	Total GHG Emissions (Metric Tons CO2e)
1424945	Manistee County, MI - Sheriff's Office	2/29/2016	448884.9	19565.84454	64179.76	2.69	10813.13	53619.75	10560.01	1297.9	437.5
1424945	Manistee County, MI - Sheriff's Office	2/28/2015	433289.9	23541.57097	69033.09	2.89	13863.29	57806.71	16745.88	1378.4	447

# Sheriff's Office & Jail Year Ending 2/29/16