



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, June 26, 2014
2:00 P.M.

Manistee County Courthouse & Government Center
Board of Commissioners Meeting Room

AGENDA

- 1) Courthouse, Sheriff's Office/Jail, and Health Department Utility Use (APPENDIX A)
- 2) Sarah Archer - P.A. 69 Recycling Update (APPENDIX B)
 - Data Tracking Software Update
- 3) Other Items From Committee Members
- 4) Adjournment

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APPENDIX A.1

Courthouse & Government Center Electricity Use (kWh)

Month	Difference Between 2010 & 2011	Difference Between 2011 & 2012	Difference Between 2012 & 2013	Difference Between 2013 & 2014
January	-6,400	-2,240	-640	0
February	-1,280	-2,080	+1,760	-3,200
March	+640	+1,600	-2,880	-800
April	-1,280	-2,880	+640	-480
May	-480	+1,760	-1,280	
June	-5,920	-1,280	-960	
July	-960	-1,440	+320	
August	-10,080	-1,280	+2,080	
September	-8,000	+4,800	+1,440	
October	-5,120	+320	+4,640	
November	-8,640	+4,800	+480	
December	-3,520	+1,920	-640	
TOTAL YEAR	-51,040 17% decrease	+4,000	+4,960	

**Courthouse & Government Center
Natural Gas Use (Ccf)**

Month	Difference Between 2010 & 2011	Difference Between 2011 & 2012	Difference Between 2012 & 2013	Difference Between 2013 & 2014
January	+408	-797	+832	+609
February	+538	-524	+479	+792
March	+740	-1,272	+1,105	-696
April	+469	-373	+1,513	
May	-81	-70	+86	
June	-1	-3	+12	
July	-3	+1	-23	
August	-1	+2	-39	
September	+18	-48	-88	
October	+152	+51	-134	
November	-561	+317	+171	
December	-906	+27	+514	
TOTAL YEAR	+772 7% increase			

**Courthouse & Government Center
Water Use (kgal)**

Month	Difference Between 2010 & 2011	Difference Between 2011 & 2012	Difference Between 2012 & 2013	Difference Between
January	-1	0	+2	-1
February	+1	+1	-2	+1
March	+2	0	-1	0
April	0	+3	+1	
May	-1	+2	-1	
June	+3	+1	-2	
July	-3	+10	-9	
August	+4	+10	-9	
September	0	-3	+3	
October	0	+4	-4	
November	-2	0	-1	
December	0	-4	-4	
TOTAL YEAR	+3 2% increase	+24	-27	

**Sheriff's Office/Jail
Electricity Use (kWh)**

Month	Difference Between 2010 & 2011	Difference Between 2011 & 2012	Difference Between 2012 & 2013	Difference Between 2013 & 2014
January	+10,725	-10,720	+2,240	-9,120
February	+5,271	-4,480	+2,240	+1,120
March	+6,721	-3,680	-1,600	+2,880
April	+4,471	-5,600	+8,800	-5,440
May	+4,637	+1,600	-3,840	
June	+3,196	-5,120	+1,120	
July	-2,083	+3,360	-480	
August	+8,966	0	-2,240	
September	+960	+160	+960	
October	-806	+1,920	+1,760	
November	-804	+640	+2,080	
December	+5,666	+1,920	-640	
TOTAL YEAR	+46,920 12% increase	-10,000	+10,400	

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**Sheriff's Office/Jail
Natural Gas Use (Ccf)**

Month	Difference Between 2010 & 2011	Difference Between 2011 & 2012	Difference Between 2012 & 2013	Difference Between 2013 & 2014
January	+422	+15	+315	+1,329
February	+823	-536	+572	+858
March	+1,166	-1,375	+732	
April	+748	-530	+771	
May	+357	-394	+67	
June	+167	-247	-32	
July	+132	-86	+144	
August	+186	-70	+207	
September	+36	+35	-171	
October	+39	+429	-66	
November	+443	+30	+3	
December	-146	-91	+1,637	
TOTAL YEAR	+4,373/yr 23% increase			

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**Sheriff's Office/Jail
Water Use (kgal)**

Month	Difference Between 2010 & 2011	Difference Between 2011 & 2012	Difference Between 2012 & 2013	Difference Between 2013 & 2014
January	+14	-39	+109	+8
February	+56	-102	+21	+35
March	+53	-73	+29	+51
April	+1	-9	+30	
May	-18	+6	+69	
June	+36	-74	+24	
July	-33	+8	+69	
August	+29	-32	+115	
September	-102	-7	+38	
October	-39	+22	-1	
November	-45	+67	-31	
December	-46	+19	+18	
TOTAL YEAR	-94 6% decrease	-214		

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**Health Department
Electricity Use (kWh)**

Month	Difference Between 2010 & 2011	Difference Between 2011 & 2012	Difference Between 2012 & 2013	Difference Between 2013 & 2014
January	-1,080	+840	+80	0
February	-1,080	+660	+500	+1,390
March	+490	+390	-910	+420
April	+520	+310	+70	+520
May	-60	+680	-890	
June	-900	+2,290	-2,680	
July	+680	+950	-730	
August	+620	-510	-850	
September	+510	+560	-1,020	
October	-340	+600	+210	
November	-930	+810	+260	
December	+700	+810	+120	
TOTAL YEAR	-870 2% decrease	+8,390	-5,840	

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**Health Department
Natural Gas Use (Ccf)**

Month	Difference Between 2010 & 2011	Difference Between 2011 & 2012	Difference Between 2012 & 2013	Difference Between 2013 & 2014
January	+32	-41	+33	+141
February	+35	-17	+28	+116
March	+105	-98	+176	-54
April	+133	-39	+21	
May	+37	+17	-58	
June	+11	-31	-5	
July	-2	0	+3	
August	+1	-2	+50	
September	-36	-10	+16	
October	+5	+30	+26	
November	+108	+25	+25	
December	-2	-42	+279	
TOTAL YEAR	+427 24% increase	-208	+594	

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**Health Department
Water Use (kgal)**

Month	Difference Between 2010 & 2011	Difference Between 2011 & 2012	Difference Between 2012 & 2013	Difference Between 2013 & 2014
January	-6	+1	+1	-2
February	+2	+1	-2	-3
March	-3	-1	-1	-1
April	-2	+1	-1	
May	0	-2	-2	
June	-1	0	-3	
July	-3	-3	+2	
August	+3	+2	-5	
September	-2	+1	-4	
October	-1	0	-1	
November	0	0	-3	
December	0	-1	0	
TOTAL YEAR	-13 16% decrease	-1	-19	

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**Manistee County Green Team
Recycling Program Report – June 26, 2014
Sarah Archer, Iris Waste Diversion Specialists, Inc.**

**APPENDIX
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The following is a summary of Recycling Program activity since the May 2014 Green Team meeting.

Meeting Attendance

- Manistee Michigan Townships Association Annual Dinner – Bear Lake – May 28
- Green Team – May 29

Current Volume Report

Total weight (pounds) of materials collected from 5 recycling drop-off sites. May data has not been verified therefore is not included in this report.

January	48,220	April	59,114	July		October	
February	41,120	May	unverified	August		November	
March	40,380	June		September		December	
Total To-Date							188,834

Education

- June E-newsletter sent.
- Message Centers have been approved for installation at all sites with the exception of Betsie Valley School, which is being delayed pending determination of relocation.
- Article sent to Manistee News Advocate – *Are You Recycling at Your Neighbors Expense?*

Budget

- Camp Arcadia has agreed to pay business user fee to recycle at Arcadia Township site. They are the first business to step up and take fiscal responsibility for their impact on the program and are proud to lead the way for commercial recycling.

Northwest Michigan Council of Governments, Solid Waste Advisory Committee

- ReTRAC, a recycling industry data tracking software, was demonstrated at the May 27 meeting. A quote has been received for 11 licenses, one for each county and one for NWMCOG. The cost to each county is \$150 annually. The software is user friendly and data that is put into the program can be easily used for creating various types of reports. More detailed information about the software and license agreements is forthcoming.

Operations

- Message Centers
 - Message Center installation complete at Onekama Township site.
- Fortress Security quote is forthcoming. The quote has been delayed due to a misunderstanding about which building the camera and equipment is to be housed in. They assumed it to be the same building where Mary Pitcher attempted to place camera.
- PCA Trailer in Kaleva. Contacted SEEDS to determine interest in managing trailer. They are very interested in working with us.

Other

- Mercury Collection Program – Free collection program for thermostats, thermometers, gauges, switches. Order collection bucket and collect through September 2104.

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PARTICIPATION IS EASY AND IT'S FREE



MICHIGAN MERCURY COLLECTION PROGRAM

GREAT LAKES RESTORATION INITIATIVE

The Great Lakes Mercury Collection Program is providing FREE mercury collection services to Michigan areas and business sites.

EQ – The Environmental Quality Company has partnered with the State of Michigan to facilitate the collection of mercury through this program. EQ will ensure proper recycling methods which will reduce the amount of mercury from entering our environment. EQ is the leader in sustainable solutions and is the answer for the safe and compliant handling of all mercury devices.

HOW DOES IT WORK?

- 1 Contact EQ for your FREE collection bucket/box and instruction kit by calling 734-547-2517 or by e-mailing mercurybucket@eqonline.com
- 2 Wait for EQ's common carrier, UPS, to deliver the collection container to your door
- 3 Place your mercury switches or other in-tact devices inside your collection bucket
- 4 Apply the return UPS label (included with your bucket) and return to EQ

IT'S THAT EASY! Mail-back program is intended for the collection of in-tact mercury devices only. While the collection of elemental mercury is not excluded from this program, it will require a less-than-truckload container management pickup. Call or e-mail EQ for pick-up services.

WHO CAN PARTICIPATE?

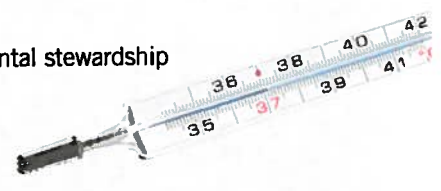
- Marinas
- Schools
- Universities
- Appliance Repair Shops
- Golf Courses
- Residents
- ANYONE

WHY SHOULD I PARTICIPATE?

- Mercury is toxic
- Keep these items out of the trash (When products containing mercury are placed in the trash or mercury is poured down the drain, it does not disappear)

WHY DOES IT MATTER?

- Demonstrate your environmental stewardship in the community
- Recycling is our business and it is good for the environment



EXAMPLES OF SOME COMMON ITEMS THAT CONTAIN MERCURY:

- **Thermostats:** non-electronic
- **Thermometers:** silver-colored liquid inside
- **Gauges:** barometers, manometers, blood pressure and vacuum gauges with silver colored liquid
- **Switches, Relays and Sensors:** appliances, farm equipment, float, tilt and pressure switches, etc.
- **Dental Amalgam:** material used in dentistry
- **Hygrometers and Hydrometers:** moisture and gravity measurement instruments
- **Elemental Mercury:** silver-colored liquid metal

! Fluorescent bulbs are excluded from this program



HURRY! TIME IS LIMITED!
THIS FREE PROGRAM WILL ONLY RUN THROUGH
SEPTEMBER 2014!
CALL OR E-MAIL EQ TODAY FOR YOUR
FREE COLLECTION BUCKET!
734-547-2517
MERCURYBUCKET@EQONLINE.COM



Great Lakes RESTORATION

Sustainable Solutions
THE ENVIRONMENTAL QUALITY COMPANY