MCLEAN COUNTY SOLID WASTE



PROGRAM 2015 ANNUAL REPORT

ECOLOGY ACTION CENTER

THE ECOLOGY ACTION CENTER HAS COMPLETED THE FOLLOWING ITEMS IN FULFILLMENT OF THE SOLID WASTE AND WASTE REDUCTION EDUCATION PROGRAM AGREEMENT OF JANUARY 1, 2014.

LEADING INDICATORS

Goal: Visit **70%** of eligible classrooms in McLean County, Bloomington, and Normal for elementary school recycling and waste reduction education programs. Reaching this target means directly engaging with approximately 1,500 students.

✓ There are 83 Fourth grade classrooms in McLean County, which includes all public and private schools.
 We visited 63 of the possible 83 classrooms during 2015, and reached 1,578 students. This represents 76% of eligible classrooms, which exceeds our goal.¹

Goal: Visit **60%** of public libraries within McLean County, Bloomington and Normal and provide a summer reading program on recycling and waste reduction topics. Reaching this target means directly engaging with approximately 300 library patrons.

✓ There are 14 public libraries in McLean County. We visited 9 of the 14 public libraries in McLean County in the summer of 2015, and educated 321 people. This represents 64%, which exceeds our goal.

Goal: Provide recycling and waste reduction education programs at **80%** of after school programs, reaching approximately 200 students. This year's target group includes 8 after school programs.

✓ In 2015, we visited 8 after school programs with a total of 396 students. We reached 100% of targeted schools.

Goal: Provide recycling and waste reduction presentations for **25** local groups or approximately 750 individuals including civic groups, scouts, preschools, non-target school groups, university classes. ²

✓ In 2015, we gave presentations for 32 groups (128% of goal), and reached 1088 people (145% of goal).

Goal: Promote recycling and sustainable practices to direct audiences utilizing social media channels including Facebook, Twitter, LinkedIn, and YouTube with a target of **30,000** interactions annually.

✓ In 2015, our social media posts resulted in 177,865 interactions, representing 593% of our goal.

Goal: Provide and promote comprehensive online resources on recycling and waste disposal for Bloomington, Normal, and McLean County with a target of **12,000** visits to these pages annually.

✓ Our online resources were visited 34,162 times in 2015, 284% of our goal.

2015 TOTAL REACH: 587,948 INTERACTIONS DIRECT (PROGRAMS, EVENTS, PHONE INQUIRIES): 24,577 MEDIA (NEWSPAPER, RADIO, SOCIAL MEDIA, WEB): 563,371

¹ This report is based on calendar year while educational visits to classrooms are based on the school year. Additional programs are scheduled for early 2016 which will be reflected on the 2016 annual report. In practice, we routinely visit over 85% of eligible classrooms each school year.

² In practice the EAC provides these programs for nearly 100% of those requesting the services.

LAGGING INDICATOR

As the main goals of the McLean County Solid Waste Program are to increase recycling while increasing source reduction, the annual measurement and reporting of these rates by the EAC can act as lagging indicators of the success of outreach efforts. However, the value of this performance indicator is also limited by other factors impacting recycling and waste generation rates, such as accessibility of recycling programs and macroeconomic forces. While quantifying source reduction of municipal solid waste is problematic, tracking recycling rates is much more reliable. Per the 2012 Five Year Update to the McLean County Integrated Solid Waste Management Plan, the county-wide recycling rate goal is currently set at 40%, which will also serve as the EAC's target for purposes of this indicator. **The 2014 recycling rate held steady at 37.7%, matching that of 2013.** The total weight of materials **recycled was the highest recorded for McLean County, at 85,196 tons.** However, at the same time the total waste generated in McLean County increased by 15.5%.

HOUSEHOLD HAZARDOUS WASTE (HHW) COLLECTION

- The EAC successfully held a locally funded Household Hazardous Waste Collection in October 2015 for McLean County residents.
- 1,600 cars passed through the event; 2,256 total households participated.
- A record amount of hazardous waste was collected— 27,366 gallons of materials, with an additional 20,500 pounds of e-waste collected.
- 97 volunteers put in 291 hours of work to assist the EAC staff in managing the event.
- Through several months of fundraising, the EAC raised \$42,703 in private contributions, sponsorships, and donations of in-kind services to supplement the \$140,000 in local government funding provided for the event. Total event costs (excluding EAC staff time) came to about \$150,000, leaving over \$30,000 in dedicated funding for the 2017 McLean County Household Hazardous Waste Collection.
- Two educational videos on Household Hazardous Waste reduction and disposal produced and promoted online through EAC's social media channels.



- Many months of planning on the part of the EAC staff went into this event, including negotiating site with Mitsubishi Motors North America, permitting process with the Illinois EPA, researching risk management and liability issues, developing marketing/advertising/fundraising strategies, and volunteer coordination.
- Spring HHW email update sent to 1,220 subscribers and posted to social media.
- Extensive promotions of fall HHW Collection including:
 - Early coverage by Pantagraph, WJBC and WGLT announcing event and fundraising needs

- Live event announcement on WGLT radio in August
- o Email blast announcement on WGLT in August
- Interview on WJBC radio in August
- o September HHW interview on WGLT
- o HHW promotional underwriting spots on WGLT in September
- HHW direct mailing to 7,900 residents in McLean County
- HHW Facebook ad campaign –22,408 views
- HHW presentation to Rotary club (50 people)
- Pantagraph story in September

SOLID WASTE COORDINATOR ACTIVITIES

- Initiated process to create a new community-wide Integrated Solid Waste Management Plan including spending two months researching alternative strategies and technologies to consider for inclusion in the new plan. Attended field trip to waste-toenergy incinerator in Indianapolis with Public Works staff from Normal and Bloomington. Planning process will continue through the first half of 2016.
- Multiple solid waste consultations performed for local entities including assisting with a permit modification application, increasing visibility for a local waste company, and inquiries regarding the McLean County Integrated Solid Waste Plan.
- Facilitated quarterly Solid Waste Technical Committee Meetings including follow-up submission of materials to the McLean County Land Use Committee.
- Oversaw the closure of the McLean County Compact Fluorescent Lamp (CFL) recycling program after seven years due to increased availability of privately funded recycling options. Over the course of the program, an estimated 28,832 lamps were recycled, preventing 115,329 milligrams of mercury from release into our environment.
- Ongoing administration and promotion of Household
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Battery recycling program in partnership with Interstate Batteries, Batteries Plus, and Springfield Electric. In response to declining funding and unprecedented increases in recycling costs, the program ceased accepting alkaline batteries late in the year. While these are legal to dispose of in the trash, it is preferable that residents hold them for a future Household Hazardous Waste collection. (25,945 pounds recycled in 2015)

• Ongoing administration of Plastic Pot Recycling Program; at year end the program was on hiatus due to lack of available space for the program. A search is on for a new location in order to continue the program.

- Participated in the Bloomington Comprehensive Plan Process on the Natural Environment workgroup to provide consultation on the community-wide solid waste related planning and efforts.
- Performed annual residential waste audit to determine trends in waste generation and usage of local recycling programs.
- E- waste recycling promoted utilizing grant from Illinois EPA. Campaign included radio spots aired over a period of two weeks on two local radio stations directing residents to local drop-off facilities that accept electronics for recycling. In addition, targeted social media ads were placed on Facebook encouraging residents to recycle their e-waste. A mailing was sent to 40 McLean County electronics retailers with two full-color posters showing information on local drop-off facilities that accept electronics for recycling. Retailers were encouraged to display posters prominently to fulfill their responsibilities under the state e-waste law. 24,000 residents reached through radio spots.
- EAC staff attended 2015 Illinois Recycling Conference and Trade Show held in East Peoria.
- Participation in ongoing efforts with the Illinois Product Stewardship Council to improve e-waste recycling regulations.
- Coordinated efforts to address local ramifications of statewide CRT (cathode ray tube) recycling crisis. Actions included increasing education efforts to the public about significantly reduced disposal options, working to bring all three local government partners on board to an intergovernmental agreement to equitably distribute the cost of CRT recycling, and serving on a state-wide e-waste subcommittee to work on resolution of the root causes of the CRT problem.

COMMUNITY-WIDE WASTE GENERATION AND RECYCLING RATE

- Surveyed area waste haulers, recyclers, municipalities, and institutions to gather data for calculation of county-wide 2014 municipal solid waste generation rate and recycling rate. **Reported new 2014 recycling rate as 37.7%, matching the 2013 recycling rate.**
- 85,196 tons of municipal solid waste were recycled in McLean County in 2014, representing more waste materials recycled than any time in the past five years. The 2014 recycling rate of 37.7% matches that of 2013, which is the highest recycling rate ever recorded in our community.
- While minor fluctuations in the recycling rate have occurred over the past several years especially during the economic recession, McLean County continues to inch closer to the community-wide recycling goal of 40%. This goal is established within the McLean County Integrated Solid Waste Management Plan, which is updated every five years.
- In addition to striving to meet the established goal, making additional progress in source reduction and further increased recycling is becoming increasingly important as it is estimated that less than two years of capacity remain in the McLean County Landfill. Upon closure of the landfill, waste will need to be transported farther from Bloomington-Normal, which is anticipated to increase costs. Delaying the inevitable landfill closure through more assertive waste management strategies can help conserve local financial resources.

Year	2009	2010	2011	2012	2013	2014
Total MSW Recycled (tons)	80,217	80,541	71,099	66,737	73,833	85,196
Total MSW Landfilled (tons)	148,089	134,325	136,927	116,290	121,991	141,068

Incinerated/Fuel Blended (tons)	-	-	-	52	0	0
Total Municipal Solid Waste Generated (tons)	228,306	214,866	208,026	183,079	195,824	226,264
Percent Change from Previous Year	-12.7%	-5.9%	-3.2%	-12.0%	7.0%	0%
Recycling Rate	35.1%	37.5%	34.2%	36.5%	37.7%	37.7%
Percent Change from Previous Year	-6.5%	6.7%	-8.8%	6.7%	3.4%	0%

EDUCATION AND OUTREACH

• Earth Schools Recycling and Waste Reduction Fourth grade presentations:

Benjamin (4 classes, 123 people), Carlock (1 class, 18 people), Epiphany (1 class, 33 people), Fairview (2 classes, 36 people), Glenn (2 classes, 49 people), Grove (4 classes, 102 people), Heyworth (3 classes, 74 people), Colene Hoose (4 classes, 105 people), Hudson (2 classes, 48 people), Irving (2 classes, 59 people), LeRoy (3 classes, 67 people), Lexington (2 classes, 34 people), Metcalf (2 classes, 51 people), Northpoint (5 classes, 105 people), Oakdale (3 classes, 75 people), Oakland (3 classes, 82 people), Olympia North (Danvers) (2 classes, 48 people), Parkside (2 classes, 67 people), Pepper Ridge (3 classes, 70 people), Ridgeview (Colfax) (2 classes, 51



people), St Mary's (1 class, 16 people), Stevenson (3 classes, 85 people), Sugar Creek (2 classes, 51 people), Towanda (1 class, 29 people), Tri Valley (Downs)(3 classes, 75 people), Trinity Lutheran (2 classes, 25 people)

Total schools: 26; Total Classrooms 63; Total Students Reached: 1,578

• Other K-12 School activities:

- Solid waste reduction and recycling programs for
 - Prairie Christian School (35 participants)
 - Boys & Girls Club summer program (2 programs, 48 participants)
 - IWU Summer Scientist program (1 program, 70 participants)
 - Epiphany Junior High 7th grade (1 program, 58 participants)
 - Unit 5 Alternative High School (1 program, 15 participants)
- o Garbage Monster waste reduction program at
 - Fox Creek Family Reading Night (1 presentation, 41 participants)

- Parkside 2nd Grade Family Night (1 presentation, 45 participants)
- Fox Creek 1st Grade (1 presentation, 20 participants)
- Center for Hope Ministries (1 presentation, 27 participants)
- Presentation at Oakdale School commending student Ellie Diggins for years of environmental stewardship, recycling and trash collection (300 students)
- Solid waste reduction and recycling program for robotics clubs (3 programs, 31 participants)
- "Michael Recycle" story & recycling program at 8 elementary school After School Programs: Grove, Oakdale, Colene Hoose, Sugar Creek, Glenn, Parkside, Fairview & Prairieland (8 programs, 396 participants)

• Preschool Garbage Monster Presentations:

- Rogy's Preschool (1 presentation, 18 participants)
- Epiphany Preschool (1 presentation, 60 participants)
- Little Jewels Preschool (1 presentation, 80 participants)
- Waste Reduction/Recycling program for Mulberry School (1 presentation, 50 participants)

• Scout activities:

- o Garbage Monster program for Brownie Scouts at Holy Trinity (1 program, 20 participants)
- Garbage Monster program for Girl Scouts at Boys & Girls Club (1 program, 30 participants)
- Performed a program about environmental stewardship to scouts from Northpoint School who were doing a clean-up and hike at Tipton Park (15 participants)
- University Programs:
 - Worked with representatives from ISU, Town of Normal, and the Habitat for Humanity ReStore to repeat the annual University Move-Out initiative to provide students who are moving out of dorms and apartments with resources to donate useful items to charity instead of sending them to the landfill.
 - Presentation for ISU Student Environmental Health Association (60 participants)
- Community solid waste reduction programs and information booths:
 - Booth at Sugar Creek Arts Festival, plus distributed refillable bottles to artists (350 people)
 - In partnership with Midwest Fiber offered food waste and paper napkin composting and recycling at Sweet Corn Blues Festival along with an information booth (1,417 booth visitors)
 - Participated in Fell Festival (30 people)
 - o Solid waste reduction and recycling program for St John's Lutheran group (35 participants)
 - o Garbage Monster program for families at ISU Art Gallery exhibit opening (25 participants)
 - State Farm Earth Day event (3 events, 165 people)
 - City of Bloomington Health Fair (75 people)
 - First Friday event in Downtown Bloomington Inside Out Art Coop (25 people)
 - Information table for Advocate-BroMenn Wellness Fair (50 participants)
 - Outreach at IRS Wellness Fair (72 people)
 - Information booth at ISU Wellness Fair (27 people)

- Booth at McLean County Chamber of Commerce non-profit showcase (30 people)
- We Care Twin Cities Run Expo
- Library Programs:
 - "Michael Recycle" Waste Reduction presentations at Bloomington Library (55 participants), Normal Library (30 participants), Chenoa (40 participants), Danvers (35 participants), Heyworth (19 participants), LeRoy (40 participants), Lexington (20 participants), Stanford (2 participants), and Towanda (2 programs, 80 participants).
 - Composting workshop at Bloomington Library (10 participants)
- Other Programs:
 - Presentation at Lions Club (35 participants) with emphasis on waste reduction
 - Presentation at Blair House (3 participants) with emphasis on waste reduction
 - Hosted Freecycle Free-For-All event at White Oak Park to encourage reuse of materials instead of disposal (60 participants)

OTHER ACTIVITIES

- Produced four quarterly EAC paper newsletters featuring solid waste issues among other topics. Mailed to approximately 270 households each issue and made available as free download on the EAC website.
- Sent monthly issues of the EAC Action News email newsletters to over 900 email addresses to promote general recycling and waste reduction; issues were also targeted to timely events such as HHW, recycling, vermicomposting and more.
- Promoted waste reduction, recycling, composting and proper disposal of household hazardous wastes through social media. EAC posted messages on its Facebook, Twitter, LinkedIn, and YouTube accounts on solid waste topics, with a resulting 172,695 views of these posts.
- Answered 935 phone calls and other inquiries about the disposal of household hazardous waste and recycling.
- Received 34,162 visits to solid waste, recycling, and hazardous waste related pages within EAC's website.
- Administration and promotion of McFreecycle, a free listserv on the internet for the free exchange of materials in McLean County to avoid disposal of useable items. (2,022 current members with an average of 84 messages exchanged monthly).
- Awarded the annual McLean County Green Awards at the April Illinois Sustainable Living and Wellness Expo. The McLean County Waste Reduction and Recycling Award recognized Home Sweet Home Ministries for their textile recycling efforts. The McLean County World of Difference Award was presented to Connect Transit's Andrew Johnson.
- Co-sponsored the Illinois Sustainable Living and Wellness Expo (ISLWE) at IWU. This year's event was
 purposefully designed to model "zero-waste" event planning: much of the literature was presented
 electronically instead of paper hand-outs, food service items were washable instead of disposable, and
 vendors were encouraged to not distribute extraneous trinkets. Less than one bag of total trash was
 collected at this event which had over 3000 participants. Event was publicized on WJBC and WGLT, with
 advertisements and interviews, reaching nearly 50,000 area residents.
- Coordinated "Renewable Fashion Challenge" program at ISLWE to promote textile reuse and waste reduction.

- Promoted and participated in Bloomington-Normal Clean Up Day in April, removing trash from a 1.6 mile stretch of Sugar Creek from Tipton Park to Audubon Gardens; Clean-Up Week was promoted on WGLT interview and through social media posts and paid advertisements.
- Promoted nontraditional recycling programs through annual America Recycles Day Mega Recycling Event in partnership with Illinois Wesleyan University in November. Over 135 households recycled thousands of pounds of electronics, textiles, light bulbs, batteries and garden pots. Each participant was given local listings for recycling these items anytime throughout the year.
- EAC sponsored Earth Day on WBNQ resulting in extensive coverage with hourly spots and an extensive live interview covering many solid waste topics; over 25,000 listeners.
- Participated as expert panelist for Midwest Fiber's "Ask the Experts" Earth Day Facebook promotion.





- Coordinated the We Care Twin Cities races as a demonstration "Zero Waste" event. This two day event includes a Kid's Run, 5K, 10K and Half Marathon. Managed event to avoid waste generation, increase use of reusables, and increase recycling; the event ultimately only landfilled about 5 pounds of waste for approximately 1500 people participating.
- Held five classes on composting with a total of 14 participants.
- Loan of special event recycling containers to Boy Scouts for May events, IWU for graduation events, Fusion Soccer Club for invitational tournament, and Danvers Days events.



Reduce your electronic waste.

E-Cycle!

Did you know that when outdated electronics are thrown out with the garbage, they can have a devastating impact on the environment?

E-waste is hazardous. Illinois state regulations PROHIBIT most consumer electronic waste disposal in landfills.

McLean County residents can recycle electronics locally at:



Best Buy

2103 N Veterans Pkwy Suite 200, Bloomington Mon-Sat 10:00 am-9:00 pm, Sun 11:00 am-8:00 pm Accepts tube-style TVs and monitors up to 32". Does not accept appliances or TVs that are consoles or rear-projections. Maximum 3 items a person.



ISHRenew

HOME SWEET HOME MINISTRIES

Town of Normal Public Works 1301 Warriner St., Normal Mon-Fri: 7 am-1:30 pm

Mon-Fri: 7 am-1:30 pm First Sat. of every month: 8 am - noon Accepts tube-style TVs and monitors.

Home Sweet Home Ministries

1700 W. Washington St., Bloomington 24 hour drop-off, OR Mission Mart

303 E. Oakland Ave., Bloomington Mon-Sat: 8 am - 4 pm Does not accept tube-style TVs and monitors.



Habitat For Humanity ReStore 1402 W. Washington St., Bloomington Tues-Fri: 10 am - 5 pm, Sat: 9 am - 4 pm Does not accept tube-style TVs and monitors.

These local recycling programs accept only residential waste. **They CANNOT accept business or commercial waste.** For information about business recycling options or for additional locations to recycle electronics in McLean County, please contact the Ecology Action Center.

Printed on recycled paper, of course!

WHAT ELECTRONICS CAN I RECYCLE?

- Cell Phones
- Televisions
- Monitors
- Printers & Scanners
- Computers & Tablets
- Keyboards & Mice
- MP3 Players
- DVD Players & Recorders
- Video Game Consoles
- Fax Machines
- Videocassette Recorders
- Small Scale Servers
- Digital Converter Boxes
- Cable & Satellite Receivers
- Stereo Equipment
- CDs & DVDs
- Holiday lights, electrical cords & just about anything with a cord



(309) 454-3169 www.ecologyactioncenter.org



Funded by the Illinois EPA



MCLEAN COUNTY HOUSEHOLD HAZARDOUS WASTE FUND

2015 mclean county household hazardous waste collection

post event report

HHWmclean.org

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summary

In October 2015, with a broad base of community support, the Ecology Action Center (EAC) repeated the successful public-private strategy of 2012 and held the second-ever locally funded Household Hazardous Waste Collection for McLean County residents. The event was extremely well attended, with 1,600 cars passing through the lines to have their hazardous waste collected in the vast parking lots at Mitsubishi Motors North America. Yet wait times remained fairly moderate, with the average wait lasting no more than an hour for most event participants.

The effort successfully collected a record-breaking 27,366 gallons of hazardous waste materials for safe disposal in addition to 20,500 pounds of electronic waste for recycling. There was a high rate of "carpooling" of hazardous waste materials in that each car carried the waste of about 1.4 households as many residents take the time to collect materials from their neighbors or coworkers. Nearly 300 hours of volunteer help from almost 100 volunteers assisted the staff of the EAC in setting up, working the event, and then taking it all down.

The City of Bloomington, Town of Normal, and McLean County together acted as the major funders of the collection, providing \$140,000 to cover the costs of the service. The EAC, utilizing their 501(c)(3) nonprofit status, raised another \$42,703 including in-kind contributions from private sources including local businesses, families, and individuals, in order to supplement local government funding and ensure that adequate resources would be available to cover the full costs of the HHW collection. Estimating total costs of a HHW ahead of time can be challenging as it is completely dependent upon the attendance and the types and volumes of materials collected. The EAC set a fundraising goal of \$180,000 for the McLean County HHW Fund which was exceed by just \$2,000. This more than paid for the costs of the event, leaving \$32,555 in restricted contributions as a jump-start towards paying for the next HHW collection event.

Under a 2014 agreement between the EAC, the City of Bloomington, Town of Normal, and McLean County, the EAC is responsible for the coordination of HHW collections in 2015 and 2017. The need for this agreement arose since the traditional state funding for HHW has become much more irregular and undependable, in contrast to in the past, when the EAC was able to receive Illinois Environmental Protection Agency funding for HHW collections on an annual basis. The EAC still applies for state funding, but is awarded an IEPA collection event much less frequently than in the past.

The EAC acts as the solid waste agency for the City of Bloomington, Town of Normal, and McLean County. In this role, they coordinate community-wide solid waste planning, perform education and outreach to increase recycling, offer an information center and comprehensive recycling listings on their website, and coordinate HHW services for the broader community.

by the numbers



1,600

Cars passed through the event



2,256

Total participating households



27,366

Gallons of Household Hazardous Waste collected



20,500

Pounds of e-waste recycled



291

Hours of work put in by 97 volunteers assisting EAC staff



\$182,703

Total amount raised for the HHW Fund this year including local government funding and in-kind sponsorships



\$150,147

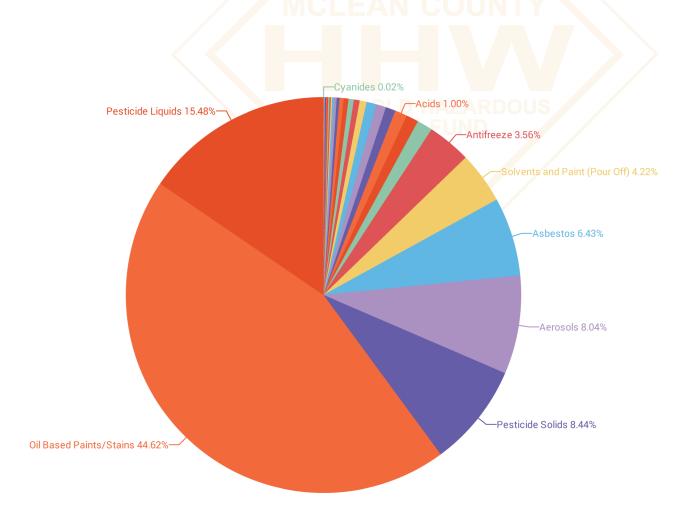
Total cost of the collection, not including staff time



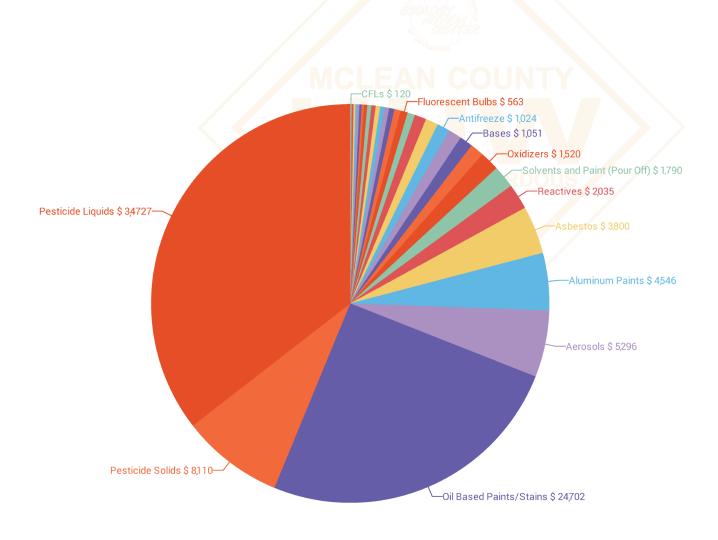
\$32,555

Amount already raised towards the 2017 HHW Collection Event!

materials collected



materials collected by volume

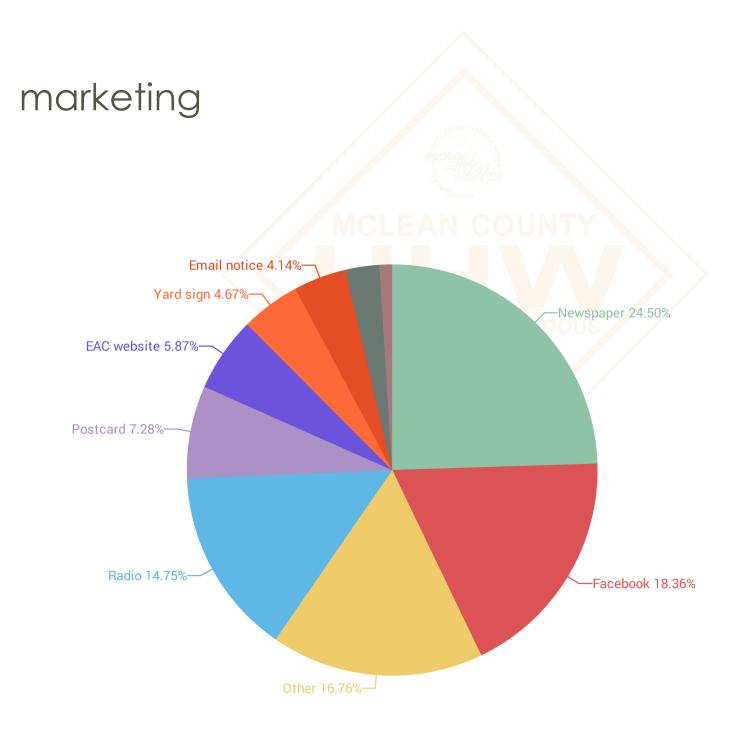


materials collected by cost

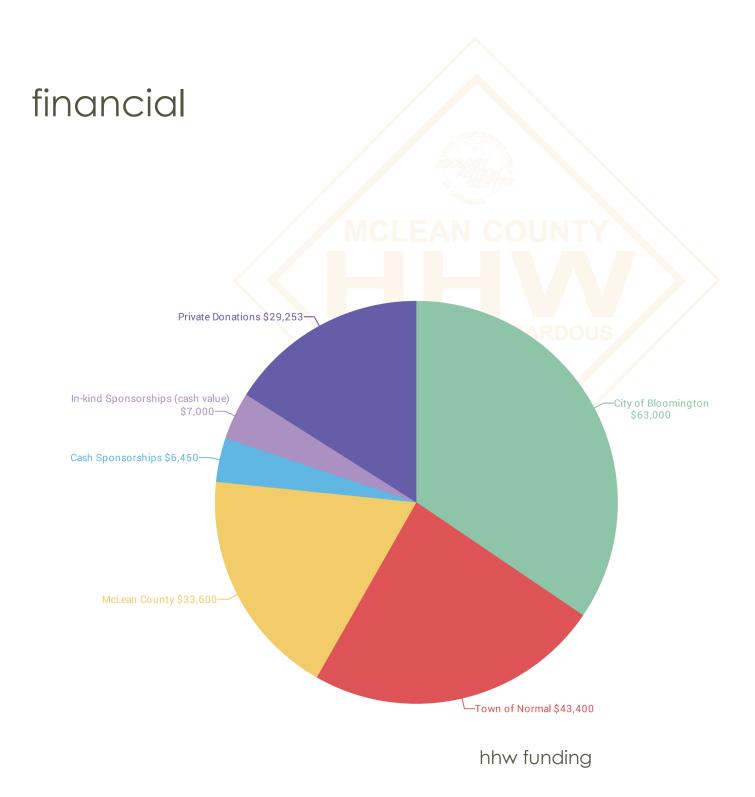
attendees

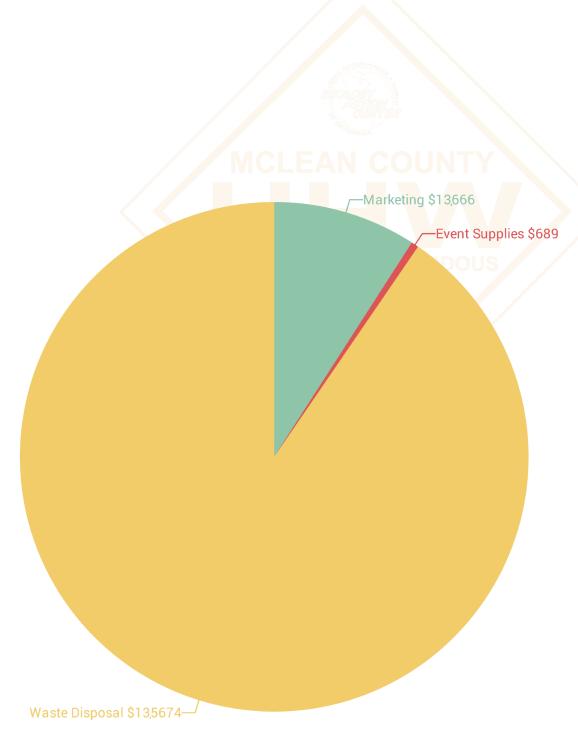
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event attendees by municipality



responses to "how did you hear about the HHW event?"





hhw expenses

budget

REVENUE		
HHW Program Agreement		
City of Bloomington	\$	63,000
Town of Normal	\$	43,400
McLean County	\$	33,600
Sponsorships		
Cash	WASTE\$FUN	6,450
In-kind Services (cash value)	\$	7,000
Private Donations	\$	29,253
	TOTAL \$	182,703

EXPENSE	AMOUNT	
Marketing		
Advertising (paid)	\$	1,937
Advertising (in-kind donation)	\$	6,000
Videos	\$	1,230
Direct Mailing	\$	1,480
Printing	\$	2,159
Yard Signs	\$	360
Promotional T-shirts	\$	500
Credit Card Transaction Fees	\$	149
Supplies		
Volunteer Food	\$	150
Portapotties	\$	400
Banners	\$	96
Misc Supplies	\$	13
Waste Contractors		
Hazardous Waste Collection and Disposal	\$	134,674
Non-hazardous waste disposal (in-kind donation)	\$	1,000
TOTAL	\$	150,147
PROFIT/LOSS	\$	32,555

trends



disposal costs from 1998-2015



hhw materials collected from 1998-2015