



City of Lawrence
PUBLIC WORKS

2016 Fall Electronic Recycling Event

The City of Lawrence Solid Waste Division hosted an Electronic Recycling Event on Saturday, October 15, 2016. The event was held from 9:00 a.m. to 1:00 p.m. at the KU Park & Ride east parking lot located in Lawrence.

During the four hour event, a total of 645 vehicles participated. From these participants, a total of 59,931 pounds (30 tons) of electronic equipment was collected for recycling, which included computers, monitors, printers, copiers, scanners, fax machines, televisions, video and audio equipment, microwaves and other small appliances, cell phones and other hand held devices. Electronic recycling was provided by Midwest Recycling Center (MRC) (www.midwrc.net).



The Solid Waste Division began hosting Electronic Recycling Events in 2008, with two events per year (spring/fall). Since the start, 11,884 participants have recycled a total of 1,055,990 pounds (528 tons) of electronic material, and 58,700 pounds (29.4 tons) of office paper for shredding (see table below).

| Event | total # of vehicles/participants | # of pounds collected (document shred) |
|--------------|----------------------------------|--|
| Spring 2008 | 676 | 60,051 |
| Fall 2008 | 513 | 52,596 |
| Spring 2009 | 455 | 45,750 |
| Fall 2009 | 747 | 70,962 |
| Spring 2010 | 583 | 56,326 |
| Fall 2010 | 649 | 57,959 |
| Spring 2011 | 638 | 45,551 |
| Fall 2011 | 525 | 39,614 |
| Spring 2012 | 645 | 55,130 |
| Fall 2012 | 504 | 36,851 |
| Spring 2013 | 912 | 87,032 (27,400) |
| Fall 2013 | 670 | 68,864 |
| Spring 2014 | 481 | 42,395 |
| Fall 2014 | 573 | 45,377 |
| Spring 2015 | 806 | 75,386 |
| Fall 2015 | 729 | 63,463 |
| Spring 2016 | 1,133 | 92,752 (31,300) |
| Fall 2016 | 645 | 59,931 |
| TOTAL | 11,884 | 1,055,990 (58,700) |

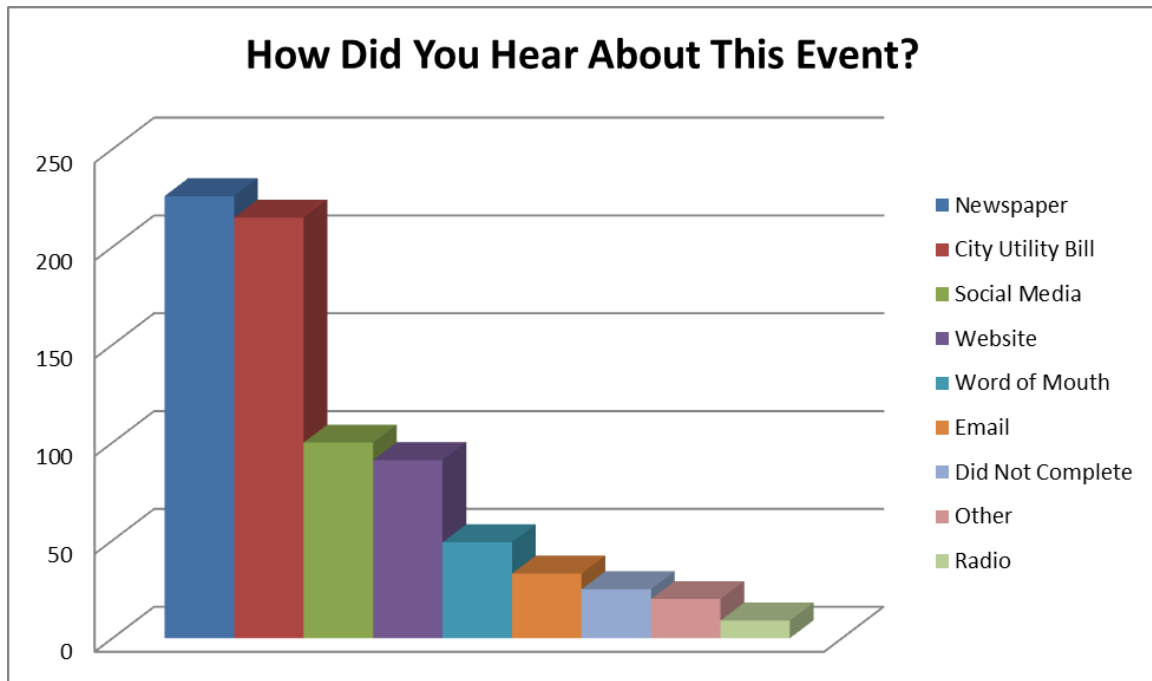
Event Summary and Survey Results:

During the Electronic Recycling Event, each participant was asked to complete an event survey. Note that some participants either missed answering a question or chose not to complete the survey. A summary of the event collection totals and survey results are listed below. Additional information regarding the survey results can be found in the figures attached.

- A total of 59,931 pounds of electronic equipment was collected for recycling. [Pounds include 362 pounds of batteries dropped off at the event that were transported to the Household Hazardous Waste Facility for recycling and proper disposal.]
- Participants indicated how they heard about the event; the top three communication formats selected by participants were the city's utility bill newsletter, advertisement in the Lawrence Journal World, and social media.
- Six hundred and forty five (645) vehicles participated, representing 585 households and 16 businesses. Thirty eight (38) of those participants indicated they were dropping off material from both a residence and business.
- Eighty nine percent (89%) (574 participants) were Lawrence households and businesses. Other participants were from 19 zip codes including Baldwin City, Eudora, KCMO, Lane, Lecompton, Linwood, McLouth, Osage City, Perry, Topeka, and Winchester.
- Thirty percent (30%) of those surveyed had not participated in a Lawrence Electronic Recycling Event before. Sixty nine (69%) of participants had participated previously.



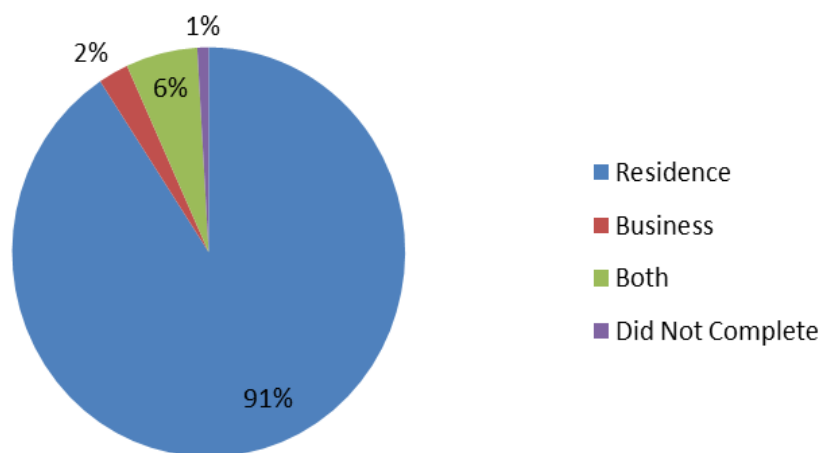




| How Did You Hear About This Event? | | |
|------------------------------------|------------|-------------|
| Newspaper | 226 | 30% |
| City Utility Bill/Insert | 215 | 29% |
| Social Media | 100 | 13% |
| Website | 91 | 12% |
| Word of Mouth | 49 | 6% |
| Email | 33 | 4% |
| Did not complete | 25 | 3% |
| Other | 20 | 2% |
| Radio | 9 | 1% |
| Total | 768 | 100% |

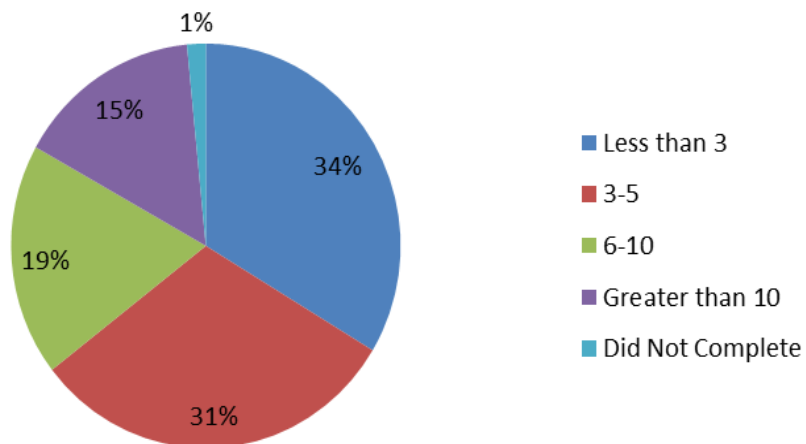
Note: many participants marked more than one answer for this question.

Where Are Your Electronics From?



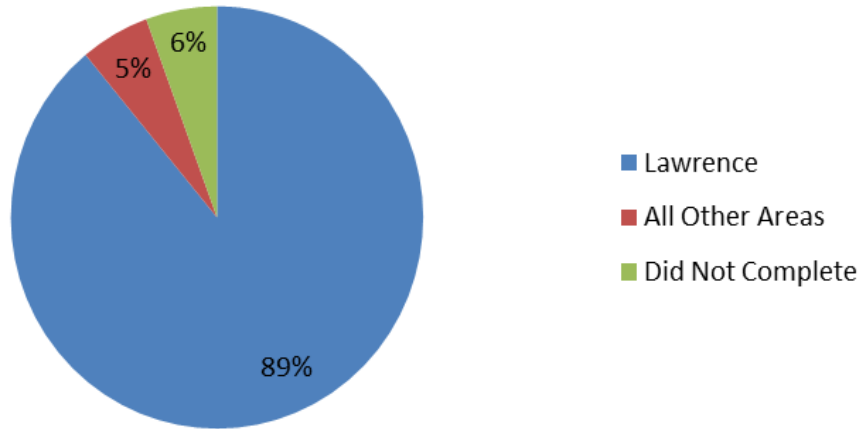
| Where Are Your Electronics From? | | |
|----------------------------------|------------|-------------|
| Residence | 585 | 91% |
| Business | 16 | 2% |
| Both | 38 | 6% |
| Did not complete | 6 | 1% |
| Total | 645 | 100% |

How Many Electronics Are You Bringing?



| How Many Electronics Are You Bringing? | | |
|--|------------|-------------|
| Fewer than 3 | 217 | 34% |
| 3 to 5 | 199 | 31% |
| 6 to 10 | 120 | 19% |
| More than 10 | 99 | 15% |
| Did Not Complete | 10 | 1% |
| Total | 645 | 100% |

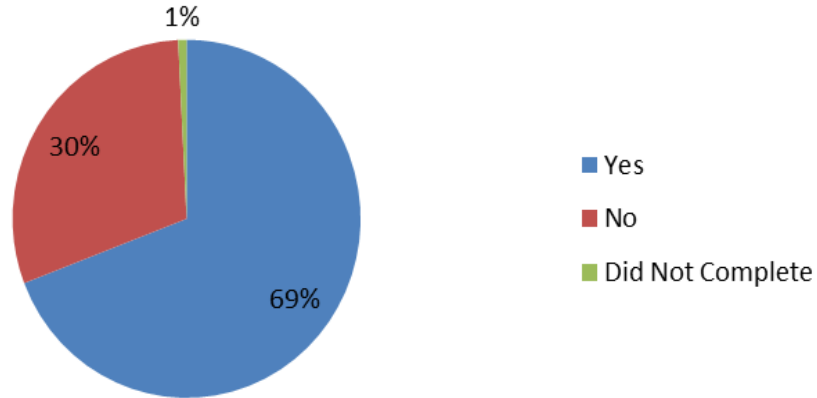
What Is Your Zip Code?



| What Is Your Zip Code? | | |
|------------------------|------------|-------------|
| Lawrence | 574 | 89% |
| All Other Areas | 35 | 5% |
| Did Not Complete | 36 | 6% |
| Total | 645 | 100% |

Note: Participants came from 19 zip codes including Baldwin City, Eudora, KCMO, Lane, Lecompton, Linwood, McLouth, Osage City, Perry, Topeka, and Winchester.

Have You Participated in a Lawrence Electronic Recycling Event Before?



| Have You Participated in a Lawrence Electronic Recycling Event Before? | | |
|--|-----|------|
| Yes | 446 | 69% |
| No | 194 | 30% |
| Did Not Complete | 5 | 1% |
| Total | 645 | 100% |



WORK ORDER – CERTIFICATE

W-005

Issued By: QEHS

Eff. Date: 09-05-2014

Rev.: A

Pg. 1 of 2

Certificate Number: 161021AA

Date: 10-21-2016

Email: certificate@midwrc.net

Certificate of Proper Recycling

Page 1 of 2

Re: Certificate of Proper Recycling and/or Destruction of Material

The memorandum between City of Lawrence and MRC Recycling acknowledges a mutual understanding specific to this Certificate of Proper Recycling. MRC Recycling hereby understands and agrees to be bound to this certificate as it relates to the acquisition of hardware, asset Management, disposal covenants, and erasure of data containing devices with third party certified Department of Defense compliant software and NIST 800-88 Compliant Data Erasure and Hard Drive Destruction. MRC Recycling agrees it shall recycle any components received from City of Lawrence hereunder in accordance with all applicable ordinances, laws, rules, or regulations of any governmental authority having jurisdiction over such matters. MRC Recycling hereby agrees to defend, indemnify, and hold City of Lawrence harmless from and against all loss, cost, liability, or expense of any nature (including, without limitation, reasonable attorney fees and court costs) incurred or suffered by City of Lawrence arising out of any claim, demand, or cause of action asserted by any party to the extent that such claim, demand, or cause of action arises out of, or is caused by the failure of MRC Recycling to properly perform the obligations set forth. The foregoing shall include, without limitation, defense and indemnification of City of Lawrence against any environmental claim, which shall mean any third party (including private party, governmental agency, or employee) action, lawsuit, claim, or proceeding relating to the computer components delivered to MRC Recycling hereunder which seeks to impose liability against City of Lawrence for (i) pollution or contamination of air, surface water, groundwater, or land; (ii) solid, gaseous, or liquid waste generation handling, treatment, storage, disposal, or transportation; (iii) exposure to hazardous or toxic substances, or (iv) noncompliance with any environmental law or regulation promulgated by any federal, state, or local regulatory or administrative agency, board, or authority, including, but not limited to, compliance with the Clean Air Act, The Clean Water Act, The Resource Conservation Recovery Act ("RCRA"), The Comprehensive Environmental Response Compensation and Liability Act, and the Toxic Substance Control Act.

915 5th Street
Park Hills, MO 63601
1-855-MRC-RECYCLE

See page 2 for the complete list of materials transferred.





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W-005

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Eff. Date: **09-05-2014**

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Pg. **2** of **2**

Certificate Number: 161021AA

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Ownership Transfer

Page 2 of 2

Date of Pickup: 10-15-2016 - Materials Transferred

| Description | Quantity | Total Weight (lbs.) |
|--|------------|---------------------|
| Small CRT Televisions | 117 | 59,569 |
| Large CRT Televisions | 56 | |
| CRT Monitors | 96 | |
| Projections Televisions | 3 | |
| Console Televisions | 4 | |
| PC'S | 4 Pallets | |
| Miscellaneous E-Waste Including – DVD/VHS Players, Speakers, Keyboards, Mice, Printers, Fax, Phones, LCD Monitors, Radios, Wires, Typewriters, Cables Etc | 50 Pallets | |
| Microwaves | 2 Pallets | |
| Mini Refrigerator | 1 | |
| LCD Televisions | 38 | |
| De-Humidifiers | 7 | |