

City of Lawrence

**Sustainability Advisory Board (SAB)**

November 10, 2010 (5:30 PM) Meeting Minutes

|                              |   |
|------------------------------|---|
| MEMBERS PRESENT:             | Sarah Hill-Nelson, Beth Johnson, Chad Luce, Megan Poindexter, Daniel Poull, Andrea Repinsky, Simran Sethi, Ian Spomer |
| YOUTH IN GOVERNMENT PRESENT: | Nick Benson   |
| MEMBERS ABSENT:              | Matt Lehrman, Brian Sifton  |
| STAFF PRESENT:               | Tammy Bennett, Eileen Horn, Kathy Richardson  |
| GUESTS PRESENT:              | Barry Walthall  |
| PUBLIC PRESENT:              |   |

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**Call Meeting to Order (Daniel Poull, Acting Chairperson)**

**Take Roll Call to Determine Quorum of Members**

**Any Pressing Items?**

**APPROVAL OF MEETING MINUTES**

**Motion** and second to approve the September 8, 2010 minutes (Sethi/Hill-Nelson).

Vote: Motion was passed unanimously.

**Presentation by Barry Walthall on City Energy Conservation Codes**

Barry Walthall, the Building Codes Administrator for the City's Planning and Development Services, informed SAB that on January 1, 2008 the City of Lawrence adopted the 2006 International Building Code which includes Article # 8 on Energy Code. Prior to 2008 the City did not have any energy standards within building codes. Most recently at the October 26, 2010 City Commission meeting, the Commissioners approved to adopt the 2009 International Building Code. Barry Walthall answered board member questions on energy codes and encouraged SAB to continue to support the adoption of the energy codes for building construction.

**Discussion of Take Charge Challenge and Potential Nomination of SAB Member to Take Charge Leadership Team**

Eileen Horn announced that the City of Lawrence will compete against Manhattan in the Take Charge Challenge, an energy efficiency contest, from January through October 2011. Cities will be judged according to their participation in Efficiency Kansas, the federal Weatherization Assistance Program, Westar's EfficiencyWorks programs, and the number of incandescent bulbs that are switched to CFLs. Each City will receive \$25,000 and a part-time coordinator hired by the Climate and Energy Project. The part-time coordinator will convene a Leadership Team of representatives from the community. The prize is a \$100,000 energy efficiency or renewable energy project for the City that wins. Eileen Horn asked if SAB would like to nominate one of their board members for the Take Charge Challenge Leadership Team. Chad Luce and Ian Spomer both expressed interest. The decision on who will be the SAB representative will be based on the part-time coordinator appointment since Ian applied for this position.

## **Update on Sustainability Trailblazers Project**

Eileen Horn informed SAB that in January the Lawrence Journal World will roll out a new site similar to Wellcommon but focused on sustainability. A major component of this new site will be the Sustainability Trailblazers contest and map. Businesses, non-profit organizations, government organizations, and schools will be invited to fill out survey questions within six sustainability categories. The plan will be to announce the Sustainability Trailblazers awards at the Earth Day Celebration. Eileen Horn also mentioned that Simran Sethi's KU graduate class is involved in this project and will help highlight the Sustainability Trailblazers in our community.

## **Discussion of SAB Leave of Absence**

Simran Sethi asked SAB if she could take a leave of absence for six months starting in January 2011. The board agreed.

## **Waste Reduction & Recycling (WRR) Report**

Kathy Richardson emailed SAB the WRR staff report including event reports for the Lawrence Energy Conservation Fair and Sustainable Homes Tour, Fall Compost Sale, and Fall Electronic Recycling Event (see attached). Thanks to Daniel and Janice Poull for volunteering at the Electronic Recycling Event as well as to all SAB members who volunteered at the Energy Fair.

Update on menu of options for solid waste and recycling services in Lawrence:

- A solid waste review team was formed in September 2010 and meets weekly with the City Manager. Team members include Eileen Horn, County-City Sustainability Coordinator; Chuck Soules, Public Works Director; Tammy Bennett, Assistant Public Works Director; Steve Stewart, Fleet Manager; Craig Pruett, Solid Waste Operations Supervisor; and Kathy Richardson, Waste Reduction & Recycling Operations Supervisor.
- This staff team is drafting an outline of the menu of options which includes review of our existing services, the development of long-term plans for automation and other efficiency and safety improvements, a variable rate pricing for solid waste collection services, and curbside recycling service opportunities.
- The outline of the menu of options will be placed on a future City Commission agenda and staff will suggest presentation of the information developed to date to SAB, neighborhood associations, and other public forums for solicitation of additional input.

The board asked if the City has appointed a Solid Waste Manager. Tammy Bennett informed SAB that there were great candidates interviewed but the City did not find the right fit for this community at this time. The City may re-advertise the manager position in the future.

## **Sustainability Coordinator Report**

Eileen Horn informed SAB of the following:

- The City Commission approved purchase of EnergyCAP, an energy management software, for an in-house audit of City buildings. An Energy Management Work Group of City department and division staff representatives was formed to develop a five year energy plan. There is also budget support for staff education and outreach efforts.
- The City did not receive the EPA Climate Showcase grant.
- The Douglas County Local Food Policy Council is organizing a Farm Tour this Friday for LFPC board members, Chamber staff, and City, County and Planning Commissioners to view the diversity of agricultural operations in Douglas County.
- The Douglas County Extension Office approved the Solar PV project and construction will begin soon.

### **Miscellaneous Announcements and/or Public Comments**

Daniel Poull asked if SAB would be interested in moving the board meeting location to the Lawrence Public Library once the library expansion is completed.

At the next SAB meeting, board member nominations and election of officers will take place.

**Action:** Those board members interested in the Chair, Vice-Chair or Secretary positions may email the current SAB Chair and staff prior to the next meeting.

Meeting adjourned 7:02 p.m.

**Next meeting:** December 8th, 2010 at 5:30 pm.

### **Attachments:**

- Waste Reduction and Recycling Division Report



## Waste Reduction and Recycling Division Report for the Sustainability Advisory Board (11/10/10)

### RECYCLING PROGRAM REPORT

#### OLD CORRUGATED CONTAINERS (OCC)

| Cardboard                         | Tons            | Revenue             |
|-----------------------------------|-----------------|---------------------|
| Current YTD                       | <b>1,151.11</b> | <b>\$150,501.05</b> |
| Prior YTD                         | 1,106.25        | \$62,027.90         |
| Avg. Price/ton thru October 2010: |                 | <b>\$130.74</b>     |
| Avg. price/ton thru October 2009: |                 | \$56.07             |

#### OLD NEWSPAPERS (ONP)

| Newspaper                         | Tons          | Revenue            |
|-----------------------------------|---------------|--------------------|
| Current YTD                       | <b>361.06</b> | <b>\$35,499.33</b> |
| Prior YTD                         | 469.98        | \$16,892.96        |
| Avg. Price/ton thru October 2010: |               | <b>\$98.32</b>     |
| Avg. Price/ton thru October 2009: |               | \$35.94            |

#### OFFICE WASTE PAPER (SOP)

| Sorted Office Paper               | Tons         | Revenue           |
|-----------------------------------|--------------|-------------------|
| Current YTD                       | <b>19.29</b> | <b>\$3,905.40</b> |
| Prior YTD                         | 42.86        | \$4,590.65        |
| Avg. Price/ton thru October 2010: |              | <b>\$202.46</b>   |
| Avg. Price/ton thru October 2009: |              | \$107.11          |

#### MIXED WASTE PAPER (MIX)

| Mixed Paper                       | Tons          | Revenue            |
|-----------------------------------|---------------|--------------------|
| Current YTD                       | <b>219.55</b> | <b>\$13,602.08</b> |
| Prior YTD                         | 242.20        | \$5,543.10         |
| Avg. Price/ton thru October 2010: |               | <b>\$61.95</b>     |
| Avg. Price/ton thru October 2009: |               | \$22.89            |

| <u>TOTAL</u> | <u>YTD</u> | <u>TONS</u>     | <u>REVENUE</u>      |
|--------------|------------|-----------------|---------------------|
|              |            | <b>1,753.36</b> | <b>\$203,507.85</b> |
| Prior YTD    |            | 1,861.28        | \$89,054.62         |

## HOUSEHOLD HAZARDOUS WASTE (HHW) AND SMALL QUANTITY GENERATOR (SQG) PROGRAM REPORT

| Month          | HHW Drop-Offs | Battery Bags in Mail | Appt No Show | Home-bound | Saturday Collection | Abandoned Waste | Orphan Waste | SQG Inventory | SQG Drop-off | Product Reuse Appt |
|----------------|---------------|----------------------|--------------|------------|---------------------|-----------------|--------------|---------------|--------------|--------------------|
| January        | 112           | 2                    | 4            | 0          | 0                   | 2               | 0            | 11            | 9            | 4                  |
| February       | 113           | 2                    | 5            | 0          | 0                   | 1               | 0            | 3             | 4            | 10                 |
| March          | 246           | 1                    | 11           | 0          | 0                   | 2               | 0            | 11            | 10           | 38                 |
| April          | 263           | 3                    | 22           | 1          | 25                  | 4               | 0            | 7             | 8            | 69                 |
| May            | 246           | 0                    | 16           | 1          | 12                  | 1               | 0            | 7             | 6            | 64                 |
| June           | 338           | 2                    | 22           | 2          | 18                  | 6               | 0            | 12            | 13           | 70                 |
| July           | 265           | 4                    | 25           | 2          | 22                  | 2               | 0            | 7             | 4            | 52                 |
| August         | 272           | 1                    | 19           | 0          | 21                  | 4               | 0            | 12            | 12           | 62                 |
| September      | 235           | 5                    | 15           | 0          | 16                  | 4               | 0            | 5             | 4            | 66                 |
| <b>October</b> | <b>266</b>    | <b>1</b>             | <b>15</b>    | <b>1</b>   | <b>22</b>           | <b>5</b>        | <b>0</b>     | <b>8</b>      | <b>9</b>     | <b>69</b>          |
| November       |               |                      |              |            |                     |                 |              |               |              |                    |
| December       |               |                      |              |            |                     |                 |              |               |              |                    |
| <b>TOTAL</b>   | <b>2356</b>   | <b>21</b>            | <b>154</b>   | <b>7</b>   | <b>136</b>          | <b>31</b>       | <b>0</b>     | <b>83</b>     | <b>79</b>    | <b>504</b>         |

## YARD TRIMMINGS COLLECTION AND COMPOST PROGRAM REPORT

In October, yard trimmings collection occurred on all four Mondays.

| <u>Yard Trimmings Collection: Year To Date</u> |                   | Residential Tons Collected Curbside | Commercial Tons Received | Other Tons Received (Christmas Trees) | Total Tons This Month | Average Preferred Container Compliance |
|--|-------------------|-------------------------------------|--------------------------|---------------------------------------|-----------------------|--|
|  | <b>2009 TOTAL</b> | <b>11,096.63</b>                    | <b>2,011.9</b>           | <b>30.41</b>                          | <b>13,138.94</b>      | <b>99.5%</b>                           |
| <b>2010</b>                                    | January           | NA                                  | 7.9                      | 26.65<br>(2,132 trees)                | 34.55                 | NA                                     |
|  | February          | NA                                  | 18                       | NA                                    | 18                    | NA                                     |
|  | March             | 528.06                              | 261.1                    | NA                                    | 789.16                | 99.5%                                  |
|  | April             | 1,738.52                            | 360.1                    | NA                                    | 2,098.62              | 99.6%                                  |
|  | May               | 1,100.26                            | 249.7                    | NA                                    | 1,349.96              | 99.7%                                  |
|  | June              | 898.66                              | 257.9                    | NA                                    | 1,156.56              | 99.8%                                  |
|  | July              | 575.25                              | 244.9                    | NA                                    | 820.15                | 99.7%                                  |
|  | August            | 686.37                              | 530.9                    | NA                                    | 1,217.27              | 99.8%                                  |
|  | September         | 658.61                              | 223.4                    | NA                                    | 882.01                | 99.8%                                  |
|  | October           | 1,221.42                            | 198.8                    | NA                                    | 1,420.22              | 99.7%                                  |
|  | November          |                                     |                          |                                       |                       |  |
|  | December          |                                     |                          |                                       |                       |  |
|  | <b>2010 TOTAL</b> | <b>7,407.15</b>                     | <b>2,352.7</b>           | <b>26.65</b>                          | <b>9,786.5</b>        | <b>99.7%</b>                           |

\*Total tonnage may change. The Solid Waste Division is in the process of evaluating the estimated weight of containers by weighing samples curbside once a month throughout the year.

# LAWRENCE ENERGY CONSERVATION FAIR 2010



City of Lawrence  
WASTE REDUCTION  
& RECYCLING

On Saturday, September 11th, 2010 the City's Waste Reduction and Recycling Division hosted the **10th Annual Lawrence Energy Conservation Fair**. The Fair took place at the Community Building downtown, from 10 am to 4 pm. The goal of the Energy Fair is to help residents and businesses find sensible ways to reduce energy costs by choosing products and services that will increase the energy efficiency of our homes, businesses and personal transportation.

The Energy Fair hosted forty-five exhibitors with professional environmental expertise: including local builders, architects, engineers, insulation contractors and home energy efficiency specialists. Businesses offering residential wind and solar energy systems were also present. A variety of alternative fueled vehicles were on display, as well as a geothermal drilling rig. Premier sponsors of the event included Black Hills Energy and the Lawrence Chamber of Commerce. Other sponsors included Billy Pilgrim LLC, Blue Sky Green Earth Magazine, Cromwell Environmental, Hughes Consulting Engineering, Lawrence Journal World, Scott Temperature, Sunflower Bank, and Westar Energy.

Fair attendees had the opportunity to hear Dominique Davison, with Davison Architecture + Urban Design LLC, speak on the principles of sustainable residential design; Nickie Lee with the Efficiency Kansas Team for the Kansas Corporation Commission Energy Office, speak about energy efficiency financing for the home; and Larry Kinder with LilyPad EV speak about Plug in Electric Vehicles and Charging Stations. In addition to these exhibitors, Eco-Elvis, an environmentally-friendly Elvis impersonator, performed outside the Community Building.

Concurrent with the Fair, the **Lawrence Sustainable Homes Tour** offered two separate bus tours that included seven different building sites during the day. Tour guests learned from builders, engineers, installers and homeowners on site about their buildings, which included such features as passive solar design, structural insulated panels, straw-bale construction, living roof, radiant floor heating, geothermal heating and cooling systems, and a wide variety of locally obtained materials and energy efficient products and appliances. The Tour sponsors were the American Solar Energy Society and the Heartland Renewable Energy Society.



Eco-Elvis performed one of his hit songs "The Compost Hotel" outside the Community Building





One of the many sponsors of the Energy Fair, Black Hills Energy, attended to promote natural gas as an option to standard fuel sources.

Children take part in some eco-minded craft activities hosted by Free State High School Environmental Club and Eileen Horn, City/County Sustainability Coordinator.



Examples of alternative fuel vehicles exhibited at the Energy Fair included an electric flat bed Club Car displayed by the Central Maintenance Garage and a biodiesel pick-up truck displayed by the Kansas Soybean Commission.

Solar Solutions of Kansas City discussed the benefits of installing solar-powered lighting.



The morning Sustainable Homes Tour had four stops, including this Tenants to Homeowners house with Structurally Insulated Panels and high efficiency appliances.

The Sustainable Homes Tour also visited the Douglas County Jail which has installed 200 square feet of solar collection to heat domestic water.



## City of Lawrence Compost Sale: Fall 2010 RESULTS

The City's Fall Compost Sale was held on Thursday and Friday, September 23<sup>rd</sup> and 24<sup>th</sup> from 8:00 am to 3:00 pm and Saturday, September 25<sup>th</sup> from 8:00 am to 4:00 pm. The weather on Thursday and Friday was sunny, with a temperature around 85 degrees, while Saturday was slightly cooler and scattered rain. The compost sold was a mix of 2009's September material and 2010's March/April and May composted yard trimmings. The compost was sold for \$10 per scoop, which is approximately 3 cubic yards, or it was free for self-loaders.

A total of 1,076 vehicles entered our facility over the two-day period (Table 1). The Compost Sale started with approximately 1,900 cubic yards of compost from September-May yard trimmings that was screened, tested, and ready for distribution. At the close of the event on Saturday, there was approximately 238 cubic yards of compost left. A total of 1,662 cubic yards of compost (1,080 tons) was distributed over the course of the 3 day event. A total of \$9,240 was generated during the compost sale.

**Table 1: Number of new and repeat customers each day and the total over the three-day period.**

|                         | Thurs., Sept. 23 <sup>rd</sup> | Fri., Sept. 24 <sup>th</sup> | Sat., Sept. 25 <sup>th</sup> | Total (all three days) |
|-------------------------|--------------------------------|------------------------------|------------------------------|------------------------|
| <b>New Customers</b>    | 356                            | 209                          | 139                          | <b>704</b>             |
| <b>Repeat Customers</b> | 204                            | 113                          | 55                           | <b>372</b>             |
| <b>Total (each day)</b> | <b>560</b>                     | <b>322</b>                   | <b>194</b>                   | <b>1,076</b>           |

Well organized traffic queuing ensured safe access, egress, and loading for a variety of vehicle types. There were no accidents at this sale.

Due to the ever-present self-loaders, a large pile of compost on the north side of the pad was created to accommodate self-loaders.



The majority of vehicles through our facility were trucks, which were loaded with either of two front end loaders.







## **City of Lawrence Electronic Recycling Event** **Saturday, October 23, 2010**

The City of Lawrence Waste Reduction and Recycling Division hosted an Electronic Recycling Event on Saturday, October 23rd. The event was held from 9:00 a.m. to 1:00 p.m. at the Free State High School parking lot located at 4700 Overland Drive, Lawrence.

During the four hour event, a total of six hundred forty nine (649) vehicles dropped off 57,959 pounds (28.98 tons) of electronic equipment including computers, printers, copiers, scanners, televisions, hand held devices, and small appliances (i.e. microwaves).

Electronic recycling was provided by Extreme Recycling, a permitted e-waste recycling and reclamation facility in the State of Kansas. Extreme Recycling has a zero landfill tolerance policy and they do not export overseas.

[www.extremerecyclinginc.com](http://www.extremerecyclinginc.com)



## **Event Summary and Survey Results:**

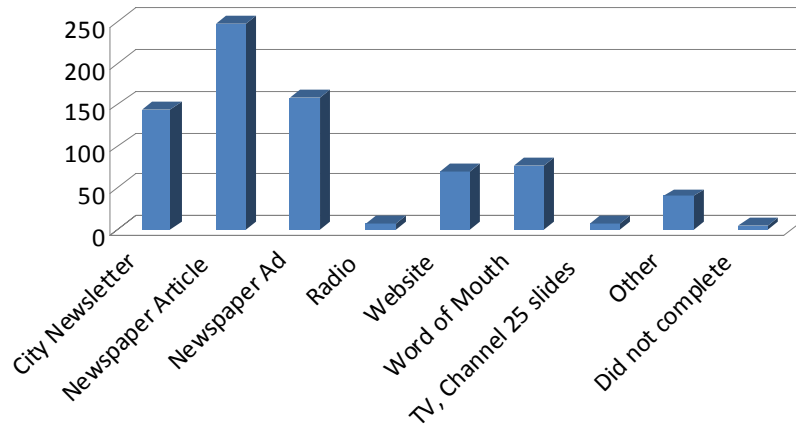
- A total of 57,959 pounds or 28.98 tons of electronic equipment including computers, printers, copiers, scanners, televisions, hand held devices, and small appliances (i.e. microwaves) were collected for recycling.
- Three hundred one (301) computer monitors and one hundred eighty seven (187) televisions were collected for recycling in addition to other electronics.
- Six hundred forty nine (649) vehicles participated representing six hundred twenty six (626) households and seventy two (72) businesses.
- Ninety three percent (90%) of participants were Lawrence households and businesses. Other participants were from Baldwin City, Eudora, Lecompton, Linwood, McLouth, Overbrook, Tonganoxie, Ozawkie, Topeka, and Bonner Springs.
- Seventy three percent (73%) of participants brought five or fewer electronic items. Seventeen percent (17%) of participants brought six to ten items. Nine percent (9%) brought more than ten items.
- Fifty seven percent (57%) surveyed has not participated in a Lawrence Electronic Recycling Event before. Forty two percent (42%) has participated previously.







## How did you hear about this event?

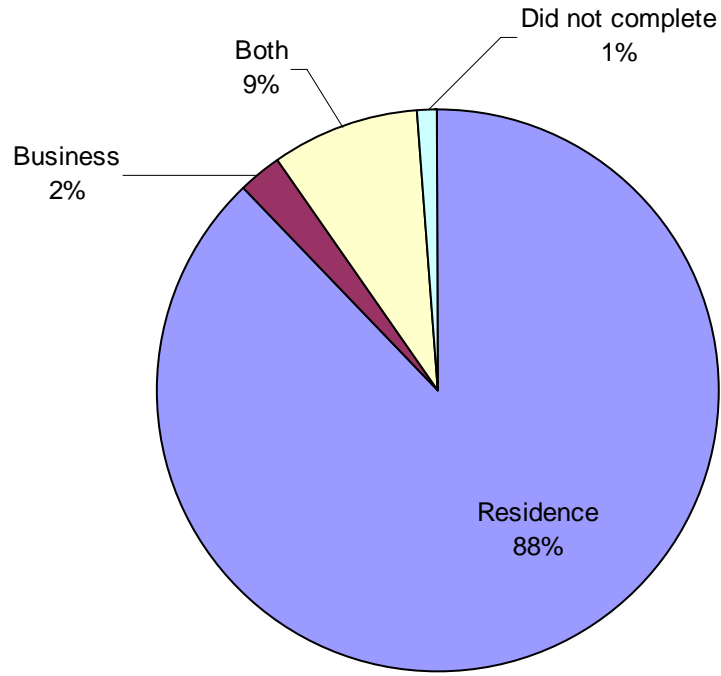


## How did you hear about this event?

|                                    |            |             |
|------------------------------------|------------|-------------|
| City Newsletter                    | 145        | 19%         |
| Newspaper Article                  | 247        | 33%         |
| Newspaper Ad                       | 158        | 21%         |
| Radio                              | 8          | 1%          |
| Website                            | 69         | 9%          |
| Word of Mouth                      | 78         | 10%         |
| TV, Channel 25 Slides              | 8          | 1%          |
| Other: Email                       | 17         | 2%          |
| Other: Called City                 | 2          | 0%          |
| Other: Event Signs                 | 5          | 1%          |
| Other: Handout/Guide at City Event | 10         | 1%          |
| Other: (did not specify)           | 6          | 1%          |
| Did not complete                   | 6          | 1%          |
| <b>Total</b>                       | <b>759</b> | <b>100%</b> |

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

### Where are your electronics from?



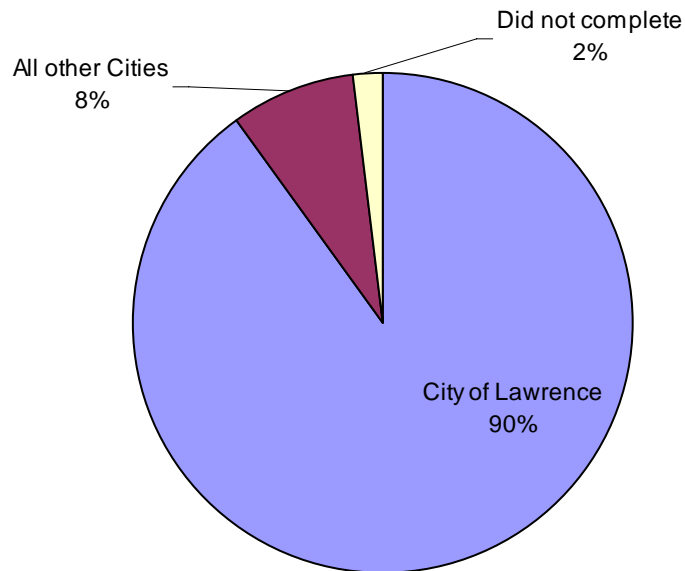
### Where are your electronics from?

|                  |     |     |
|------------------|-----|-----|
| Residence        | 570 | 88% |
| Business         | 16  | 2%  |
| Both             | 56  | 9%  |
| Did not complete | 7   | 1%  |

|              |            |             |
|--------------|------------|-------------|
| <b>Total</b> | <b>649</b> | <b>100%</b> |
|--------------|------------|-------------|



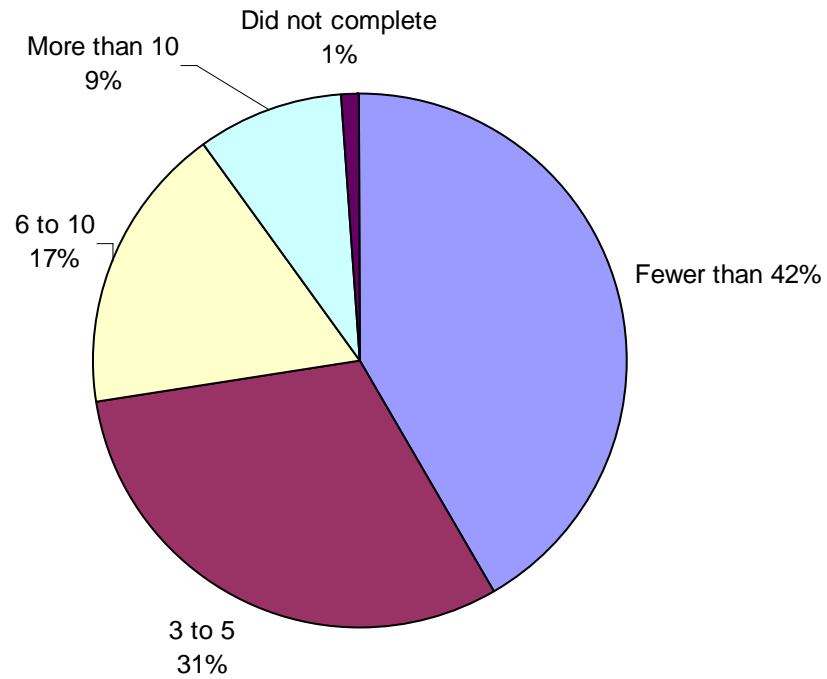
### Participation by City



| What is your zip code? |                    |        |         |
|------------------------|--------------------|--------|---------|
| Zip                    | City               | Number | Percent |
| 66605                  | Topeka, KS         | 2      | 0%      |
| 66006                  | Baldwin City, KS   | 16     | 2%      |
| 66012                  | Bonner Springs, KS | 1      | 0%      |
| 66018                  | DeSoto, KS         | 1      | 0%      |
| 66409                  | Berryton, KS       | 1      | 0%      |
| 66025                  | Eudora, KS         | 13     | 2%      |
| 66044                  | Lawrence, KS       | 147    | 23%     |
| 66046                  | Lawrence, KS       | 71     | 11%     |
| 66047                  | Lawrence, KS       | 119    | 18%     |
| 66049                  | Lawrence, KS       | 248    | 38%     |
| 66050                  | Lecompton, KS      | 6      | 1%      |
| 66052                  | Linwood, KS        | 2      | 0%      |
| 66086                  | Tonganoxie, KS     | 1      | 0%      |
| 66054                  | McLouth, KS        | 2      | 0%      |
| 66524                  | Overbrook, KS      | 1      | 0%      |
| 66111                  | Kansas City, KS    | 1      | 0%      |
| 66214                  | Overland Park, KS  | 1      | 0%      |
| 66070                  | Ozawkie, KS        | 1      | 0%      |
| 66066                  | Oskaloosa, KS      | 2      | 0%      |
| 66073                  | Perry, KS          | 1      | 0%      |
| Did not complete       | Did not complete   | 12     | 2%      |

|              |  |            |             |
|--------------|--|------------|-------------|
| <b>Total</b> |  | <b>649</b> | <b>100%</b> |
|--------------|--|------------|-------------|

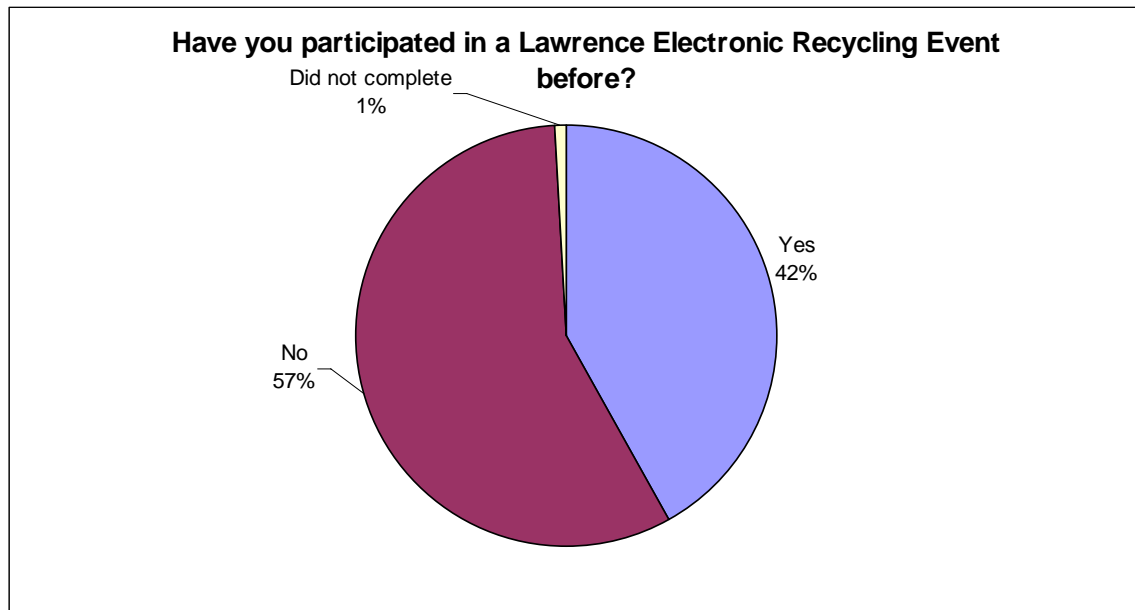
### How many electronics are you bringing?



### How many electronics are you bringing?

|                  |     |     |
|------------------|-----|-----|
| Fewer than 3     | 270 | 42% |
| 3 to 5           | 200 | 31% |
| 6 to 10          | 114 | 18% |
| More than 10     | 57  | 9%  |
| Did not complete | 8   | 1%  |

|              |            |             |
|--------------|------------|-------------|
| <b>Total</b> | <b>649</b> | <b>100%</b> |
|--------------|------------|-------------|



| Have you participated in a Lawrence Electronic Recycling Event before? |            |             |
|--|------------|-------------|
| Yes  | 271        | 42%         |
| No   | 372        | 57%         |
| Did not complete   | 6          | 1%          |
| <b>Total</b>   | <b>649</b> | <b>100%</b> |