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## **2012 SOLID WASTE ANNUAL REPORT**

### **Background**

In 1988, the Illinois Environmental Protection Agency passed the Solid Waste Planning and Recycling Act. The purpose of this Act was to provide incentives for decreasing generation of municipal waste, to require counties to develop comprehensive waste management plans that would place emphasis on recycling and other alternatives to landfills, to encourage municipal recycling and source reduction, and to promote composting of yard wastes. The Act required that by March 1, 1995, each county with a population of less than 100,000 officially adopt a plan for the management of municipal waste generated within its boundaries and set target goals for recycling.

In March of 1995, the DeKalb County Board adopted the DeKalb County Solid Waste Plan. The Board appointed the DeKalb County Health Department to be the administrative agency to manage the Solid Waste Management Program for the county. Implementation of the Plan by the Health Department began in January 1996. In 2000, 2005, and 2010, the DeKalb County Board of Health and DeKalb County Board completed reviews, updates and approval of the Plan. Beginning in 1995, the Solid Waste Program was funded by a \$1.10 per ton tipping fee on waste deposited in the landfill. In 2007, the tipping fee was increased to \$1.27 per ton.

### **Results for 2012**

The County's recycling and waste reporting system is voluntary. There are approximately 60 recyclers and waste haulers who were surveyed. In addition, landfills in and adjacent to DeKalb County were surveyed to determine the total amount of Municipal Solid Waste produced by DeKalb County. The tables and graphs on the following pages show the results of the surveys. Table 1 displays the County's recycling rate from 2001-2012. Table 2 outlines the methodology for determining DeKalb County's recycling rate. Graph 1 shows the composition of material recycled last year. Graph 2 compares 2012 types of waste recycled to previous years. Graph 3 identifies final disposal locations for DeKalb County Municipal Solid Waste.

### **Conclusion**

DeKalb County's comprehensive recycling programs have achieved an overall 61 percent recycling rate for 2012. Removing construction and demolition debris, a 48 percent recycling rate is achieved. These rates are trending upward compared to last year. DeKalb County's rate continues to exceed the State's 25 percent recycling goal by a significant margin. The County will continue to monitor its recycling rate on an annual basis and recognize the commitment the County's residents and businesses have made to recycling and waste reduction.

## DeKalb County Recycling/Disposal Rate

**Table 1**  
**DeKalb County's Recycling Rate 2001-2012**

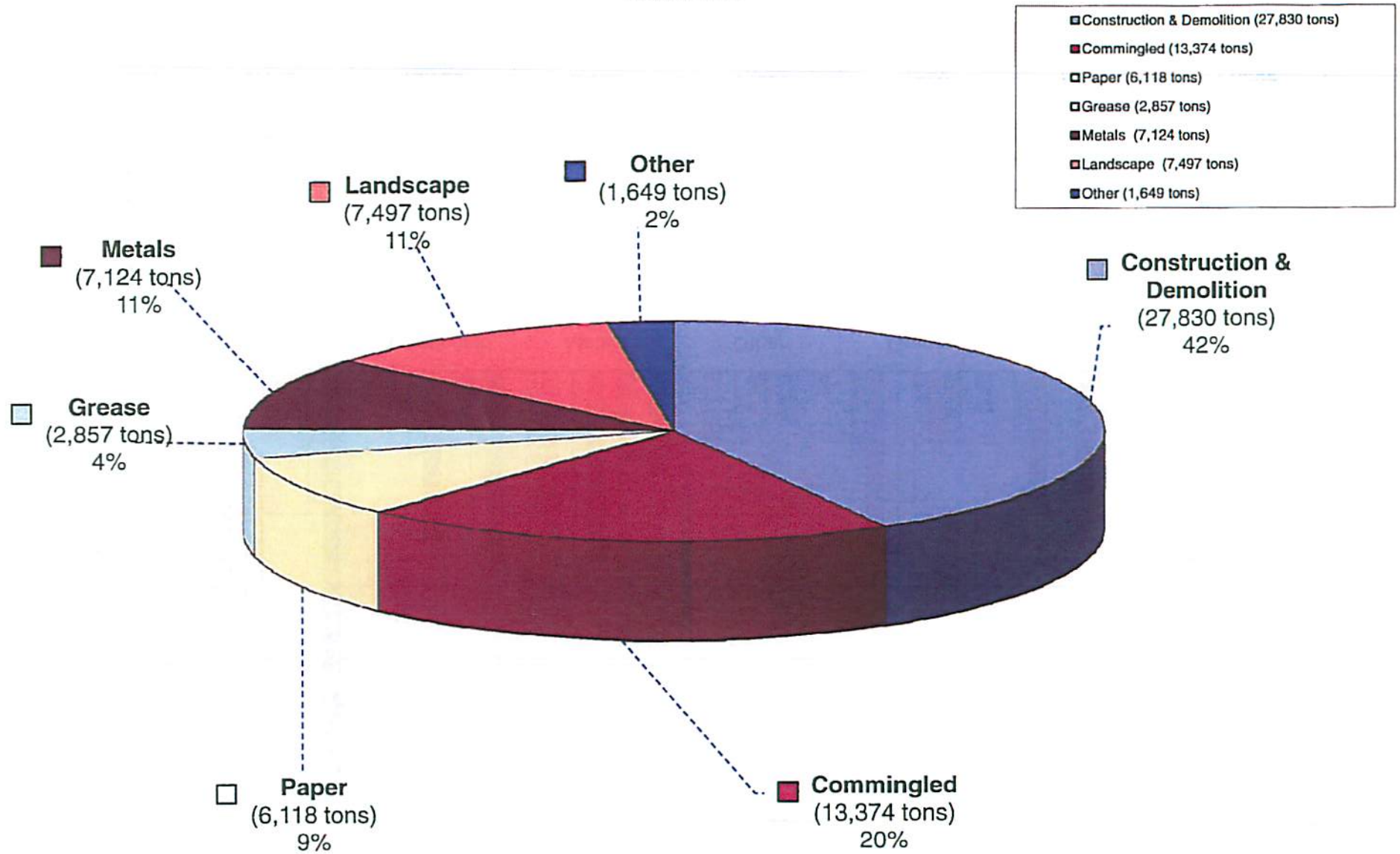
<b>2012</b>	<b>2011</b>	<b>2010</b>
66,449 Tons Recycled 108,219 Tons Municipal Waste Generated 61% Recycling Rate	48,018 Tons Recycled 90,899 Tons Municipal Waste Generated Recycling Rate 53%	37,771 Tons Recycled 85,564 Tons Municipal Waste Generated Recycling Rate 44%
<b>2009</b>	<b>2008</b>	<b>2007</b>
41,857 Tons Recycled 95,907 Tons Municipal Waste Generated Recycling Rate 44%	49,117 Tons Recycled 109,997 Tons Municipal Waste Generated Recycling Rate 45%	68,052 Tons Recycled 125,705 Tons Municipal Waste Generated Recycling Rate 54%
<b>2006</b>	<b>2005</b>	<b>2004</b>
76,186 Tons Recycled 124,252 Tons Municipal Waste Generated Recycling Rate 61%	69,599 Tons Recycled 137,379 Tons Municipal Waste Generated Recycling Rate 55%	58,352 Tons Recycled 114,114 Tons Municipal Waste Generated Recycling Rate 51%
<b>2003</b>	<b>2002</b>	<b>2001</b>
45,692 Tons Recycled 92,855 Tons Municipal Waste Generated Recycling Rate 49%	72,327 Tons Recycled 120,975 Tons Municipal Waste Generated Recycling Rate 60%	83,687 Tons Recycled 131,750 Tons Municipal Waste Generated Recycling Rate 64%

**Table 2**  
**Calculation of 2012 Recycling Rate**

Total Solid Waste Landfilled (excluding special waste)	82,088
Total Solid Waste Recycled (excluding industrial/pre-consumer recycled materials)	66,449
<b>TOTAL SOLID WASTE GENERATED</b>	<b>148,537</b>
Total Industrial Waste (DeKalb County's Population (105,201) multiplied by 2.1 lbs. multiplied by 365 days divided by 2000 lbs.)	40,318
<b>TOTAL MUNICIPAL SOLID WASTE GENERATED</b> (subtract total industrial waste from total waste generated)	<b>108,219</b>
<b>TOTAL COUNTY RECYCLING RATE</b> (Total Waste Recycled divided by Total Municipal Solid Waste multiplied by 100)	<b>61%</b>
<b>TOTAL COUNTY RECYCLING RATE</b> (Excluding Construction and Demolition Debris)	<b>48%</b>

# COMPOSITION of ALL DEKALB COUNTY WASTE RECYCLED

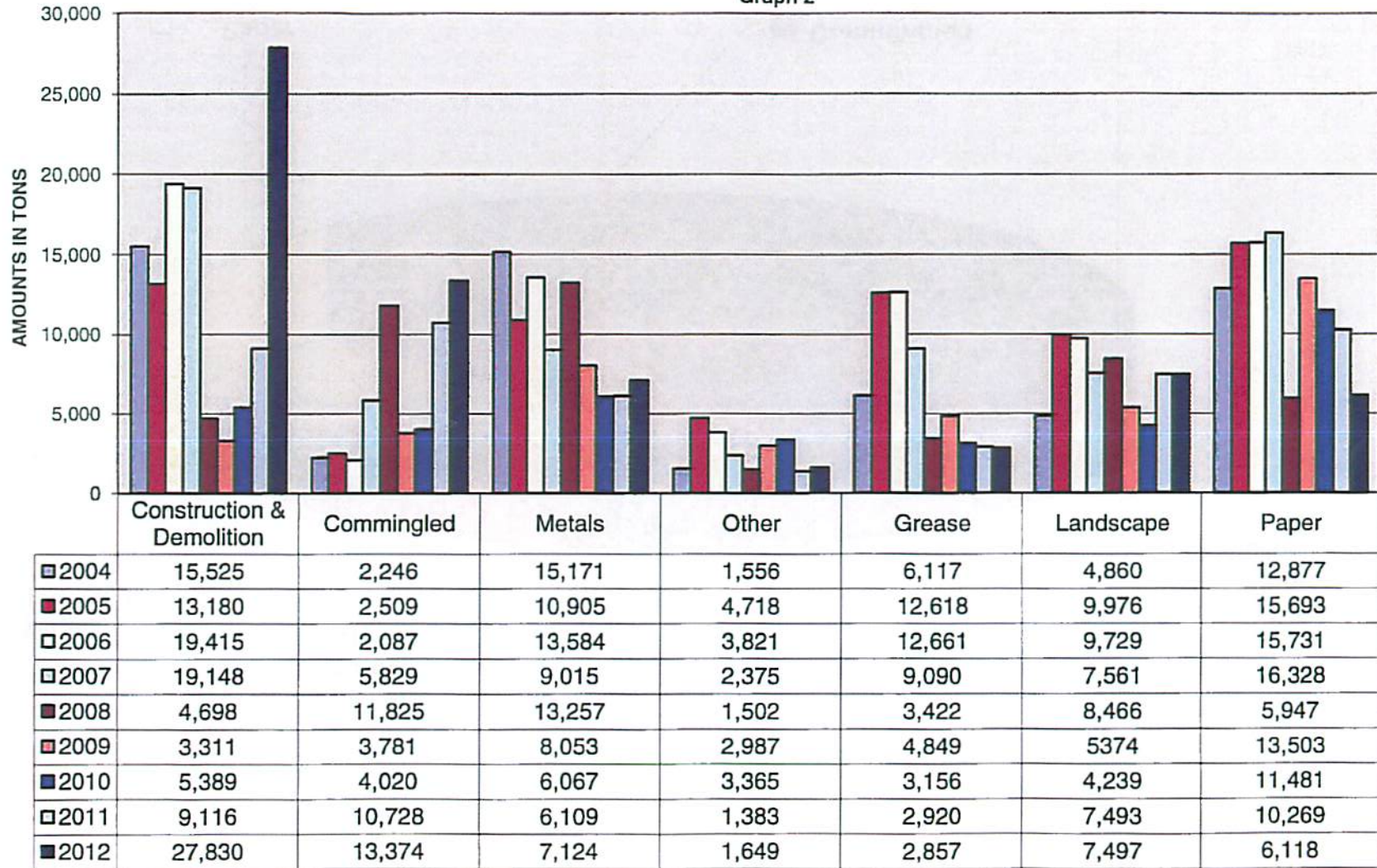
Graph 1-2012



## COMPARISON of WASTE RECYCLED in DEKALB COUNTY

2004-2012

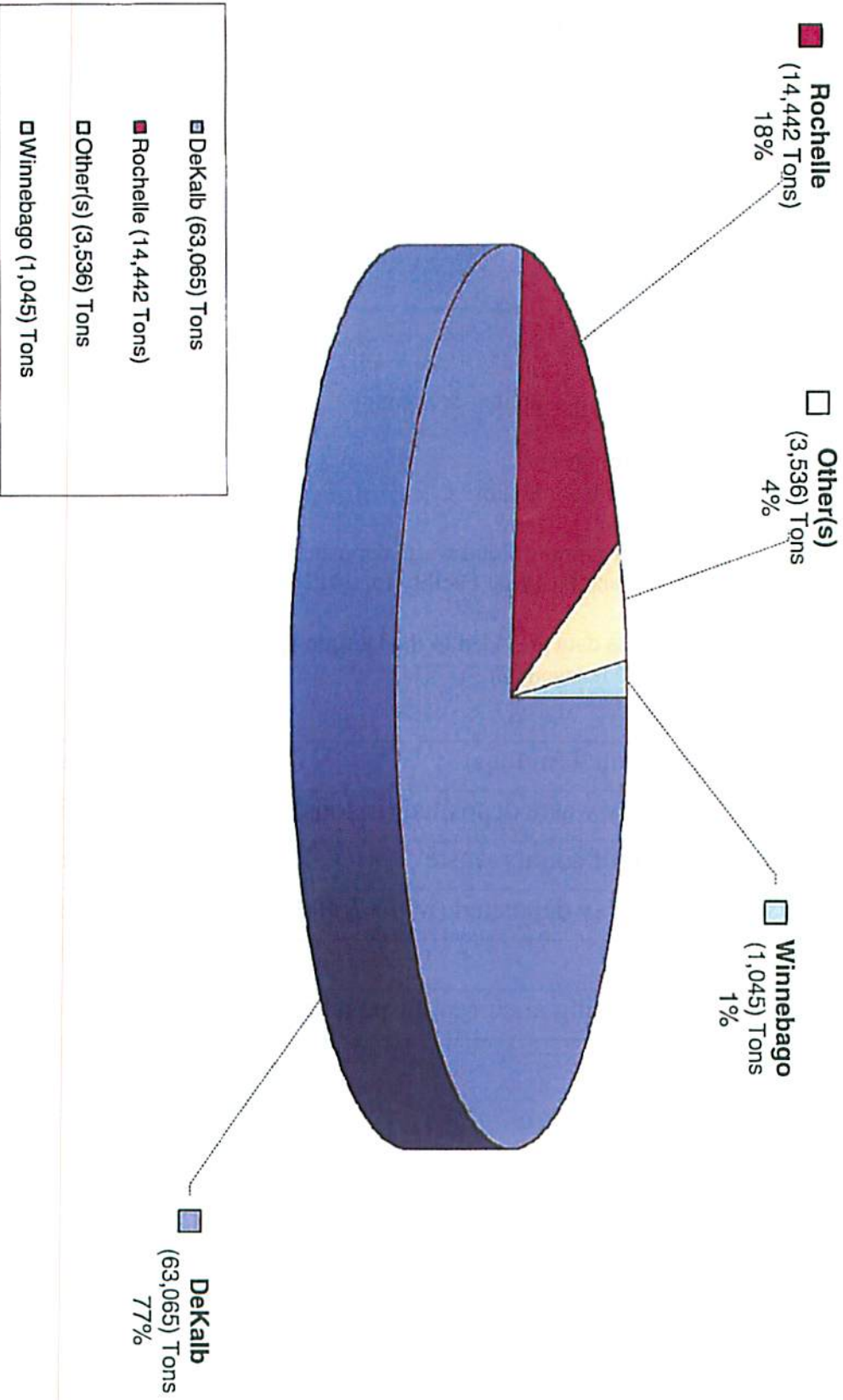
Graph 2





# FINAL DISPOSAL DEKALB COUNTY WASTE 2012

Graph 3



**DATE:** March 27, 2013

**TO:** DeKalb County Planning & Zoning

**FROM:** Christel Springmire  
Solid Waste Coordinator

**RE:** End of year report of total waste deposited at the DeKalb County  
Recycling and Disposal Facility for 2012

The following information reflects data provided to the DeKalb County Solid Waste Management Program by Waste Management.

Total waste deposited (in tons)	74,443 tons
Total out of county waste deposited (in tons)	12,115
Percentage of out of county waste	16.25 %
Average tons per day deposited (M-F=260 days)	286.32
Total tipping fee	\$89,235.03
Years of life remaining at current disposal rate	5

# **DEKALB COUNTY RECYCLING AND SOLID WASTE MANAGEMENT PROGRAM 2012 Achievements**

- Provided **information and consultation** to individuals, businesses, municipalities, and school districts regarding recycling and waste reduction. Partnered with Cooperative Extension to provide school education for **4516 County students**.
- Surveyed area waste haulers and private businesses that contract recycling services to **determine the County's annual recycling rate** to be 61 percent total recycled waste and 48 percent without construction and demolition waste.
- Co-sponsored with the DeKalb County Farm Bureau an **Electronic Recycling Collection**. Over 55 tons of e-waste was collected at this event. Partnered with Boy Scout troops and a service club to provide labor for the day.
- Coordinated the consortium of municipalities who took over the hosting of electronics recycling events at their sites. These monthly collections brought in nearly 81 tons of product and are more convenient for residents.
- Coordinated collection of **Compact Fluorescent Lamps and Household Batteries** at the electronics recycling collection for proper recycling/disposal. Approximately 2 tons of batteries were collected for recycling and numerous containers of compact fluorescent bulbs were sent for proper treatment.
- Hosted a **Latex Paint** collection event for recycling. Over 34 tons of paint and containers were collected at this event.
- Provided "**Event Recycling Containers**" for non-for-profit groups to borrow for recycling at outdoor festivals and events.
- Coordinated the County's **Printer Cartridge and Lead Acid Battery recycling**.
- Served as an ad-hoc member on the **City of DeKalb Citizens Environmental Commission**.
- Distributed **news releases** to media regarding recycling, reuse, and waste reduction.
- Continued funding the **rural recycling drop-off site** in Kingston, Illinois. The rural recycling site at the Somonauk Township Highway Department began collections in the spring of 2012.
- Coordinated the **Holiday Light Recycling** program for County residents, which brought in approximately one ton of holiday lights for recycling. Partnered with various municipal sites for greater convenience for residents.

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## **DEKALB COUNTY SOLID WASTE MANAGEMENT PLAN PROGRAM GOALS**

- 1. Support increased public involvement and education.**
  - a. Regularly submit press releases and feature articles to area radio stations and newspapers.
  - b. Support the Natural Resource Education Consortium to update the educational curriculum used in the DeKalb County schools.
  - c. Present recycling/waste issues information for community and school groups.
  
- 2. Focus on source reduction, recycling, and reuse options**
  - a. Maintain the funding for rural recycling collection sites.
  - b. Explore the feasibility for municipalities to adopt recycling ordinances for businesses and multi-unit housing units.
  - c. Identify and recommend model source reduction programs throughout the county.
  - d. Maintain work with municipalities on hosting of routine recycling collections.
  - e. Work with the schools on recycling options and source reduction.
  - f. Promote freecycling, and electronic exchange postings of items within the community.
  - g. Promote purchasing of recycled material products in DeKalb County communities.
  - h. Develop a list-serve for County residents regarding the Solid Waste programming.
  
- 3. Address management of special wastes within DeKalb County**
  - a. Continue to sponsor various special waste collections.
  - b. Focus on education for disposal of special and "orphan" wastes.
  - c. Research alternatives for ongoing disposal of special wastes.