



2017 SOLID WASTE ANNUAL REPORT

Executive Summary

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, the County 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, 2010 and 2015, 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. The Host Fee Agreement for the landfill expansion went into effect in 2014. In August 2014, revenue for the Solid Waste Program transitioned from tipping fees to the Host Fee Agreement.

The County Board adopted Resolution 2014-65 on September 17, 2014 to adopt zero waste as a guiding principle within the DeKalb County Solid Waste Management Plan, as recommended by the Zero Waste Task Force, and directed that the initial task focus on: the expansion of Rural Recycling, development of an ordinance to address Commercial/ Multi-Unit Recycling, development of a pilot program to harvest organic waste and establishment of a community advisory committee to provide input.

The following DeKalb County Landfill data was provided by Waste Management:

Total waste deposited (in tons)	544,815.27
Total out of county waste deposited (in tons)	498,672.03
Percentage of out-of-county waste	90%
Average tons per day deposited (5-day weeks, total 260 days)	2,095.44
Years of life remaining at current disposal rate	43

Over the course of the last twenty years, the Solid Waste program has committed to managing Solid Waste with the intention of diverting as much away from the landfill as possible. Each year, the Program follows the plan to work toward the goal of reducing the landfill rate by 50 percent by the year 2034. In 2017, about 26% of waste was diverted from the landfill. Another way of measuring the amount of waste generated is by measuring the pounds per person per day (ppd). In 2017, the landfill rate measured 4.3 ppd; this is a decrease of from the 2016 of rate of 5 ppd.

2017 Solid Waste Program Achievements

Harvesting Organic Waste

- Over 87 homes participated in the City of DeKalb Food Scrap Composting Pilot Program. Food scraps were mixed with yard waste, a negligible amount of food was removed from the waste stream. Residents were happy with the program and want to see it continue in 2018. Waste Management will continue to offer the program in 2018 for a fee. Additionally, residents were able to add pumpkins to the landscape dumpsters for composting in the City of DeKalb.
- The DeKalb Corn Fest committee agreed to collect corncobs for composting at this year's event. Almost 400 pounds of corncobs were composted.

Rural Recycling

- The Solid Waste Program continued the rural recycling agreements with Somonauk Township and in Kingston. The sites service rural residents in both the southern and northern regions of the County that do not have curbside recycling. Over the past two years, we have seen an increase in the availability of curbside recycling to better serve County residents.

Other Solid Waste Program (SWP) Achievements

- The SWP coordinated a household hazardous waste (HHW) drive and collected almost 26 tons of HHW. Residents of Sycamore, Genoa and Kirkland had the option of disposing HHW through the At Your Door program with Waste Management. An additional 7 tons of materials were disposed through that program. Finally, 264 tons of used oil from DeKalb County businesses was recycled.
- The SWP coordinated a collection event and distributed over 200 pairs of gently used athletic shoes to be reused by children throughout the county.
- The SWP continued to provide assistance to the municipal electronic recycling programs. We also collected almost 200 tons of electronic waste at events throughout the County. Additionally, over 1,000 pounds of holiday lights were recycled.
- The SWP sponsored a latex and oil-based paint collection event that resulted in over 11,000 pounds from residents for recycling.
- The SWP worked with the University of Illinois Extension to provide recycling education to over 4,100 students. Health department staff also provided Earth day education to clients and conducted waste audits for the Sycamore School District.
- The SWP participated in the advocacy efforts of the Illinois Product Stewardship Institute to provide recommendations to the Illinois Environmental Protection Agency concerning electronics recycling legislation.
- The SWP worked in partnership with other organizations focused on waste reduction, including the Northern Illinois University Green Team, City of DeKalb Citizen's Environmental Commission, Illinois Product Stewardship Council, Illinois Food Scrap Coalition, Illinois Recycling Association and Illinois County Solid Waste Managers Association, the Fox Valley Sustainability Network

2018 Solid Waste Program Goals

Harvesting Organic Waste

- Provide food scrap collection option to all city of DeKalb residents.
- Increase commercial food scrap collection diversion from the landfill.

Rural Recycling

- Continue to increase community awareness of the availability of rural recycling sites in order to encourage rural residents to utilize.

Commercial/Multi-Unit Housing Recycling

- Work with Municipal leaders to advocate for stronger recycling ordinances.
- Encourage commercial and multi-unit owners to voluntarily institute recycling policies.

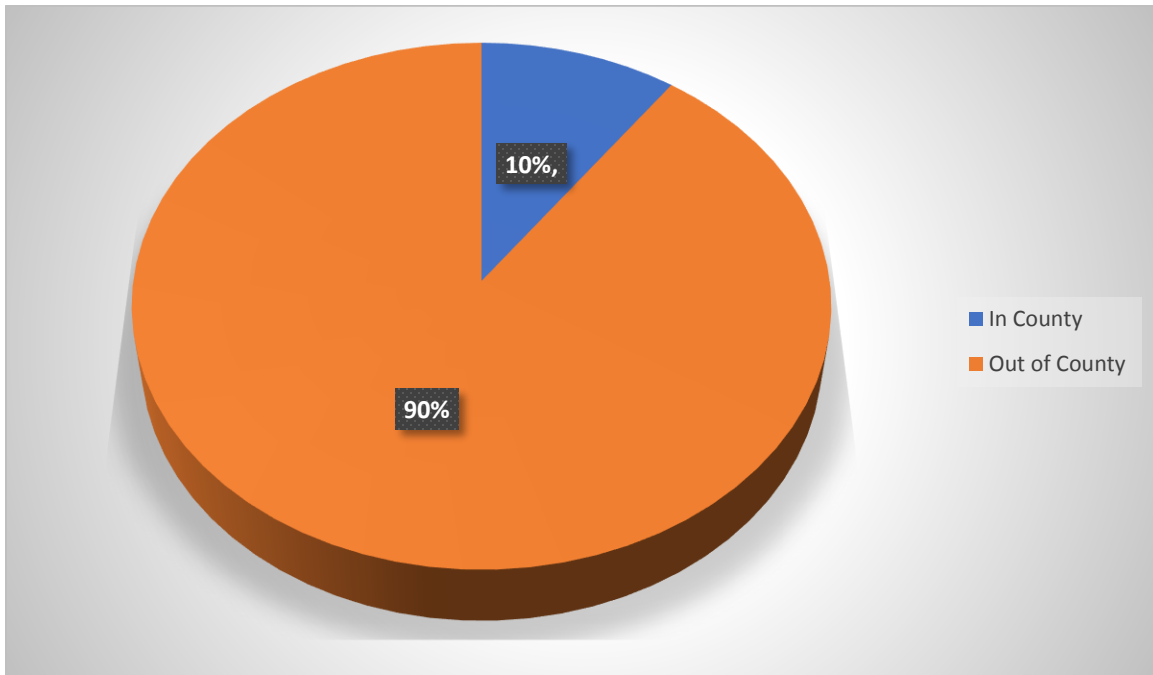
Other Solid Waste Program Goals

- In addition, in the SWP will:
 - Coordinate the annual Shoe Share Drive, host the annual Household Hazardous Waste drive, latex and oil-based paint collection, clothing collection, and holiday lights collection.
 - Encourage the City of DeKalb to adopt a curbside electronics collection program.
 - Increase public awareness about recycling and food scrap collection at community festivals and events.
 - Work with municipal leaders to increase overall waste diversion from the landfill.
 - Continue to participate with waste industry partners including the Illinois County Solid Waste Managers Association, Illinois Food Scrap Coalition, Illinois Product Stewardship Council, the Citizens Environmental Commission and the Solid Waste and Recycling Community Advisory Committee for networking, sharing ideas, staying informed of legislation and advocacy efforts.
 - Augment the recycling programs within the Sycamore school district and provide waste audits as requested.

Solid Waste Program Data for 2017

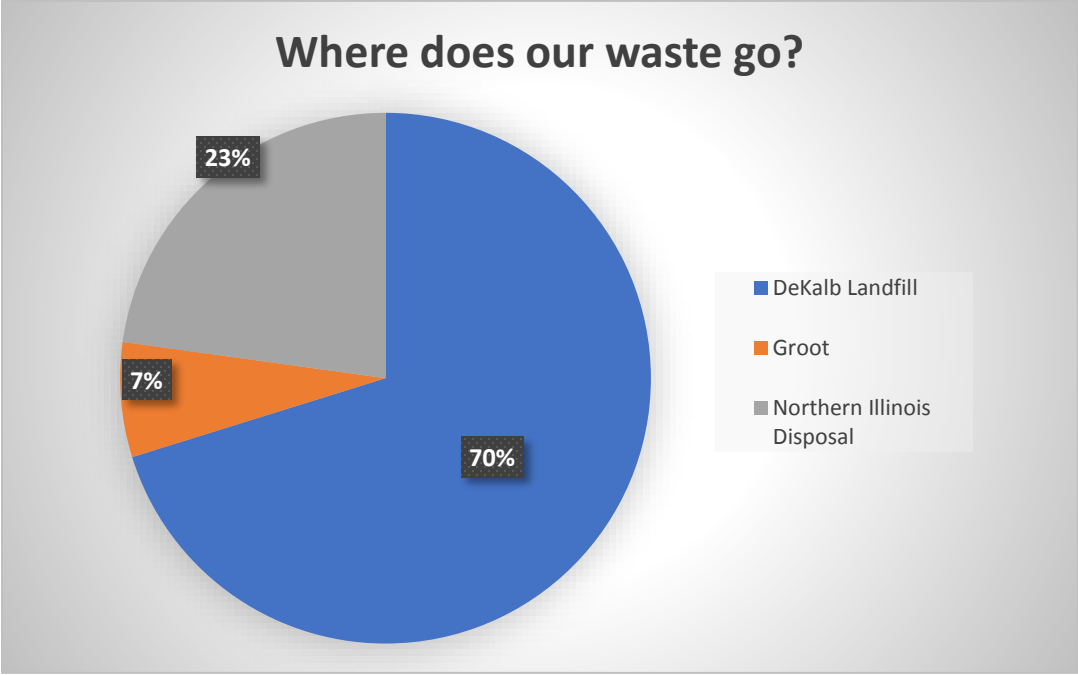
Graph 1: Indicates the amount of waste landfilled in the DeKalb County Landfill from DeKalb County and other counties. DeKalb County communities generated 46,143.24 tons or 10% of the waste. Surrounding counties generated tons 452,528.79 or 90% of the waste. Waste Management voluntarily provided this data from the DeKalb County Landfill.

Graph 1: Waste Sent to DeKalb County Landfill (tons)



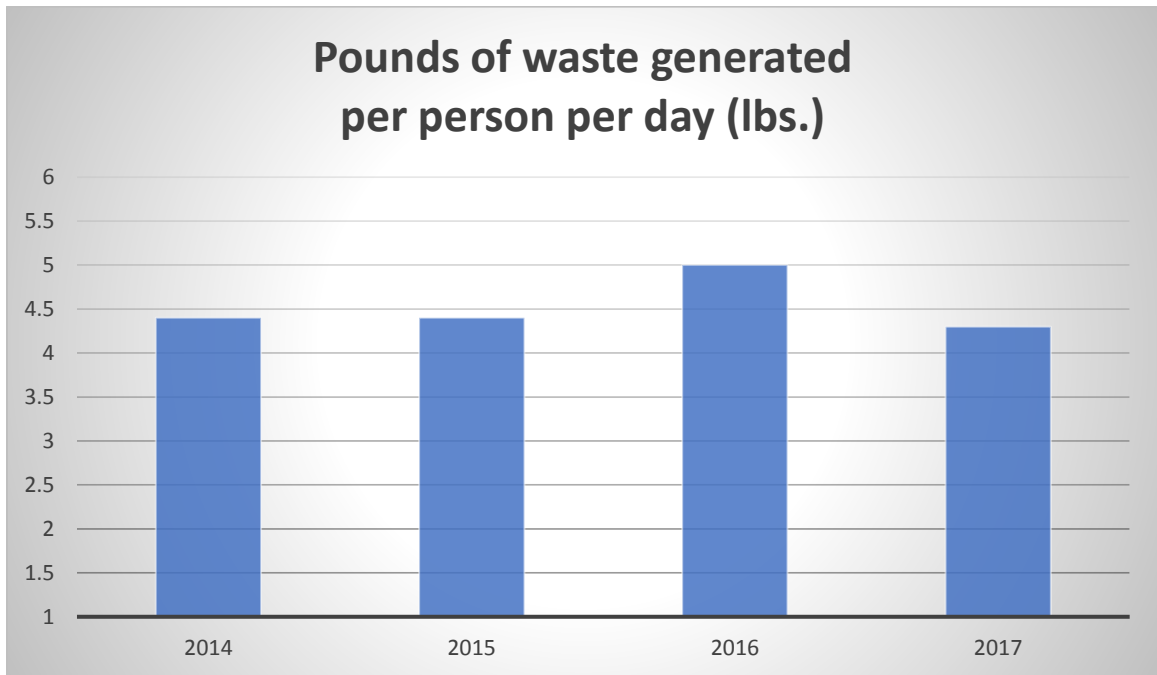
Graph 2: Indicates the amount of waste DeKalb County residents and businesses generated and which landfill accepted the waste. DeKalb County Landfill accepted 70 percent of the County’s waste. Northern Illinois Disposal of Rochelle accepted 23% and Groot of Plano accepted 7%.

Graph 2: Waste generated by DeKalb County (tons) and its Destination



Graph 3: Indicates the County's per capita landfill rate 2014 -2017. In 2017, the County generated 4.3 pounds of waste per person per day (PPD). This is a decrease from 2016, which was 5.0 PPD may have been a result of increased recycling collections.

Graph 3: Per capita landfill rate (PPD)



Graph 4: Indicates the estimated composition of materials recycled. In 2017, 12,920.9 tons of recyclable materials were collected and diverted from the landfill. Commingled waste represented the largest portion of the recycling stream. Other categories of recyclables appear below. All recycling percentages are based on voluntary information provided by businesses and haulers known to be operating in DeKalb County.

Graph 4: Recycling Composition Estimates

