

**SOLID WASTE MANAGEMENT PLAN:
TWENTY-YEAR PLAN – FIVE YEAR UPDATE**



2019
Date adopted by the Grundy County Board 10/8/2019

**SOLID WASTE MANAGEMENT PLAN:
TWENTY-YEAR PLAN – FIVE YEAR UPDATE**



2019
Date adopted by the Grundy County Board _____

TABLE OF CONTENTS

- I. Environmental Committee and Solid Waste Update Steering Committee Members**
- II. Executive Summary**
- III. Current Needs Assessment Information**
- IV. Recommendation and Implementation Contained in Current Adopted Plan**
- V. Recycling Program Status**
- VI. Recommendations and Implementation Schedule**
- VII. Summary**
- VIII. Appendix:**
 - A. Meeting Agendas and Minutes**
 - B. Event Advertisement**
 - C. Public Hearing Information**
 - D. Adoption Resolution**

Grundy County Land Use Committee Members:

Ms. Debra Jo Kinsella - Chairwoman
Ms. Millie Dyer – Vice Chairwoman
Mr. Mike Onorato
Mr. Ken Iverson
Mr. Jake Olson
Mr. Harold Vota
Ms. Ellen Hanson

Mr. Chris Balkema – County Chairman

Solid Waste Update Steering Committee Members

Mr. Robert Breisch – SWUSC Chairman
Ms. Debra Jo Kinsella
Mr. Drew Muffler
Mr. George Gray
Mr. Frank Barber
Mr. Eric Dippon
Mr. Shane Gilbertson
Mr. Ryan Hansen
Mayor Richard Kopczick
Mayor David Wright
Mr. Art Hornsby
Mr. Gerald McKinney
Mrs. Jean McKinney
Mr. Tim Urbanik
Ms. Victoria Wax
Mr. James Pozzi
Mr. Frank Hillegonds
Mrs. Heidi H. Miller

Grundy County Solid Waste Management Plan Five Year Update to the Twenty Year Plan

II. Executive Summary

- A. Solid Waste Plan - Grundy County (hereafter referred to as the 'County') adopted the Solid Waste Plan (hereafter referred to as the 'Plan') on November 9, 1992. The Illinois Environmental Protection Agency (IEPA) reviewed the plan making revisions which required the revised plan to be adopted on June 15, 1993. The Plan was adopted in accordance with the Illinois Solid Waste Planning and Recycling Act (SWPRA) (415 ILCS 12/1 et seq.).

The SWPRA requires that each Illinois County adopt a solid waste plan that will reduce the amount of waste generated. Recycling and composting waste materials is preferred over landfills. Every twenty years a new plan is institute and updated every five years following.

The state statute requires that each plan accomplish the following:

- 1) A needs assessment was developed to determine waste generation rates (pounds per capita/day) and composition of the municipal waste stream. Management methods for municipal waste were analyzed and preferred methods were chosen. Needs assessments should be completed at the 20 year plan development.
- 2) Preferred waste management programs for the twenty year planning period.
- 3) To develop an economic analysis of alternatives to waste disposal in landfills.
- 4) To develop public involvement through the programs and decisions made by the Land Use Committee.
- 5) To include a recycling program that subject to the availability of markets for the recyclable material will attempt to recycle 25% of the municipal waste generated in the county.

- B. Implementation of the Plan included the enactment of the following agreements:

- 1) The use of the funds received from green energy fund from the EDP Renewables wind farm in Grundy County, the additional funds from grants, and funding provided by the County to purchase educational items to aid in the teaching of the students and residents within the county to promote recycling, reducing, reusing and respect of the earth (hereafter known as the 4Rs).
- 2) Updating the Solid Waste Plan every five years incorporating any changes and potential development in the form of waste management.

- C. Summary of implementation of the Plan:

Being progressive is the most important role the County will have through our Solid Waste Update Steering Committee. Thus far, the County has made great strides in obtaining this goal.

In order to develop this Plan, the County formed a committee of interested citizens, waste haulers, County Board members, municipal representatives, industrial users, and County staff. In doing so the County was able to gain a good perspective of what has and has not worked in the past and what direction the County should take in the future. The changes that were made to the Plan include discontinuation of unsuccessful events and also the addition of new environmental educational programs.

In enhancing the energy conservation portion of the 20 year plan of 2014, the office was

able to teach effectively these concepts and also give tours of the wind farm in Grundy County for the students to get a complete perspective of the impact of alternative energy sources are possible.

The County's focus at this time is to educate the current generation. As the County continues to grow, it is apparent that education is important in the putting the 4Rs more into action.

Based on the demographics of Grundy County, there has been an increase of the population from 2000 (37,535) to 2010 (50,063) of 33.4%, and from 2010 (50,063) to 2018(est. 50,972) of 2%. However, as studied by CMAP our population by 2050, a thirty-seven year projection from now, our County's population will increase to 85,419 which would be a 70% increase from our 2010 census amount which was 50,063. With this anticipated growth pattern, this biggest issue that Grundy County faces is waste management. With this anticipated population change this plan address alternative waste stream handling trends for the next twenty years.

It is estimate that each individual produces at least an average of 4.5 pounds of waste a day. If we look toward an eventual population growth of 85,000 residents in our County, there is a potential that we would need to think of the final disposal of 382,500 pounds or 191 tons a day. Having things in place or making positive strides toward attainable goals is paramount in keeping the well- being and environmental health that Grundy County residents are accustomed to.

III. Current Waste Assessment Report

This section of the 20-Year Plan Update provides current information on demographics, waste generation, and waste management practices in Grundy County.

A. Demographics

Population data for Grundy County and its municipalities is provided in Table 1 below. Over the period 2000-2010, the County experienced significant growth, with a population increase of more than 33%, making Grundy County the third fastest-growing county in Illinois (behind its neighbors, Will and Kendall Counties). Since 2010, the US Census estimates that County population has been relatively flat, with an estimated 2018 population of 50,972.

Between 2000 and 2010, population growth occurred in incorporated areas only, with approximately 76% of the County's population residing in incorporated areas as of 2010. The vast majority of the growth (85%) occurred in communities along the eastern boundary of the County, including Channahon, Coal City, Diamond, and Minooka. Additional population growth occurred in Mazon and Morris.

B. Municipal Waste Generation

Based on data reported by the licensed haulers operating in Grundy County, in 2018 the County generated a total of 41,683 tons of municipal waste, including garbage, recyclables, and landscape waste. This equates to a 2018 generation rate of 4.5 pounds per capita per day (pcd). Of the total municipal waste generated, 6,133 tons were reportedly collected for recycling or composting, indicating a diversion rate of 15%. Remaining waste is disposed at an average rate of 3.8 pcd. This is slightly lower than landfill disposal quantities would indicate for counties outside of the 6-county Chicago metropolitan area (Cook, DuPage, Kane, Lake, McHenry and Will Counties), which indicated a disposal rate of 4.7 pcd in 2011 (the latest year for which data has been compiled).

The following information summarizes 2018 values of Municipal Waste (MW) that is currently generated within the County:

POPULATION:	50,972 (2018 US Census)
TOTAL MW GENERATED:	41,683 tons
MW GENERATION RATE:	4.5 pcd
TOTAL MW RECYCLED/COMPOSTED:	6,133 tons
% OF MW RECYCLED/COMPOSTED:	15%
MW DISPOSAL RATE:	3.8 pcd

TABLE 1. GRUNDY COUNTY POPULATION DATA

Jurisdiction	2000 Census Population	2010 Census Population
Grundy County	37,535	50,063
Braceville (part)	792	792
Carbon Hill	392	345
Channahon (part)	109	3,215
Coal City (part)	4,797	5,585
Diamond (part)	1,383	2,508
Dwight (part)	7	6
East Brooklyn	123	106
Gardner	1,406	1,463
Godley (part)	49	49
Kinsman	109	99
Mazon	904	1,015
Minooka (part)	2,583	8,270
Morris	11,928	13,636
Seneca (part)	0	6
South Wilmington	621	681
Verona	257	215
Incorporated Area Population	25,460	37,991
Unincorporated Area Population	12,075	12,072
Incorporated Percentage of County Population	68%	76%
Source: 1. US Census data. Note: 1. Jurisdictions only partially located within Grundy County are denoted with "(part)" in the table above. Only the portion of the population in these jurisdictions which is within Grundy County is reported.		

C. Current Waste Management Practices

Licensed Waste Haulers

Section 3-3-6 of the Grundy County Code of Ordinances requires all haulers operating in the County to secure an annual hauler license. There are currently six haulers licensed to collect municipal waste in the County:

- Environmental Recycling and Disposal
- Homewood/NuWay
- JB Disposal
- Republic Services
- Three Rivers Waste and Recycling
- Waste Management

All haulers serving residential properties are required by the County Code to offer curbside recycling services to residents. Residential waste and recyclables in a number of municipalities in the County are collected under contracts between the licensed hauler and the municipality. Residential waste and recyclables are collected by a single hauler under municipal contract in the following communities:

- Channahon and Coal City - Waste Management
- Morris - Republic Services
- Diamond and Minooka - Homewood/NuWay Disposal

These communities represent more than 80% of the population in incorporated areas and more than 60% of the County's total population. Residential waste in other areas of the County, as well as commercial waste, is collected through individual arrangements between waste generators and the licensed hauler of their choice.

Disposal

Based on the waste generation data presented previously, 85% of the waste generated in Grundy County is currently disposed. All disposed waste is delivered to landfills or to transfer stations with subsequent transfer to landfills; there are no municipal waste incinerators or other disposal technologies serving Grundy County.

There is no working landfill within Grundy County as Environtech Landfill has been closed. All waste generated in the County is disposed into other landfills within the state of Illinois.

The 2017 capacity reports for landfills in Illinois according to the IEPA is as follows:

Northwestern Illinois Region:

LaSalle County - Landcomp landfill – 18.8 years – 31 miles from Morris

DeKalb County – DeKalb County landfill – 30.6 years – 50 miles from Morris

Chicago Metropolitan Area Region:

Will County – Prairie View Recycling and Disposal Facility (Limited to Will County residents only) – 17.1 years – 26 miles from Morris

East/Central Illinois Region:

Livingston County – Pontiac or Livingston Landfill – 21.6 years – 40 miles from Morris

Recycling

Recycling services are provided by several licensed haulers operating in the County, including Environmental Recycling and Disposal; Homewood/NuWay; Republic Services; and Waste Management. Approximately 15% of the County's waste was collected for recycling in 2018.

The following materials are currently collected by Grundy County licensed waste haulers or by Grundy County through special collection programs:

- Aluminum
- Hearing Aids
- Household Batteries
- Incandescent Light Bulbs
- Lead Acid Batteries
- Commingled Recyclables
- Construction/Demolition Debris
- Electronic Waste
- Eyeglasses
- Glass
- Household Hazardous Waste
- Landscape Waste
- Metals
- Paint
- Paper and Cardboard
- Plastics
- Tires
- Used Books

- Used Toys
- White Goods

Commingled curbside recyclables collected from the County are principally delivered to Resource Management in Will County, Rockdale Transfer Station in Will County, and Heartland Recycling in Cook County. The County also operates a number of paper recycling collection locations, which are collected by Paper Retriever.

Composting/Land Application

Landscape waste is collected for land application or composting primarily from the communities in which waste services are provided under municipal contract. In 2018, approximately 5.0% of the waste generated in the County was collected for composting or land application. Additional quantities of landscape waste are managed by property owner's onsite, such as by leaving grass clippings on the lawn or through backyard composting. The amount of landscape waste managed onsite has not been quantified.

There are no composting or land application facilities operating in Grundy County. Landscape waste collected in Grundy County is delivered either to Joyce Farms (a land application facility) in Kankakee County or to transfer stations in Cook and Will Counties for transfer to composting or land application facilities.

Future Considerations for Grundy County:

Future disposal options to serve Grundy County could include one or more of the following:

- Development of a transfer station in Grundy County. An in-County transfer station would provide the County with a local site to which waste may be delivered. Once delivered to the transfer station, 3 or more loads of waste would be consolidated into a single transfer trailer for transport to a regional landfill for disposal. This provides for more cost-effective transport of waste over longer haul distances than direct hauling the waste in collection vehicles to more distant disposal facilities because transfer trailers have a lower per-ton operating cost than collection vehicles. In addition, it provides greater flexibility in selecting disposal sites, can operate for an indefinite period with proper maintenance because it is not a final disposal site, and is adaptable to changes in waste handling practices by providing options for transfer of recyclables and organic wastes.
- Development of a municipal waste incineration / waste-to-energy facility in Grundy County. A municipal waste incinerator (also referred to as mass-burn incinerator or waste-to-energy facility) reduces the volume of waste

requiring disposal, generating ash and the potential to produce energy. There are no municipal waste incinerators operating in Illinois; the last facility to operate in the state closed in 2000. When originally considered in the County's 1993 Solid Waste Management Plan, it was determined that incineration was not a viable option for Grundy County due in part to high capital and operating costs (and therefore higher tipping fees relative to landfill disposal - often more than double the landfill tipping fee) and low energy purchase prices offered by local utilities for energy produced from the facilities. These conditions have not changed, and are the principal reasons that incineration facilities are not relied upon in Illinois currently.

- Development of an alternative disposal technology facility in Grundy County. A number of alternative disposal technology projects have been proposed across the U.S. in the last 10-15 years. These facilities utilize thermal or chemical treatment methods to process waste, producing by-products that may include energy (in the form of gas, steam, or liquid fuel), and a solid (in the form of char or ash). Technologies include gasification, pyrolysis, waste-to-fuel, and other similar processes. A portion of the waste stream is not able to be processed by these technologies and would continue to require disposal in a landfill. Co-location of an alternative disposal facility with a landfill or transfer station can facilitate operations, as it provides convenient management of wastes that are not able to be processed as well as access to other means of disposal if the facility is shut down for routine maintenance or unplanned repairs.

IV. Recommendation and Implementation Contained in Current Adopted Plan

A. 2019 Solid Waste Program Update:

Listed below is a summary of the events and activities that will be attempted for the next five years of this plan:

1. Source Reduction:

- 2019-1: Continued Education in the Schools: Education goals will be combined through the assistance of the Farm Bureau through their Ag in the Classroom educational programming.
- 2019-2: Consolidation of the Waste Haulers in the County – Township: Consider working with townships to see if there would be some interest in consolidation such that there would be one waste hauler township-wide.
- 2019-3: New Legislation: Monitor any source reduction legislation.
- 2019-4: Alternatives Methods: Continue research of new alternative

methods of providing communities with new options to landfill disposal.

- 2019-5: Conservation Days: Continue to partner with the Soil and Water Conservation District in participating in the Conservation Days Water resource preservation education station.

2. Recycling and Reuse:

- 2019-1: Compostable biodegradable packaging: Work with the Environmental Health Department to provide a flyer of information in their applications on the use of this type of packaging would have on the environment. Flyer would include companies that produce these materials as well.
- 2019-2: Green Guide Updates – Continue to add more options for the residents to recycle and educational applications for children and adults.
- 2019-3 Permanent Ewaste Location - Construct electronic waste recycling center at a secured location that will provide a weather proof enclosures for ewaste products based on receiving a grant for that construction.
- 2019-4: Construction Debris Reuse/Recycling – Include in the single family and other permit application packets information on the importance of reuse/recycling of construction materials and where the locations are that will achieve this.
- 2019-5: Increase awareness in other County Buildings – This needs to be checked to ensure that all campus buildings are recycling and providing all of the employees the ability to do so. Work with the elected and department heads to assist in this task.
- 2019-6: Develop Accuracy for Recycling Rates: There are companies of commercial and industrial uses in Grundy County that recycle materials commonly used at their locations. As these recycling values should be included in the recycling rate for the county, we would need their total pounds purchased and how many pounds are recycled to be able to include those values in the overall rate for the county. Without a rate, we should include those values as known recycling amounts that may help promote recycling from other businesses in the county.
- 2019-7: Compost Facility: Work with public works, and landscape companies within the county to determine the contracts for landscape waste disposal. Based on total values, Grundy County should consider affording effort in attracting composting companies to our County.
- 2019-8: Recycling Incentives County Employees: To assist the employees

in recycling, there may be incentives provided that will aid in the recycling. Bins should be checked to ensure that labeling is clear on what is to be recycled in specific containers.

- 2019-9: Earth Day and American Recycles Day Promotions: Advertise specific special promotional giveaways at the County building on these dates to help the residents understand the importance of the 4Rs.
- 2019-10: Green Products Information: Include in the Green Guide what products are truly green in regards to sustainable resources and energy sources. Newspaper article should also include these types of products as well.
- 2019-11: LEED Building Incentive – The Green Code adoption gives options to the builders of Grundy County to incorporate more resource protective and sustainable materials when constructing structures such as a home. However, it is also a good time to provide them an incentive to doing so in the lowering of the building permit costs that they incur.
- 2019-12: Car Ride Share: Educate public through the use of the newspaper Community Pulse and the Industrial users in the County to promote ride share programs.
- 2019-13 Grant and Education Opportunities for Schools: Continue to send grant and educational information to the county schools for their use.

3. Monitoring of Environtech Landfill Compliance

- 2019-1: Monitor Environtech Landfill Reports: The County will need to continue to monitor all reports concerning the well testing and runoff results from the closed Environtech landfill facility to ensure compliance.

4. Alternative System to Waste Management

- 2019-1 Attract Alternative System Facilities to the County: Work with the GEDC to aid in the potential of bringing this type of facility to Grundy County to take all waste from the county in order to recycle and dispose of through a waste to energy facility.
- 2019-2 Composting: Encourage compost facilities or for waste haulers to provide compost pick up as an option in their contracts with residents.

5. Energy Efficiency for County and Municipal Buildings

- 2019-1 Energy Audits: Consider having energy audits with the cooperation of the directors of the buildings and their maintenance

directors.

- 2019-2 Alternative Fuel Fleet Vehicles: Determine if these types of vehicles would be viable alternatives for the county.

B. Current Plan Implementation Efforts and:

Program or event	Source Reduction	Timeframe
2019-1	Continue educational programs for schools to teach the 4Rs.	Program will be connected to the Farm Bureau's Ag in the Classroom - Ongoing
2019-2	Consolidation of Waste Haul in Townships	5 years
2019-3	New Legislation	Monitor any source reduction legislation and make appropriate changes to recycling events. Ongoing.
2019-4	Compostable biodegradable packaging	1 Year – Work with Environmental Department to add to restaurant certifications/permits.
2019-5	Grant and Education Opportunities for schools	Ongoing – Continue to send grant opportunities to the schools via the Green Teacher email chain.

Program or event	Recycling and Reuse	Timeframe
2019-6	Permanent Ewaste Location	5 years – Grant achieved shed
2019-7	Provide event programs for the proper disposal and recycling of materials that are banned from disposal from the landfills	Ongoing with newspaper and Green Guide release annually.
2019-8	Include information within the Green Guide to that will assist in the recycling materials throughout the county and nearby counties	Annually; Continue to update guide. Add green products.
2019-9	Educate adult residents: <ul style="list-style-type: none"> - Through newspaper articles - Tipsters and information provided in Green Guide. 	Ongoing - Newspaper articles and the Green Guide are the only sources that will assist the public as there are no public events that are free for us to attend to educate.
2019-10	Increase awareness in all campus County buildings concerning recycling.	Ongoing. Check with maintenance for each building that they have bins/signage for this effort.

2019-11	Support a construction and demolition debris recycling program with the Land Use Building and Zoning Office	1- Year - Include information in each building permit such that contractors/homeowners are aware of recycling of these materials.
2019-12	Develop methods and procedure for obtaining accurate recycling rates.	2 years - Work with commercial and industrial facilities in Grundy to determine these values.
2019-13	Determine landscape waste amount from public works departments to begin a municipal composting program county wide. Also work with local landscape companies to determine the potential of having a composting facility in Grundy.	Ongoing.
2019-14	Advance recycling efforts by County employees by offering incentives for employees and departments.	Begin this program by working with HR Director.
2019-15	Sustainable vehicle fleet for County – research potential for state bid vehicles to replace gasoline powered vehicles for the fleet.	5 Years

Program or event	Disposal in Landfills	Timeframe
2019-16	No new landfills or expansion of existing landfills in Grundy County.	Immediately active-Ongoing.
2019- 17	Possible development of a compost facility based on landscape produced and potential developer search with the help of the GEDC.	Five years
2019-18	Monitor closure of current Environtech landfill and keep current with proceedings to bring compliance to the noncompliant Community Landfill according to the current I.E. P. A. Rules and Regulations.	Continuously

Program or event	Alternative Waste to Energy Technology	Timeframe
2019-19	In order to support alternative waste to energy technology, staff should attend conferences, and communicate with potential developers about Grundy County with the cooperation of local industrial supporters such as GEDC and communities. If an alternative waste to energy facility is developed in Grundy County they should be encouraged by the office and also be open to facilitating educational tours when possible.	Annually

Program or event	Environmental Education	Timeframe
2019-20	Continue to work with the SWCD during their Goose Lake Prairie Conservation program.	Ongoing – Annually
2019-21	Green LEED building introduction to County buildings and other schools and businesses within the County. Adoption of the ICC Green Code and the ICC Building Codes – 2018.	Provide an incentive by reducing permit costs for specific attributes achieved in construction.
2019-22	Expand education concerning the use of natural gas powered vehicles. Work with County and municipalities to the conversion of fleet vehicles.	Ongoing.
2019-23	Provide education resources via the communication network for residents to incorporate energy/resource usage.	Annually – Green Guide and Community Pulse in the newspaper
2019-24	Car Ride Share Program to educate residents to share car rides to industrial/commercial jobs.	4 years

V. Recycling Program Status from 2019 5 Year Update to the 2014 Twenty Year Solid Waste Plan:

- A. Has the program been implemented throughout the county or planning area?

Yes

- B. Has a recycling coordinator been designated to administer the program?

Yes

- C. Does the program provide for separate collection and composting of leaves?

Yes

- D. Does the recycling program provide for public education and notification to foster understanding of and encourage compliance with the program?

Yes

- E. Does the recycling program include provisions for compliance, including incentives and penalties?

Yes

Recycling is not mandated within the county. Therefore, penalties are not enforced. Educational efforts and information provided via the County's website which is www.grundyco.org, its Green Guide, and at public events provide county with information they need to better incorporate recycling into their homes and businesses. The waste haulers operating in the County have been required since 1995 to provide recycling services. All of the communities within the County now have curbside recycling.

- F. Does the program include provisions for recycling the collected materials identifying potential markets for at least three materials and promoting the use of products made from recovered or recycled materials among businesses, newspapers, and local governments?

Yes.

The County waste haulers are required through annual waste hauler licensing to weigh the amounts of the materials that they pick up within the

county and the amounts that are recycled and provide those figures to the Grundy County Land Use Department. The County has been active in letting the public know about the importance of recycling and also the products made of post-consumer recycled content for purchase locally. The County has promoted recycling through school districts, municipalities and at the County buildings in the following manner:

- *School children:*
 - *Distribution of promotional gifts such as pencils, temporary tattoos, stickers, crayons, bags, yoyos, Frisbees, and coloring books, etc.*
 - *Show products made by reusing waste materials (i.e. license plate into a cd holder).*
 - *Works annually with the SWCD at Conservation Days at the Goose Lake Prairie to teach interactively about water conservation.*
 - *Wind farm and landfill tours to students.*
 - *Vermicomposting demonstrations in the classrooms and libraries with Ag in the classroom from the Farm Bureau for adults and children.*
 - *Toy and book drives at schools*
- *Municipal Notification:*
 - *Distribution of event flyers to Village and City Halls.*
 - *Distribution of flyers to prominent business within the County.*
 - *Newspaper press releases.*
 - *Radio announcements and interviews.*
- *County Buildings Recycling Efforts:*
 - *All five County buildings are currently completing paper recycling through Abitibi.*
 - *The Administrative building is currently recycling paper/cardboard, aluminum and plastic.*
 - *The County has purchased post consumer recycled paper for all its printers.*
 - *The Information Technology Department participates in an electronics recycling event.*
 - *All employees and County residents are notified about recycling events through a flyer that is provided to the department heads and also posted outside of the Land Use Department office suite.*
- *Other recycling efforts:*
 - *Ewaste recycling twice a year for residents.*
 - *Batteries and bulb recycling.*

- Tire Event (industrial sponsorship – Lyondell Basell)
- Toy and book drive
- Paint recycling event
- Shredding events twice a year

G. Provide any other pertinent details on the recycling program:

Department received a grant from IEPA for the purchase of ewaste event permanent signs. Grant from Republic Services for the purchase of battery buckets for two libraries, City of Morris, and our administration building. Cooperation from communities was given to advertise and endorse recycling events for the department.

VI. New Recommendations and Implementation Schedule

The Solid Waste Office will implement new programs and continue successful past programs within the next five years. Modifications have been made to past events and programs to better serve the residents and businesses in the County.

The following is a list of all of the programs the Solid Waste Office plans to implement in the final five years of the 20 Year Solid Waste Plan.

The programs and events are organized in the order that promote:

- Source reduction
- The 4Rs
- Waste disposal
- New technology for waste to energy systems

VII. Summary:

In order to accomplish the tasks that are included in the existing and future programs for the next five years of the Solid Waste Plan, the following steps must be taken to ensure the programs success:

Enforcement:

- Increased effort to find areas within the county where residents are in violation of the current ordinance especially for multiple residential units.
- Inform municipalities about the enforcement requirements and to work cooperatively with the municipalities to enforce these requirements. Help those communities by providing an example of language and also by reviewing their text.

Municipality Cooperative Efforts:

- Consideration of a county wide waste hauler that will provide the county both incorporated and unincorporated areas waste and recycling disposal. The waste hauler would provide fees to the county to maintain and enhance the Solid Waste program.
- Continue to work with the municipalities to develop new events including their residents.

Staffing:

- The Land Use Department would need to in the future in funds are available to hire a part time educator to help in the educational needs of the schools.
- Support to provide tours for children at the local wind and solar farms.
- Help from the GEDC, County Board Chairman, and the Land Use Committee members to entice Illinois compost companies to develop properties in Grundy County.

GLOSSARY OF TERMS

Compost – Humus like product of the process of composting waste which may be used for fertilizing gardens and house plants.

Composting – The biological process by which microorganisms decompose the organic fraction of waste, producing humus like material that may be used as a fertilizer for gardens and house plants.

Construction and demolition debris – As defined in the Illinois Environmental Protection Act: Clean construction or demolition debris means broken concrete without protruding rebar or metal bar, bricks, rock, stone, or uncontaminated dirt or sand generated from construction or demolition activities.

Disposal – The end use of materials that are considered no longer useful to the owner. End location of the materials may be a landfill, recycling facility, or reuse by another user. Alternative methods of waste disposal also may be an incinerator, thermal disposal facility, or composting facility.

Hazardous Waste – As defined by the IEPA: waste or a combination of wastes which because of its quantity, concentration, or physical, chemical or infectious characteristics may cause or significantly contribute to an increase in mortality, or an increase in serious, irreversible, or

incapacitating reversible, illness; or pose a substantial threat or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed, and which has been identified, by characteristics or listing as a hazardous material.

Landscape waste – As defined by the IEPA: Accumulations of grass or shrubbery cuttings, leaves, tree limbs, and other materials accumulated as the result of the care of lawns, shrubbery, vines and trees.

Municipal Waste – As defined by the IEPA: Garbage, general household, institutional and commercial waste, industrial lunchroom or office waste, landscape waste, and construction and demolition debris.

Municipal waste does include:

- a. Abandoned or discarded household or commercial appliances
- b. Abandoned or waste parts from motor vehicles normally removed as a part of regular maintenance.
- c. Construction and demolition debris from buildings and roads
- d. Landscape waste

Municipal waste does not include:

- a. Special waste
- b. Hazardous waste
- c. Tires
- d. Electronic waste
- e. Earth materials moved or removed during demolition or construction
- f. Scrap metal from industrial operations such as machining, lathe work, tool and die operations and the like
- g. Abandoned or scrap motor vehicles
- h. Surplus or donated clothing given to charitable organizations
- i. Surplus or donated food contributed for human consumption
- j. Usable or reusable commodities donated to charitable organizations

Recycling – As defined by the IEPA

Recycling, reclamation or reuses means a method, technique or process designed to remove any contaminant from waste to as to render the waste reusable, or any process by which materials that would otherwise be disposed of or discarded are collected, separated or processed and returned to the economic mainstream in the form of raw materials or products.

This would include but not be limited to the following:

- a. Composting operations
- b. Applying landscaping or other municipal waste directly to ag land at

- agronomic rates
- c. Landscape that is collected, separated or processed and returned to the economic mainstream in the form of raw materials or products
 - d. Shredding operations where the waste is returned to the economic mainstream or replaces other raw materials as fertilizer or erosion control materials.
 - e. Reusing of construction materials for future construction of structures.
 - f. Using waste for commercial feed for such things as livestock farms
 - g. Processing waste at a rendering facility for return to the economic mainstream
 - h. Processing municipal waste such as metals into usable product.
 - i. Processing waste through an alternative method of waste removal.

Recycling Center – As defined by the IEPA:

Recycling center means a facility that accepts only segregated, nonhazardous, nonspecial, homogeneous, nonputrescible materials, such as dry paper, glass, metals, or plastics, and waste that may be reprocessed for use as raw materials.

Recycling rate – As defined by the IEPA:

Municipal waste recycling rate: the percentage derived by dividing the weight of the generated municipal waste that is being recycled (or planned for recycling) by the weight of the municipal waste generated, (or expected to be generated) within the area of concern during the same year. The weight of municipal waste being recycled is: the weighed amount of municipal waste received for recycling minus the weighed amount of materials remaining after processing that is not recyclable.

Source reduction – Any action that avoids the creation of waste by reducing waste at the source, including redesigning of products or packaging so that less material is used; making voluntary or imposed behavioral changes in the use of materials; or increasing durability or re-usability of materials.

Special wastes – As defined by the IEPA

Special wastes mean any industrial process waste, pollution control waste or hazardous waste.

APPENDIX A: Meeting Agendas and Minutes

**Grundy County
Land Use Department
1320 Union Street
Morris, IL 60450
(815) 941-3229
(815) 941-3432 (fax)**



2/15/2019

TO: Chairman Chris Balkema
Solid Waste Update Steering Committee
(SWUSC) – Five Year Update to 15 year Plan

FROM: Heidi H. Miller; Director

RE: Agenda February 26, 2019 - 4:30-5:30 PM

- I. Welcome and Introductions
- II. Overview of the Solid Waste Plan and the Update Process
- III. Election of Chairperson
- IV. Objectives for the SWUSC
 - Remove, add to plan to meet with needs of the County
 - Final Recommendation/Public Hearing
 - Land Use Committee Recommendation
 - County Board Approval
- V. Review of Current Plan – Request Ideas for Changes for March Meeting
- VI. Schedule for Future Meetings
- VII. Adjournment



**Grundy County
Land Use Department
1320 Union Street
Morris, IL 60450
(815) 941-3229
(815) 941-3432 (fax)**

3/1/2019

TO: Chairman Chris Balkema
Solid Waste Update Steering
Committee (SWUSC) – Five Year Update to 15 year Plan

FROM: Heidi H. Miller; Director

RE: February 26, 2019 - 4:30-5:30 PM

I. Welcome and introduction –

Miller welcomed and asked if all of the participants could introduce themselves. The following were in attendance at the meeting:

Chris Balkema – Grundy County Chairman
Frank Barber – Morris resident
Mayor Bob Breisch – Mazon
Eric Dippon – Republic Services
George Gray – Administrator Grundy County
Shane Gilbertson – First American Metals; Morris
Ryan Hansen – Chamlin Engineering; Morris
Arthur Hornsby – Morris resident
Debra Jo Kinsella – Chairwoman Land Use Committee
Gerald and Jean McKinney – Morris residents
Drew Muffler – County Board member
Tim Urbanik – Morris resident
Victoria Wax – Grundy/Kendall Farm Bureau Director
Mayor David Wright – Braceville

II. Overview of the Solid Waste Plan and the Update Process

Miller explained that Illinois State requires that Grundy County have a Solid Waste Plan. Currently there is a 20 Year Plan for Grundy County, but that does need to be updated every five years. Miller furthered that the plan must indicate where the waste stream goes to as far as landfills, and recycling. The plan also institutes goals for the County to achieve in the next five years as far as outreach and implementation of the 4 Rs of recycling, reducing, reusing, and respecting the earth.

Miller explained that the steering committee will make changes and forward the plan to the Land Use Committee and the County Board. The SWUSC will hold one public hearing prior to the Land Use Committee making their recommendation.

Ninety days are required for the plan to be on file prior to the County Board approval. There will be a public hearing for the document.

III. Election of Chairperson –

Miller stated that as the staff liaison she would be assisting the chair of the committee and completing research and making modifications as directed.

Hornsby nominated Mayor Bob Breisch for the position. Second by Muffler. Motion was approved unanimously. Mayor Breisch will be the Chair of the Solid Waste Update Steering Committee.

IV. Objectives for the SWUSC

- Remove, add to plan to meet with needs of the County
- Final Recommendation/Public Hearing
- Land Use Committee Recommendation
- County Board Approval

Chair Breisch asked for any changes to the document.

Urbanik had mentioned that there were concerns over water qualities and asked about the landfill. McKinney added that there have been several years that their water was unusable. Hornsby added that this occurred after the Environtech landfill's liner had issues. Hornsby wanted to know how often the State of Illinois has to test wells within a specific distance from a landfill.

Miller restated that they wanted a goal to be added that we monitor the State to determine that wells are tested in accordance with the law for proximity to landfills.

More discussion took place that there were actually three landfills in the area. Environtech that was compliant, and two other landfills that are within the area that were not designed or regulated according to IEPA regulations.

There were concerns about the initial construction of the Environtech landfill and the liner. Dippon representing Republic Services (Environtech landfill) stated that as they were the liner was intact, when adding a cell they dewater the excavation, the groundwater is what they get rid of, that weekend the pump went out and the hole filled up with water so they could not put the liner in place. He continued that this was before any waste was even brought into the landfill. IEPA checked the issue and it was resolved. Muffler stated that there is issues who owns the landfill and there are no monitoring wells for that.

There was discussion about the monitoring wells for Environtech landfill and if the County receives them and reviews them. Miller stated that the Environmental Health and Land Use Department both receive the well results and the results have been compliant. However, she said, that their office does not receive any results from the two other landfills.

Miller reminded the committee that the plan does require that all state laws be upheld. Miller stated that the plan doesn't investigate the pollution sources but would add that wells for landfills be monitored are we request that information. McKinney stated that the last test done on her well was in 2010. Gray stated that IEPA would be contacted for testing protocol.

V. Review of Current Plan – Request Ideas for Changes for March Meeting

Miller provided a summary of what the current plan has in regard to the goals. Miller stated that the partnerships were important in regard to the goals getting completed since the office is not funded or staffed to handle that workload.

Hornsby asked if the article in the Morris Daily Herald in regard to plastic recycling. He stated that since China isn't taking plastic at this time should that recycling goal be included in the five year plan. Miller said things could change and should be included. Mayor Breisch stated that the recycling cost are going up and that with contracts that is a consideration by villages.

Mayor Breisch suggested that possibly all of the county would share in a recycling cost through taxation. Gilbertson stated that the recycling markets are in such a state that it would take probably ten years for the market to be balanced again. He continued that the US doesn't have the infrastructure to properly recycle the plastic as opposed to other countries. He suggested that the best way to deal with it is to reduce consumerism.

Gray mentioned that any future recycling resources be included, and to reduce based on consumerism be strongly mentioned in the plan. Including more educational components and there were great opportunities through some fairs that has helped. Plastic recycling is a huge issue and reducing the amount of packaging and purchasing.

Tire recycling was discussed with a suggestion for Miller to find out, where the recycling charge is managed with the State of Illinois.

Muffler asked what percentage of goals were attainable and which were not completed, while considering what the current ideas area. He stated that it should be realistic to what may be achieved based on funds that may be obtained.

There was more discussion on a county wide waste hauler and the difficulties that could happen. Gray stated as a Village Administrator in the past that it was difficult for municipalities to complete waste hauler contracts. Muffler thought that a county wide waste hauler would be a good idea but wondered how feasible that would be.

Miller summarized points that were made during the meeting that needed to be investigated and brought back to the committee:

- IEPA requirement for testing wells within 1.5 miles from a landfill.
- Lyondell Basell response to the article on the Plastic Consortium and what they were going to do.
- Tire recycling surcharge and what state fund does that go to and can Grundy receive that money.
- Goals for the County out of the plan which were attained, which were not and why not.
- Newspapers/radio/Farm Bureau education basis fifth grade education on how to properly reduce and recycle the 4 pounds of waste each resident does produce.

VI. Schedule for Future Meetings

Miller pointed out that included in their packets was a listing of all of the scheduled meetings for this year.

VII. Adjournment –

Hornsby motioned to adjourn, seconded by Urbanik. Motion passed.

Meeting adjourned at 5:45pm.

SWUSC

2-25-19

Solid Waste Update Steering Comm. Meeting

SWUSC Printed Name	Email	Address	Phone number
FRANK BARBER		2475 CONLEY RD MORRIS	815-942-6324
ARTHUR HORNSAY		815 E CHAPIN ST MORRIS	AK HORNSAY@ESBC.IGORIAN.NET 815-942-6324
ERIC DIPPON		Environmentech hand LLC	847-507-3123
Jean McInnney		6975 Gun Club Rd, MORRIS	815 942 5185
GERALD MCKINNEY TIMOTHY M URBANIK	TMURBANIK@ GMAIL.COM	6975 GUN CLUB RD MORRIS IL	815 942 5185 (CELL) 815-302-3709
SHANE GILBERTSON RYAN HANSEN		11000 S. GONNARD RD. Verona, IL	708-856-4538
		326 W. DANAEE D WIGHT, IL	841-954-9024

SWUSC Printed Name	Email	Address	Phone number
Bob Breisch	robertbreisch@global.net	701 East St. Mazon, IL 60444	815-448-2236
Debra Jo Kinella	dkinella@grundco.org	208 Deerpath Dr. Minook IL 60447	815-370-9331
Dina Muffer	dmuffer@grundco.org	316 E North St Morris IL 60450	815 693 6614
Victoria Wex	manager@kendallgrundlyfb.com	4000 N Division Morris IL 60450	815-943-6400
Wright David Wright	mayor.braceville@mediacombb.net	206 W. Main St. Braceville IL 60407 Box 303	815-450-5552

**Grundy County
Administration Building
Land Use Department
1320 Union Street
Morris, IL 60450
(815) 941-3229
(815) 941-3432 (fax)**



2/19/2019

TO: Solid Waste Update Steering Committee
FROM: Heidi H. Miller; Director
RE: SWUSC 2019

For our first few meetings, some things to consider in the changes in our Solid Waste update is what minimum items the State of Illinois wants to be included in all solid waste plans.

Solid Waste plans are to include provisions to achieve the objectives that are set forth in both 415 ILCS 10/1 Local Solid Waste Disposal Act and 415 ILCS 15/ Solid Waste Planning and Recycling Act.

Some of those ideals include the following:

- 1) A description of the origin, content and weight or volume of municipal solid waste (MSW) currently generated within the unit of local government's boundaries. An estimate of the amount of MSW that will be produced in the next 20 years or by 2034.
- 2) Municipal programs for recycling, landscape composting and education to the residents to properly recycle according to waste contracts.
- 3) A description of the facilities and programs that are proposed for the management of MSW within the next 5 years.
- 4) Active search for solid waste to energy interests for Grundy County and how we may achieve this.
- 5) An evaluation of the current waste management disposal in the County and what the needs are of the County at this five year update.
- 6) Waste reduction and recycling programs that are feasible for the County and what potential programs may be completed jointly with municipalities including a time frame to accomplish these programs.
- 7) Composting education through the County with municipal support.

There are other goals that the County would be able to achieve with joint support from municipal and industry partners such as:

- 1) Recycling values from industrial and commercial users for the overall recycling that takes place within the County.
- 2) Outreach to schools, hospitals, restaurants, and other commercial/industrial users in the County to consider a more active role in recycling or reuse of resources.

As you review the 20 Year Plan, please consider these ideals and others that may be achieved.

We thank you for your work in updating this plan and look forward to hearing your ideas.

Solid Waste Update Steering Committee Meeting Schedule for 2019

Location: 1320 Union Street

Morris, IL 60450

Grundy County Administration Building; Conference Room One and Two

Time: 4:30 PM – 5:30 PM

Tuesday Meeting Dates:

February 26

March 26

April 23

May 28

June 25 (Place on File with County Board – June 26 Land Use Committee)

July 9 – County Board Placed on File for 90 day Comment Period

July 23

August 27 Final Meeting

Recommendation and Approvals: Public Hearing – September 2019

Land Use Committee – September 25, 2019

County Board Approval – October 8, 2019

**Grundy County
Administration Building
Land Use Department
1320 Union Street
Morris, IL 60450
(815) 941-3229
(815) 941-3432 (fax)**



2/19/2019

TO: Solid Waste Update Steering Committee
FROM: Heidi H. Miller; Director
RE: SWUSC 2019

For our first few meetings, some things to consider in the changes in our Solid Waste update is what minimum items the State of Illinois wants to be included in all solid waste plans.

Solid Waste plans are to include provisions to achieve the objectives that are set forth in both 415 ILCS 10/1 Local Solid Waste Disposal Act and 415 ILCS 15/ Solid Waste Planning and Recycling Act.

Some of those ideals include the following:

- 1) A description of the origin, content and weight or volume of municipal solid waste (MSW) currently generated within the unit of local government's boundaries. An estimate of the amount of MSW that will be produced in the next 20 years or by 2034.
- 2) Municipal programs for recycling, landscape composting and education to the residents to properly recycle according to waste contracts.
- 3) A description of the facilities and programs that are proposed for the management of MSW within the next 5 years.
- 4) Active search for solid waste to energy interests for Grundy County and how we may achieve this.
- 5) An evaluation of the current waste management disposal in the County and what the needs are of the County at this five year update.
- 6) Waste reduction and recycling programs that are feasible for the County and what potential programs may be completed jointly with municipalities including a time frame to accomplish these programs.
- 7) Composting education through the County with municipal support.

There are other goals that the County would be able to achieve with joint support from municipal and industry partners such as:

- 1) Recycling values from industrial and commercial users for the overall recycling that takes place within the County.
- 2) Outreach to schools, hospitals, restaurants, and other commercial/industrial users in the County to consider a more active role in recycling or reuse of resources.

As you review the 20 Year Plan, please consider these ideals and others that may be achieved.

We thank you for your work in updating this plan and look forward to hearing your ideas.

Solid Waste Update Steering Committee Meeting Schedule for 2019

Location: 1320 Union Street

Morris, IL 60450

Grundy County Administration Building; Conference Room One and Two

Time: 4:30 PM – 5:30 PM

Tuesday Meeting Dates:

February 26

March 26

April 23

May 28

June 25 (Place on File with County Board – June 26 Land Use Committee)

July 9 – County Board Placed on File for 90 day Comment Period

July 23

August 27 Final Meeting

Recommendation and Approvals: Public Hearing – September 2019

Land Use Committee – September 25, 2019

County Board Approval – October 8, 2019



**Grundy County
Land Use Department
1320 Union Street
Morris, IL 60450
(815) 941-3229
(815) 941-3432 (fax)**

3/1/2019

TO: Chair Bob Breisch
Solid Waste Update Steering Committee (SWUSC) – Five Year
Update to 15 year Plan

FROM: Heidi H. Miller; Director

RE: March 26th 2019 Meeting - 4:30-5:30 PM

- I. Attendance sheet
- II. Approval of Minutes from February 26, 2019 Meeting
- III. Objectives of the Solid Waste Plan
- IV. Review of Goals
- V. Potential Changes
- VI. New and Old Business
- VII. Adjournment

Solid Waste Update Steering Committee (SWUSC)		Date: 3/26/2019
Member	Initial	
Frank Barber	FB	
Mayor Bob Breisch		
Eric Dippon	ED	
George Gray	GG	
Shane Gilbertson		
Ryan Hansen		
Arthur Hornsby	AH	
Debra Jo Kinsella	DJK	
Gerald McKinney	G.M.	
Jean McKinney	JM	
Drew Muffler	DM	
Tim Urbanik	TU	
Victoria Wax	VW	
Mayor David Wright	DW	
Frank Hillegonds		



**Grundy County
Land Use Department
1320 Union Street
Morris, IL 60450
(815) 941-3229
(815) 941-3432 (fax)**

3/27/2019

TO: Chairman Chris Balkema
Solid Waste Update Steering
Committee (SWUSC) – Five Year Update to 15 year Plan

FROM: Heidi H. Miller, Director

RE: March 26th 2019 Meeting - 4:30-5:30 PM

- I. Attendance sheet – Meeting began at 4:30 PM and was streamed live.

Frank Barber – Morris resident
Eric Dippon – Republic Services
George Gray – Administrator Grundy County
Frank Hillegonds – Homewood Disposal Service
Arthur Hornsby – Morris resident
Debra Jo Kinsella – Chairwoman Land Use Committee
Gerald and Jean McKinney – Morris residents
Drew Muffler – County Board member
Tim Urbanik – Morris resident
Victoria Wax – Grundy/Kendall Farm Bureau Director

- II. Approval of Minutes from February 26, 2019 Meeting

Deb Jo Kinsella motioned, Art Hornsby seconded. Motion passed.

- III. Objectives of the Solid Waste Plan

Miller stated that as we continue with the meetings and the updating of the 20 year plan that we keep in mind what the goals are for the Solid Waste Plan.

She continued that the plan basically states how the waste stream from the county is approached, what the recycling percentage is, and what the goals are for the county to provide events, and outreach to the community to improve the recycling goals.

The goals are the main body of the plan and should all be achievable.

Muffler added that since the office based on budgetary issues for the County, was reduced such that the office lost 1.5 positions out of the Environmental and Resource Conservation office and budget funds.

Miller segued that the goals from five years ago were not all achieved or attempted based on that issue. Therefore, she asked that the committee consider

that factor and reduce the goals and only allow realistic goals to remain within the plan. Miller stated that it would be good at this time to move into the next agenda item regarding the goals.

IV. Review of Goals

Muffler start the conversation by stating that he wanted the group to consider achievable goals.

Miller went through 2014-1 and stated that now that the Ag in the classroom would be able to add the educational components to their program, that this would make it more feasible. It was also brought up from Kinsella that it may be possible to bring back the EARTH Expo to help outreach not only to the public but to the other businesses that present a booth at the expo.

Wax mentioned that besides the Ag in the classroom program that the Farm Bureau completes other activities that may allow for ERCO to get involved in during the year that would provide outreach to preschool through 7th grade.

Committee discussed the second goal 2014-2 which addresses churches and businesses and how to educate them or assist them in recycling at their facilities. This goal was not completed by the office.

There was discussion on how some commercial users in the county are recycling and how we need to include those numbers in our totals. At present the recycling rate is only determined by the tonnage that is reported by the waste haulers. Suggestion was added by Gray that Chamber of Commerce Events could be helpful with luncheons to discuss commercial and industrial recycling efforts.

Many members of the committee stated ideas such as our tire, electronic waste, and shredded paper events. Concern was expressed that hazardous materials were making into the landfills, and that education was needed to tell people where it should be taken. Miller stated that the Green Guide helps people to get materials to the correct location for disposal and recycling.

Hillegonds from Home Disposal Services stated that education was needed for residents to recycle specific items and not all items. He continued by explaining that the equipment and machines for recycling centers are down based on plastic bags or wires such as Christmas lights. Hillegonds said he would be happy to assist the County with education. Hornsby suggested that uniform instructions be placed on the bins.

Muffler stated that the two goals should be combined as they are both based on education to the groups.

Muffler included that the committee should be prepared for the April meeting to get more completed on the goals by either retaining or removing goals on realistic accomplishment.

V. Potential Changes

VI. New and Old Business

VII. Adjournment – Hornsby motioned to adjourn, Urbanik seconded. Motion passed.

Meeting concluded at 5:30 PM.



**Grundy County
Administration Building
Land Use Department
1320 Union Street
Morris, IL 60450
(815) 941-3229
(815) 941-3432 (fax)**

3/15/2019

TO: Chair Bob Breisch
SWUSC Members

FROM: Heidi H. Miller

RE: Goals for the Solid Waste Plan

The future goals for the plan are based on the five basic objectives:

- 1) Source Reduction
- 2) Recycling and Reuse
- 3) Monitor Environtech Landfill
- 4) Alternative System to Waste Management
- 5) Energy Efficiency for County and Municipal Buildings

Page 16 includes the goals that was intended for the last five years. Below is a list of the listed with a description following that highlights whether the goal was met, is being continued, or was not achieved and why.

Combo. 2014-1 Continued Education in the Schools – Has been slow as teachers are not requesting assistance but will take the promotional gifts during different times of the year. – *Farm Bureau Ag in the classroom assistance may allow for education to be brought into the classroom again. Com Ed facilities white goods.*

2014-2 Provide Churches and Business – Have not been able to have a good outreach group for either group. Do connect with church in Mazon during the toy drive. *Earth Expo.*

2014-3 Variable Fee Rate for Waste Haulers - Not necessary since we are not pursuing the county wide waste hauler goal.

2014-4 Seek New Alternatives Waste – Ongoing. Open to listening to new developments. Will complete research and ask if companies would be interested in investing into Grundy County for complete waste diversion.

2014-5 Compost/Vermicomposting Education – Ongoing with schools, and selling composters to adults.

2014-6 Compostable Biodegradable packaging – Have not achieved based on staffing and funds. *Potential information may be provided through the restaurant licensing with*

the Environmental Health Department.

2014-7 Waste Audit for Commercial/Industrial – Have not been able to achieve goal based on lack of staffing.

2014-8 Events Proper Disposal – Not achieved without staff or community support. *Waste haulers may provide some assistance with this for the municipal and unincorporated users.*

2014-9 Assist Schools with their recycling programs – This did not occur based on lack of interest and lack of staff to support the effort.

2014-10 Upgrading the Green Guide – This is a continuous process in which each year there are additions and all information is checked for accuracy.

2014-11 Educate Adults – Public events such as the EARTH Expo are no longer in existence making it difficult to interface with adults. Green Guide has live links to also help educate adults in the 4Rs.

2014-12 Increase awareness about recycling at other County Buildings – This goal has been met as other buildings are recycling or have been given resources to do so.

2014-13 Work with municipalities with their recycling programs – This was not achieved based on feasibility and staffing.

2014-14 Support Construction Debris Information for Building Permits – This program will be added to the building permits for our department and is included within the Green Guide for 2019.

2014-15 Develop methods and procedures for developing accurate recycling rates – This program was not advanced. *Potentially the Chamber of Commerce would allow for a presentation that would allow for outreach on sharing this information. Research on businesses and industrial users in Grundy County will help to develop the needed partnership to share in that information that gives us better accuracy on our recycling rate.*

2014-16 Provide web information, Green Guide, and brochures for composting and vermicomposting – Have provided information on both the web and the green guide for adults and children to promote this practice.

2014-17 Work with public works, and landscapers to determine the landscape waste in Grundy and if a compost facility would be possible – This was a goal with a long range that was not achieved based on lack of staffing. *It is possible with the cooperation and partnerships with the cities that this may be achieved.*

2014-18 Work with the waste haulers toward cooperative education for the County – This was not achieved. *A partnership if achieved would accomplish this and goal 2014-8.*

2014-19 Encourage employees of County to recycle through incentive program – This program was not started. *This would be a good program to begin with the aid of the administrator and the human resource director.*

2014-20 Conduct Waste Hauler meetings – This didn't occur as the waste haulers did not feel the need to meet. This goal was necessary when the department was the lead agency in the road postings for the freeze thaw issues.

2014-21 Earth Day and American Recycles Day Events – This program will continue with the schools and the general public.

2014-22 No new landfills or expansion of landfills in Grundy – This goal has been met and there has been no interest forwarded to our department in regard to the development of a new landfill.

2014-23 possible development of a compost facility – This goal was not achieved or started. *With a connection with the landscape companies and the waste haulers it is possible to bring some interest to this goal and also 2014-17.*

2014-24 Monitor closing of Environtech and test results following – The landfill has been officially closed for some years and we were informed of the IEPA permits to do so. We have received and will continue to receive NPDES permit information and well monitoring testing.

2014-25 Conference information regarding alternative waste to energy education - This goal has been achieved. There has not been industrial users interested in Grundy County at this time.

2014-26 continue to work with the Soil and Water Goose Lake Conservation Days – This will continue and is very successful way of teaching water conservation at that station.

2014-27 International Walk to School Day – This was achieved with the previous technician with the Farm Bureau as the activity is still being completed.

2014-28 Clean Air Counts Program – Information was provided to the Superintendents and the principals of the Grundy County Schools. Will continue to do so as information becomes available to our office.

2014-29 Green Products Brochure – The green product line is advertised in the Green Guide and also is included in the newspaper as part of the Community Pulse.

2014-30 Earth Flag Program – This was a program that was intended to be completed by the previous Technician. Once that position was dissolved based on budget constraints, we no longer pursued this program based on lack of time.

2014-31 Green LEED building introduction through the adoption of the ICC Green Code - The Green Code published by the ICC was adopted by Grundy County. What was not completed was an incentive program for those who choose to construct using features from this code book. The general contractors and homeowners have not expressed interest.

2014-32 Work cooperatively with the local environmental agencies – This has been accomplished as we have worked with the Soil and Water Conservation District, the Claypool and Maine drainage districts (LOMR work), IDNR, and the Army Corps of

Engineer on environmental issues and education.

2014-33 Education on biking to work or walking – This was not accomplished as the program was a combined effort between the Farm Bureau and the Technician. Time allowance did not allow it to continue.

2014-34 Work with municipalities with bike path programs – Have sent grant information to municipal mayors and managers as information has been received by this office.

2014-35 Work with Grundy County Transit for more users – This was not necessary as the Transit office has been extremely successful with the user numbers.

2014-36 Work with States of partnership with Goose Lake Prairie for Education – This has been requested through the IDNR. My understanding is that in our area IDNR does not have educational programs at this point. It may be better to see if there are some potential to work with the managers of the nature center of the Goose Lake Prairie instead.

2014-37 Work with local plastic recycler for tours for students – The local plastic recycler has been cooperative with one recycle day event. We have not had communication since that point.

2014-38 Advocate for energy audits for Grundy County Buildings – This information was passed to the administrators. The Administration building has completed an energy audit and has had through a grant, been updated with energy saving electrical lighting devices through a grant. The Director of Maintenance for our building is currently looking for grant money that will allow for exterior lights that were not covered under the initial grant.

2014-39 Expand education of natural gas powered vehicles/fleet cars – Education to the Grundy County administrator was completed. The general public education was not. Electric car education and charging stations were endorsed and grant program information was provided to the mayors/managers of Grundy County.

2014-40 Provide avenue for business owners to have energy audit – This was not completed. However, a business listing and sending grant information or programs is something that would easily be completed to aid in their accomplishing this goal if they so choose to.

2014-41 Connect campus buildings for distribution of electrical energy – Not completed.

2014-42 Investigate potential waste conversion systems to non-potable water users for consumers – This information was provided in some articles to the public and also discussed with students at the Conservation Days at Goose Lake Prairie.

2014-43 Provide education resources for energy/resource usage – This was included in the Green Guide and through education provided in the Community Pulse of the Morris Daily newspaper.

2014-44 Encourage sustainability for municipalities – Has not been completed. With existing structures, retro fits of solar panels (especially on the flat roofs) would be beneficial as an energy source. New position for the county may be able to aid in the

finding and administration of grants to aid in this project.

2014-45 Zero Energy Home education provided to residents – This has been provided to the residents through information provided at the Family Wellness Fair, and also through newspaper articles. Potential Green Code building incentive program may promulgate this information to the homeowners.

2014-46 Alternative power generation options for schools – Had sent information on grants for wind power to superintendents and principals of the schools in Grundy County. Will continue to be the conduit of information to the Grundy schools.

2014-47 Transit buses on Natural Gas as fuel source – Transit Director has already completed this task through a grant through the state.

2014-48 Water harvesting teach schools – This was only completed through the Conservation Days at Goose Lake Prairie. Wasn't brought into the class rooms.

2014-49 Meds and sharp disposal promotion – This information is included in the Green Guide for all residents to use. As information on state legislation changes, this is sent to our coroner's office for their use.

Summary: A lot of these goals have been accomplished, are continuing, or have options to be completed, I look forward to listening to your suggestions on which goals should continue and which should be deleted from the plan.

Thank you for your time.

:SWGoals2014 March 2019



Below are common items you CAN recycle



Place in red bin for paper



Shoebboxes



Cracker, cereal, & other paperboard



Dry or frozen food boxes



Note paper, paper backed books, greeting cards & copy paper



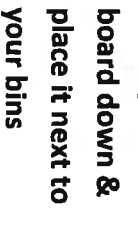
Empty tissue box



Newspaper



Junk mail



Break your cardboard down & place it next to your bins



All those magazines

Empty toilet paper & paper towel rolls

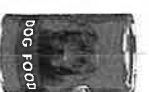
Place in red bin for plastic & metal



Shampoo & conditioner, lotion bottles & empty aerosol cans.



Laundry & kitchen soap bottles



Drink boxes & cartons



Aluminum & steel cans, (please rinse first)

Butter tubs & yogurt cups



Milk, water & wine bottles, plastic caps & metal lids

Rinsed glass jars

Plastic food trays



Foil wrap and trays



All plastics with the symbol numbered 1, 2, 3, 4, 5 & 7 and that fit in the recycling bin (NO Styrofoam®/Polystyrene number 6 materials)

Please turn the page to see items that

not recycling and belong in the garbage.



Below are some common items you CANNOT recycle.

Please place these items in your garbage. Thank you!



A. Styrofoam to-go containers

F. Styrofoam peanuts

K. Plastic bags

B. Styrofoam egg cartons

G. Pots and Pans

L. Plastic furniture

C. Styrofoam cups

H. Any type of plastic toys

M. Garden hose

D. Styrofoam plates

I. All types of dinnerware/plates

N. Storage bags

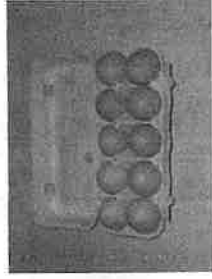
E. Glassware/stemware

J. All coat hangers

O. Delivered pizza boxes



A



B



C



D



E



F



G



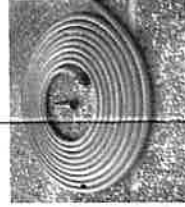
H



I



J



K



L



M

N

O

For additional questions, please contact the Public Works Department @

941-486-2422

Thank you for our help and support!

**Grundy County
Land Use Department
1320 Union Street
Morris, IL 60450
(815) 941-3229
(815) 941-3432 (fax)**



4/16/2019

TO: Chair Bob Breisch
Solid Waste Update Steering Committee (SWUSC) – Five Year
Update to 15 year Plan

FROM: Heidi H. Miller; Director

RE: April 23, 2019 Meeting - 4:30-5:30 PM

- I. Attendance sheet
- 4821 II. Approval of Minutes from March 26, 2019 Meeting
- 54820 III. Suggested Changes to the Goals
- IV. New and Old Business
- VII. Adjournment



**Grundy County
Land Use Department
1320 Union Street
Morris, IL 60450
(815) 941-3229
(815) 941-3432 (fax)**

4/24/2019

TO: Chairman Chris Balkema
Solid Waste Update Steering Committee (SWUSC) – Five Year Update to 15
year Plan

FROM: Heidi H. Miller; Director

RE: April 23, 2019 Meeting - 4:30-5:30 PM

I. Attendance sheet –

Mayor Bob Breisch – Mazon
Eric Dippon – Republic Services
George Gray – Administrator Grundy County
Arthur Hornsby – Morris resident
Debra Jo Kinsella – Chairwoman Land Use Committee
Drew Muffler – County Board member
Victoria Wax – Grundy/Kendall Farm Bureau Director
Mayor David Wright – Braceville
Mayor Dick Kopczick – City of Morris
James Pozzi – Republic Services
Frank Hillegonds – Homewood Disposal Services (phone access)

II. Approval of Minutes from the March 26, 2019 Meeting

Chairman Breisch if there were any changes or modifications needed for the minutes.
There were no comments.

Chairman Breisch asked for a motion.

Motion made by Kinsella, seconded Hornsby. Motion passed.

III. Suggested Changes to the Goals –

Miller explained that Muffler, Gray, and she had met to go over the goals to see which goals were attainable based on budget and staffing. They provided those modified goals to Kinsella to ensure that this was a Grundy position. Kinsella was in agreement with the changes made.

Miller explained the changes made and why to the committee.

Comments were made during the explanation and also following. Hillegonds stated that if it is the intention to have a township wide waste hauler that a referendum would need to be passed and that Lisle, DuPage and Lockport townships have done

so. Muffler asked what the billing method would be for the garbage/recycling charges. The discussion was how that would be placed on the tax bill, how the States Attorney would assist in the process, and that education during potentially a year and a half would need to be completed. Hillegonds stated that in Lockport Township the residents cost went from \$60.00 to \$21.00 and they have 100% recycling instead of the 20-30% that they had before. Mayor Kopczick stated that he thought it may be based on a population base. Muffler stated that he felt it would be an attainable goal and that we should actively pursue it. Hillegonds stated that it took approximately a year and a half for the issue to be added to the Lockport Township referendum for a November vote.

Muffler felt that all goals that are put into the plan are also things that the committee and the County Board should do in their own homes before expecting the general public to complete them.

Discussion continued in regard to education of the adults in regard to the proper way of recycling. Republic and Homewood Disposal provided assistance by stating that they had videos and links that may be attached to our webpage for the residents. The importance besides of course proper materials being recycled, Pozzi stated, was the cleanliness of those materials such that the loads that are recycled are profitable for the waste hauler and that they are not back charged for a dirty load. Miller stated that she would look into that for their website.

Building material recycling is important and Miller stated that Construction and Debris recycling companies were listed in the Green Guide and would also be added to each building permit application for the general contractors. Mayor Kopczick stated that it would also be good to provide that to the municipal Building and Zoning Officials as well.

Compost facilities were considered for the county and how that would be a great asset since the amount of food scrap waste is approximately 25% of the landfill waste. The new techniques make the food composting odor free and also would be a source of revenue for the farmer as the compost is wonderful for gardens and plants. Kinsella suggested that the current compost facilities be given as a resource to the residents for the delivery of their landscape waste as well.

IV. New and Old Business

Miller stated that she was called by an official at the IEPA in regard to well testing within a specific distance of a landfill. Even though Miller had discussed this program and was told that it was discontinued based on lack of funds, this resource said that if a resident within a half a mile of a landfill wants the test completed, IEPA would do so.

V. Adjournment

Chair Breisch requested a motion to adjourn.

Hornsby motioned, Kinsella seconded. Motion passed.

Meeting concluded at 5:20 PM.

Solid Waste Update Steering Committee (SWUSC)		Date: 4/23/19
Member	Initial	
Frank Barber		
Mayor Bob Breisch	RB	
Eric Dippon		
George Gray	GG	
Shane Gilbertson		
Ryan Hansen		
Arthur Hornsby	AH	
Debra Jo Kinsella	DJK	
Gerald McKinney		
Jean McKinney		
Drew Muffler		
Tim Urbanik		
Victoria Wax		
Mayor David Wright	DW	

James Porzi
 Frank Hillegonds on telephone
 Dick Kopczick City of Morris

R.L.R.

**Grundy County
Administration Building
Land Use Department
1320 Union Street
Morris, IL 60450
(815) 941-3229
(815) 941-3432 (fax)**



4/2/2019

TO: SWUSC

FROM: Heidi H. Miller

RE: Suggested Changes for the Goals for the Solid Waste Plan

The future goals for the plan are based on the five basic objectives:

- 1) Source Reduction
- 2) Recycling and Reuse
- 3) Monitor Environtech Landfill
- 4) Alternative System to Waste Management
- 5) Energy Efficiency for County and Municipal Buildings

We, Drew/Deb Jo/George/myself, have reviewed the goals and made changes to them based on achievability, staffing and budget allowances. By doing so, this should help the committee to continue their work in a timely fashion to finish this document by September with the County Board.

The following are those changes:

2014-1 Continued Education in the Schools –Education goals will be combined under this point. All children's education will be a supplement to what the Farm Bureau completes under the Ag in the Classroom throughout the school year.

2014-2 Provide Churches and Business – Remove

2014-3 Consolidate the Waste Hauling in County – Township: Consider working with the townships to see if there would be some interest in consolidation such that townships would have one hauler.

2014-4 Seek New Alternatives Waste – Ongoing.

2014-5 Compost/Vermicomposting Education – Ongoing with schools, and selling composters to adults.

2014-6 Compostable Biodegradable packaging – Work with Environmental Health Department to include a flyer of information for these products.

2014-7 Waste Audit for Commercial/Industrial – Have not been able to achieve goal based on lack of staffing.

2014-8 Events Proper Disposal –Consider working to obtain a permanent site for either Ewaste alone or a transfer station (Environtech possibly).

2014-9 Assist Schools with their recycling programs – This did not occur based on lack of interest and lack of staff to support the effort.

2014-10 Upgrading the Green Guide – Ongoing.

2014-11 Educate Adults – Public events such as the EARTH Expo are no longer in existence making it difficult to interface with adults. Green Guide has live links to also help educate adults in the 4Rs.

2014-12 Increase awareness about recycling at other County Buildings – This needs to be checked to ensure that all campus buildings are recycling and providing all of the employees the ability to do so.

2014-13 Work with municipalities with their recycling programs – This was not achieved based on feasibility and staffing.

2014-14 Support Construction Debris Information for Building Permits – An informational sheet will be included with all building permits for commercial/industrial/single family homes that will list and encourage recycling of those materials. It is also included within the Green Guide for 2019.

2014-15 Develop methods and procedures for developing accurate recycling rates – *Potentially the Chamber of Commerce would allow for a presentation that would allow for outreach on sharing this information. Research on businesses and industrial users in Grundy County will help to develop the needed partnership to share in that information that gives us better accuracy on our recycling rate.* All recycling weights that we receive for the items that are recycled via events through our office will be listed as they currently are to the Land Use Committee for end year reports.

2014-16 Provide web information, Green Guide, and brochures for composting and vermicomposting – Have provided information on both the web and the green guide for adults and children to promote this practice.

2014-17 Work with public works, and landscapers to determine the landscape waste in Grundy and if a compost facility would be possible –It would be good to determine the municipal contracts for landscape waste, leaf suckers and chippers. Effort should be afforded to attract a compost company to consider development within Grundy County.

2014-18 Work with the waste haulers toward cooperative education for the County – This was not achieved. *A partnership if achieved would accomplish this and goal 2014-8.*

2014-19 Encourage employees of County to recycle through incentive program – It was suggested to find out the options (2014-12) and also to provide clear labeling on what items may be recycled in each bin.

~~2014-20 Conduct Waste Hauler meetings~~ – This didn't occur as the waste haulers did not feel the need to meet. This goal was necessary when the department was the lead agency in the road postings for the freeze thaw issues.

2014-21 Earth Day and American Recycles Day Events – Provide promotional gifts to the public during these events.

2014-22 No new landfills or expansion of landfills in Grundy – Keep.

~~2014-23 possible development of a compost facility~~ – This goal was not achieved or started. *With a connection with the landscape companies and the waste haulers it is possible to bring some interest to this goal and also 2014-17.*

2014-24 Monitor closing of Environtech and test results following – Keep this is an ongoing goal for the department.

2014-25 Alternative waste to energy/product: - Work with the GEDC to aid in the potential of bringing this type of facility to Grundy County to take all waste from this county and recycle and gasify the rest.

2014-26 continue to work with the Soil and Water Goose Lake Conservation Days – Ongoing.

~~2014-27 International Walk to School Day~~ – This was achieved with the previous technician with the Farm Bureau as the activity is still being completed.

2014-28 Clean Air Counts Program – Information was provided to the Superintendents and the principals of the Grundy County Schools. Will continue to do so as information becomes available to our office.

2014-29 Green Products Brochure – The green product line is advertised in the Green Guide and also is included in the newspaper as part of the Community Pulse.

~~2014-30 Earth Flag Program~~ – This was a program that was intended to be completed by the previous Technician. Once that position was dissolved based on budget constraints, we no longer pursued this program based on lack of time.

2014-31 Green LEED building introduction through the adoption of the ICC Green Code – The Green Code published by the ICC was adopted by Grundy County. In order to provide interest in LEED or Green Home provisions, there needs to be incentives. Incentives to consider is the reduction of the cost of the permit.

2014-32 Work cooperatively with the local environmental agencies – Ongoing. This has been accomplished as we have worked with the Soil and Water Conservation District, the Claypool and Maine drainage districts (LOMR work), IDNR, and the Army Corps of Engineer on environmental issues and education.

~~2014-33 Education on biking to work or walking~~ – This was not accomplished as the program was a combined effort between the Farm Bureau and the Technician. Time allowance did not allow it to continue.

~~2014-34 Work with municipalities with bike path programs — Have sent grant information to municipal mayors and managers as information has been received by this office.~~

~~2014-35 Work with Grundy County Transit for more users — This was not necessary as the Transit office has been extremely successful with the user numbers.~~

2014-35 Educate the general public car share: Work with larger industrial and commercial users and ask for their assistance in the education of their employees to car share or ride share.

~~2014-36 Work with States of partnership with Goose Lake Prairie for Education — This has been requested through the IDNR. My understanding is that in our area IDNR does not have educational programs at this point. It may be better to see if there are some potential to work with the managers of the nature center of the Goose Lake Prairie instead.~~

~~2014-37 Work with local plastic recycler for tours for students — The local plastic recycler has been cooperative with one recycle day event. We have not had communication since that point.~~

2014-38 Advocate for energy audits for Grundy County Buildings — Work with county staff and maintenance directors to see what provisions may be added to the buildings to promote energy savings such as motion detectors for lights etc may be added to the buildings. Grants may be possible.

2014-39 Expand education of alternative fuel fleet vehicles: — Check into the possibilities of fleet vehicles for the county that are alternate fuel. Potential grants may also be applied for this.

~~2014-40 Provide avenue for business owners to have energy audit — This was not completed. However, a business listing and sending grant information or programs is something that would easily be completed to aid in their accomplishing this goal if they so choose to.~~

~~2014-41 Connect campus buildings for distribution of electrical energy — Not completed.~~

2014-42 Investigate potential waste conversion systems to non-potable water users for consumers — Include this information with the Green Guide and also continue to teach this information during the Conservation Days at Goose Lake Prairie.

2014-43 Provide education resources for energy/resource usage — This was included in the Green Guide and through education provided in the Community Pulse of the Morris Daily newspaper. This is also combined with the Farm Bureau education to the students of the County.

~~2014-44 Encourage sustainability for municipalities — Has not been completed. With existing structures, retro-fits of solar panels (especially on the flat roofs) would be beneficial as an energy source. New position for the county may be able to aid in the finding and administration of grants to aid in this project.~~

2014-45 Zero Energy Home education provided to residents — This has been provided to

the residents through information provided at the Family Wellness Fair, and also through newspaper articles. Potential Green Code building incentive program may promulgate this information to the homeowners.

2014-46 Alternative power generation options for schools – Had sent information on grants for wind power to superintendents and principals of the schools in Grundy County. Will continue to be the conduit of information to the Grundy schools.

~~2014-47 Transit buses on Natural Gas as fuel source~~ – Transit Director has already completed this task through a grant through the state.

2014-48 Water harvesting teach schools – Ongoing education as this is completed via the Conservation Days at Goose Lake Prairie. Could be added to the Farm Bureau education as well.

~~2014-49 Meds and sharp disposal promotion~~ – This information is included in the Green Guide for all residents to use. As information on state legislation changes, this is sent to our coroner's office for their use.

Summary: We are requesting your review and approval of these goals at our next meeting.

Thank you for your time.

:SWGoalsApril2019

**Grundy County
Land Use Department
1320 Union Street
Morris, IL 60450
(815) 941-3229
(815) 941-3432 (fax)**



5/16/2019

TO: Chair Bob Breisch
Solid Waste Update Steering Committee (SWUSC) – Five Year
Update to 15 year Plan

FROM: Heidi H. Miller; Director

RE: May 28th, 2019 Meeting - 4:30-5:30 PM
Press Table in the County Board Room

- I. Attendance sheet
- 4914 II. Approval of Minutes from April 23, 2019 Meeting
- 4915 III. Discussion and Approval of Changes made to the 20 Year Plan
- IV. New and Old Business
- VII. Adjournment

Solid Waste Update Steering Committee (SWUSC)		Date: <u>5/28/19</u>
Member	Initial	
Frank Barber		
Mayor Bob Breisch		
Eric Dippon	<i>ED</i>	
George Gray		
Shane Gilbertson		
Ryan Hansen	<i>RH</i>	
Arthur Hornsby		
Debra Jo Kinsella		
Gerald McKinney		<u>5/28/19</u>
Jean McKinney		
Drew Muffler		<u>5/28/19</u>
Tim Urbanik		<i>TM</i> <u>5/28/19</u>
Victoria Wax		
Mayor David Wright		<i>DMW</i>



**Grundy County
Land Use Department
1320 Union Street
Morris, IL 60450
(815) 941-3229
(815) 941-3432 (fax)**

5/29/2019

TO: Chairman Chris Balkema
Solid Waste Update Steering
Committee (SWUSC) – Five Year Update to 15 year Plan

FROM: Heidi H. Miller, Director

RE: May 28, 2019 Meeting 4:30-5:30 PM

I. Attendance sheet –

Mayor Bob Breisch – Mazon
Eric Dippon – Republic Services
Drew Muffler – County Board member
Mayor David Wright – Braceville
Tim Urbanik – Grundy County Resident
Gerald McKinney – Grundy County Resident
Ryan Hansen – Chamlin & Associates

II. Approval of Minutes from the April 23, 2019 Meeting

Chairman Breisch if there were any changes or modifications needed for the minutes.
There were no comments.

Chairman Breisch asked for a motion.

Motion made by Muffler, Wright seconded. Motion passed.

III. Discussion and Approval of Changes made to the 20 Year Plan – Five Year Update

Miller began the summary of the changes to the update plan. The goals that were previously approved in the April meeting remained the same. However, the rest of the summary of those goals and values of the waste stream and diversion amounts and rates need to be updated.

The following are the updates and the page numbers where those changes occur:

Financing for the office – page 4
Population for Grundy Estimate – page 5
Municipal waste and diversion amounts from 2018 – pages 5-6
Years left on active landfills in Illinois in close proximity – page 9
Goals summarized – page 11-13
Response to state requirements for SW Plans – page 17
Minutes/agendas – will be added- page 23

There was discussion concerning the recycling rate and Chair Breisch stated that there was an article that was in the Chicago Tribune that provide information concerning plastic recycling within the United States. He continued that these companies are starting to make a concerted effort in recycling the plastic and will need more diverted towards their facilities. Miller said she had the article and would be providing that to the committee members for their review.

Wright expressed his concern that the US didn't provide for more recycling plants in this country such that foreign markets would cause issues to the recycling materials within this country.

Since the diversion rate was only 15%, Miller asked Dippon representing Republic why recycling is not more prevalent in Grundy. Dippon stated that he felt that since the recyclable materials are considerably lighter in weight that it may not accurately reflect the true recycling in the county.

Urbanik included comment on how First American Metal in Morris is able to pull apart materials down to the basic component parts and organize those to be recycled overseas.

Chair Breisch felt that the country youth would make a bigger difference with engineering such that more of this would occur in this country.

IV. New and Old Business

Miller wanted to bring up the ordinance that is supposed to be enforced by the county but also has language that would be applicable to all of Grundy County. She felt that the diversion rate would go up if the municipalities were requiring that all multi-tenant buildings were requiring recycling. She also mentioned that after reviewing the code if the committee felt that any of the ordinance requirements should be included as a goal that it should be included at this time. Other enforcement issues may also want to be considered and outlined as goals for the future as well.

Hansen felt that many of the waste haulers are not aware of what the ordinance requires or the Solid Waste Plan and it would be a good idea to make both documents better known.

V. Adjournment

Urbanik made the motion to adjourn, seconded by Muffler. Motion passed.

TIME

The World Has an E-Waste Problem



Workers sort through discarded electronics at ERI's Fresno facility Christie Hemm Klok for TIME

BY ALANA SEMUELS/FRESNO, CALIF. MAY 23, 2019

As a tech-hungry nation flush with cash gets ready to upgrade to the next generation of lightning-fast 5G devices, there is a surprising environmental cost to be reckoned with: a fresh mountain of obsolete gadgets. About 6 million lb. of discarded electronics are already processed monthly at recycling giant ERI's Fresno plant. Pallets of once beloved but now outdated devices, like smartphones with only an 8-megapixel camera or tablets with a mere 12 GB of storage, arrive here daily. Workers with hammers hack at the bulkiest devices, while others remove dangerous components like lithium-ion batteries. The

scene is like a twisted Pixar movie, with doomed gadgets riding an unrelenting conveyor belt into a machine that shreds them into piles of copper, aluminum and steel.

“In our society, we always have to have the new, best product,” said Aaron Blum, the co-founder and chief operating officer of ERI, on a tour of the facility. Americans spent \$71 billion on telephone and communication equipment in 2017, nearly five times what they spent in 2010 even when adjusted for inflation, according to the Bureau of Economic Analysis. (Apple alone sold 60 million iPhones domestically last year, according to Counterpoint Research.) When we buy something new, we get rid of what’s old. That cycle of consumption has made electronics waste the world’s fastest-growing solid-waste stream.

That stream is expected to turn into a torrent as the world upgrades to 5G, the next big step in wireless technology. 5G promises faster speeds and other benefits. But experts say it will also result in a dramatic increase in e-waste, as millions of smartphones, modems and other gadgets incompatible with 5G networks are made obsolete. “I don’t think people understand the magnitude of the transition,” says ERI co-founder and executive chairman John Shegerian. “This is bigger than the change of black-and-white to color, bigger than analog to digital, by many multitudes.”

That’s good business for ERI, which charges clients to collect their electronics and to securely wipe their data; the company also makes money from refurbishing and reselling devices. But less than a quarter of all U.S. electronic waste is recycled, according to a United Nations estimate. The rest is incinerated or ends up in landfills. That’s bad news, as e-waste can contain harmful materials like mercury and beryllium that pose environmental risks.

Part of the problem is regulatory. Only 19 states have laws banning electronics from the regular trash. In states without such rules, like Nevada, electronics often end up in garbage and recycling bins, said Jeremy Walters, a community-relations manager for waste collector Republic Services. Environmental

concerns aside, compacting flammable lithium-ion batteries with paper recycling can be dangerous; recycling centers have reported an uptick in fires.

Even when e-waste rules exist, it's left up to consumers to handle their old devices properly. But recycling them can be a pain. Rather than just drop a used phone in a bin outside their homes, lots of people have to take their electronics to a store, which may pay them for it but could also charge them to get rid of it. Many consumers, paralyzed by the hassle or put off by the expense, simply throw their devices into the trash or stash them in a drawer, hoping they'll just disappear. "We don't necessarily have the measures to make sure people aren't throwing it away," Walters said.

One solution is to make electronics last as long as they once did. At ERI's facility, Shegerian showed TIME dozens of televisions from the 1970s and 1980s that stopped working only recently. Yet instead, technology companies are speeding the pace of obsolescence. Most smartphone batteries can't be easily replaced when they stop holding a charge, new laptops don't accept old cables, and software companies push upgrades that won't run on old devices. "Our products today don't last as long as they used to, and it's a strategy by manufacturers to force us into shorter and shorter upgrade cycles," said Kyle Wiens, the founder of iFixit, which publishes do-it-yourself repair guides. Apple's AirPods, for example, may have trouble holding a charge after two years. Apple declined to comment.

Some environmental groups say multibillion-dollar companies like Apple and Samsung should pick up the cost of recycling the devices they sell. Lawmakers in parts of Europe and Canada and in some U.S. states have passed so-called Extended Producer Responsibility (EPR) laws, which require manufacturers to establish and fund systems to recycle or collect obsolete products. "Worldwide EPR legislation levels the playing field, because this cannot be done on a voluntary basis," said Scott Cassel, the founder of the Product Stewardship Institute, which advocates for EPR laws. "But the United States is resisting any changes to existing laws."

Even so, some companies are increasing their recycling efforts on their own, whether for the economic benefit or the public relations boost (mining fresh materials has financial, environmental and human costs of its own). For instance, Apple in 2018 introduced Daisy, a smartphone-recycling robot that can take apart 200 iPhones every hour, and says it diverted 48,000 metric tons of electronic waste from landfills that year. But that's a drop in the bucket compared with the 50 million tons of e-waste generated globally last year—a number that stands to skyrocket as consumers replace their old devices with the newest 5G-ready gadgets money can buy.

Contact us at editors@time.com.

This appears in the June 03, 2019 issue of TIME.



**Grundy County
Land Use Department
1320 Union Street
Morris, IL 60450
(815) 941-3229
(815) 941-3432 (fax)**

6/17/2019

TO: Chair Bob Breisch
Solid Waste Update Steering Committee (SWUSC) – Five Year
Update to 15 year Plan

FROM: Heidi H. Miller; Director

RE: June 25, 2019 Meeting - 4:30-5:30 PM
Conference Room 1 & 2

- I. Attendance sheet
- II. Approval of Minutes from May 28, 2019 Meeting
- III. Recommendation of the Five Year Update of the 20 Year Solid Waste Plan for a Public Hearing on July 11, 2019 and Land Use Committee on ~~July 24, 2019~~
- IV. New and Old Business

~~VII.~~ Adjournment

June 25, 2019

SWUSC Printed Name	Email	Address	Phone number
Tim URBANIK	tmurbanik @GMAIL.COM	6095 Gun Club Rd Morris, IL 60450	815-302-3709 (C)
Jean McKinney		6975 Gun Club Rd Morris IL 60450	815-942-4294 (N/C)
Victoria Wax	manager@kendall grundyfb.com	4000 N Division Morris IL 60450	815-942-6400
Dan Muller			
Eric Dippin			
Deigo Kinsell			815-370-9331
BOB KALEBICA	BRADIE R REPUBLIC SERVICES -CON		
Dan Duffy		Village of Mineola	815-942-2151



**Grundy County
Land Use Department
1320 Union Street
Morris, IL 60450
(815) 941-3229
(815) 941-3432 (fax)**

6/26/2019

TO: Chair Bob Breisch
Solid Waste Update Steering
Committee (SWUSC) – Five Year Update to 15 year Plan

FROM: Heidi H. Miller; Director

RE: June 25, 2019 Meeting 4:30 PM

I. Attendance sheet –

Eric Dippon – Republic Services
Drew Muffler – County Board member
Tim Urbanik – Grundy County Resident
Gerald McKinney – Grundy County Resident
Jackie McKinney – Grundy County Resident
Victoria Wax – Kendall/Grundy Farm Bureau
Deb Jo Kinsella – County Board member
Bob Kalebich – Republic Services
Dan Duffy – Administrator Village of Minooka
George Gray – Administrator Grundy County
Heidi Miller –

II. Approval of Minutes from the May 28, 2019 Meeting

As Chair Breisch was not in attendance, Drew Muffler was asked to chair the meeting.

Muffler asked if there were any changes noted for the minutes. There was none.

Muffler asked for a motion.

Kinsella motioned, Urbanik seconded. Motion passed.

III. Recommendation of the Five Year Update of the 20 Year Solid Waste Plan for a public hearing on July 11, 2019 and also to the Land Use Committee to place on file with the County Board.

Miller clarified that the recommendation would be to the Land Use Committee to place the document on file with the County Board in order that the State requirement for it to be on file for 90 days will be complied with.

Muffler asked if there were any questions or suggestions for change to the document. Kinsella stated that she felt that it was a good document and that it was a lot of work. Miller stated that she had a lot of help from Muffler and Gray with the goals making them more attainable and that Kinsella also took part in that decision making.

Miller stated that the municipal input was important and asked Duffy if there were any comments from the Village of Minooka. Duffy said that they did not have any additional comments and felt that it was a detailed and quality document.

Kinsella added that it would be fruitful for the County Board to consider adding staff to the Land Use Department as there was a full time employee who did complete all events and education. Kinsella felt strongly that since there had been a lot of activity for the Land Use Department with the solar farm petitions and funds that were increased based on that that a part time educator would be a needed part of their staffing. Miller stated that she would add that to the 5 year goal for further discussions with the Land Use Committee at their meeting on June 27, 2019.

Muffler asked for a motion that the document be placed on file and recommended to the Land Use Committee for that action and that a public hearing be held on July 11, 2019.

Urbanik motioned, Muffler seconded. Motion passes.

IV. New and Old Business

Miller stated that the previous month that the committee discussed the ordinance for the Land Use Department to enforce for solid waste issues in the county specifically the recycling requirements and municipal involvement. She asked that after the review of the ordinance provided last month if there was anything that the committee thought was lacking that should be added.

Muffler asked how and who would be enforcing the document. Miller stated that the Land Use Department would enforce the document and has done so in the past in a similar fashion as property maintenance, building or zoning violations. When the owner does not conform, the complaint is sent to the States Attorney's office for further action or prosecution. Miller summarized by stating that her office was reactive instead of proactive on these complaints.

Muffler was satisfied with that and thought the ordinance as adequate.

V. Adjournment

Muffler asked the committee to make a motion to adjourn the meeting.

Kinsella made the motion to adjourn, seconded by Urbanik. Motion passed. Meeting adjourned at 4:50 PM.

APPENDIX B: Event Advertisement

Landfill Capacity and Disposal Volume by Region

The Illinois EPA divides the state into seven administrative regions. These regions have different landfill populations, disposal rates, landfill capacities, and resulting landfill life expectancies. The table below identifies this information on a regional basis.

Region Number	Geographic Area	Number of Landfills	Capacity (yd ³)	Disposal Volume (yd ³)	Life Expectancy (yrs)
1	Northwestern Illinois	7	359,535,309	17,798,774	20.2
2	Chicago Metropolitan	4	84,848,360	7,700,041	11.0
3	Peoria/Quad Cities	6	117,222,628	5,037,568	23.3
4	East/ Central Illinois	7	172,032,754	6,213,559	27.4
5	West/Central Illinois	4	30,972,480	1,708,857	18.1
6	St. Louis Metro	4	183,696,898	10,186,143	18.0
7	Southern Illinois	5	82,667,343	1,629,621	50.7
Total		37	1,030,975,772	50,334,563	20.5



Grundy County
Land Use Department
Trashformations
Competition
2019



INVITE: The Land Use Department would like to invite Young Artists from 1st through 8th Grades to compete for the BEST Trashformation sculptures competition in Grundy County for each grade level.

WHO: Individual student art sculptures made from recycled materials from each grade level from 1st through 8th Grades in Grundy County are asked to compete.

WHERE: All sculptures shall be dropped off at the Grundy County Administration Building located at 1320 Union Street Morris, IL 60450 by Thursday April 18th, 2019 by 4:00 PM.

PRIZES: The prize for the best Grundy County individual sculptures for 1st through 8th grades will be given a \$50.00 Gift Certificate to Walmart. The 2nd and 3rd place winners from each grade level will also receive a gift. Each sculpture participant will receive a certificate.

WHEN: All sculptures will be judged on Wednesday, April 24th by the Land Use Committee. All sculptures will be on display for Earth Month and for the County Board meeting on May 14th. We ask that all sculptures be picked up from the County Administration building by Friday May 17th.

ARTWORK GUIDELINES: Please see the attached information.

DECISION NOTICE: Winners will be notified by Monday April 29, 2019.

CONTACTS: Please call Heidi Miller (815) 941-3229 or hmillers@grundyco.org with any questions you may have.

Thank you for participating in this competition.



Artwork Restrictions:

All sculptures must fit into the following dimensions:

- Three Feet (3'-0") in height
- Two feet (2'-0") in width
- Two feet (2'-0") in length

General Information:

- Do not paint recyclables so judges will be able to see the recyclables used.
- Free Standing
- Non– Recyclables for attachment and artistic impression may be used.

Judging Parameters:

- Artistic Expression
- Amount of Recyclable items used
- Originality/naming of sculpture

Identification:

- Each sculpture shall have a 3" x 5" card attached to it that provides the following information:

Sculpture Title

Grade

Student Name

Teachers name and phone number direct/email

Number of Recyclable materials used



Thank you for your continued cooperation in working with the Grundy County Land Use Department as we work toward our goal to outreach to the Grundy residents to incorporated the 4Rs into their lives:

R– Recycle

R– Reduce

R– Reuse

R– Respect the EARTH

Any questions please contact:

Heidi H. Miller—Director (815) 941-3229; hmill@grundyco.org

**Grundy County Land Use Department
Shredding Event
Friday April 26, 2019; 10:00 AM to Noon
Administration Building Parking Lot
1320 Union Street, Morris**



Grundy County Residents Only—2 Boxes Limit

***AFTER TAXES SHRED EVENT**

- Save on time of shredding them yourself
 - Save the cost of a shredder
- Recycle - 33% of all municipal waste is paper
- Paper is the most recoverable waste product.

Process:

- 1) Paper is dumped into shredding device that is part of a box truck.
- 2) Documents are shredded!
- 3) Shredded paper is weighed and recycled!
- 4) Grundy County residents give back to the earth!



Thank you Grundy County Residents—you are *Earth Savers!*

**Sponsors: Land Use Department and the
Grundy County Board**



**If you should have any questions,
Please call (815) 941-3228**

Grundy County Land Use Department

Saturday, April 27, 2019

Electronic Waste Recycling Event

310 East DuPont Road, Morris, IL 60450

8:00 AM until Noon



RESIDENTIAL ONLY EVENT

The following general electronics that will be accepted:

- **TVs Charged (cash only)**

- **\$25 less than 21"**

- **\$35 greater than 21",**

- **\$50 projection TVs**

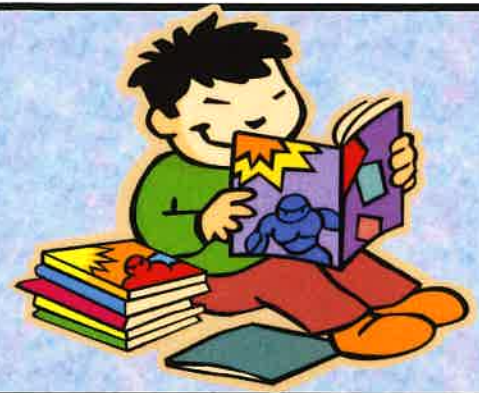
- Monitors
- Laptops
- Printers
- Computer towers
- Printers/Fax/Scanners
- Microwaves
- Computer equipment
- Phones (cell /land line)
- PDA/MP3
- Electronic cable
- Electronically operated household item
- *No White Goods*
- *Call 815-941-3228 for information*



Children's Used Book Drive

Grundy County
Administrative Building
1320 Union Street, Morris

June 20nd—July 26th, 2019



Why is it great to donate children's used books?

- 61% of low income families do not own ANY children's books
- Every child Bernie's Book Bank serves receives 12 books a year
- Grundy County was able to collect 1500 books in 2018
- Helps to clean off book shelves to make room for books for your family

What books should be donated?

- Book for children from pre-school to 6th Grade
- Please no text books, workbooks, or reference books

How soon do the children receive the books?

Bernie's Book Bank puts a book in a child's hand within 5 days of receiving the books from a collection!

Give a child the opportunity to gain the world through a book!!

Thank you to our sponsors/partners:

Grundy County Board
Land Use Committee
Bernie's Book Bank



If you should have any questions please feel free to contact us:
Cheryl Wardell (815) 941-3228; cwardell@grundyco.org
Heidi Miller (815) 941-3229; hmillers@grundyco.org

Thank you Grundy County for Practicing Reusing!

**Grundy County
LATEX AND OIL PAINT
COLLECTION EVENT
SATURDAY, SEPTEMBER 28, 2019
9:00 AM to Noon
Grundy County Animal Control Facility
Parking lot off Lynn Road
310 East DuPont Road, Morris, IL 60450**



Grundy County Land Use Department will be partnering with Epaint Recycling Solutions to host a Paint Recycling Day!

Paint must be in its original, non-leaking, sealed container with the manufacturer's label attached in order to be accepted at the event. No aerosol spray cans will be accepted.

Epaint Recycling Solutions will accept cash or charge for the following paints:

LATEX PAINT:

Quart -\$1.00
Gallon—\$3.00
5 Gallon Pail—\$10.00

OIL BASED PAINT/STAINS:

Quart—\$4.00
Gallon—\$8.00
5 Gallon Pail—\$20.00

What does EPaint Recycling Solutions do with the paint that they receive?

- Epaint has processed over one million cans and recycled thousands of gallons of paint.
- They are able to mix similar types of paints to produce a paint product that is tinted for use, has good coverage and cost half as much as traditional paints.
- Paint is currently being sold at Habitat for Humanity Restore locations and other retailers.
- Epaint is able to recycle 98% of the paint collected and also ensures that the cans are also recycled.
- First recycler in the country to be able to recycle oil based paints.



Please contact us at (815) 941-3228 if you should have questions

Grundy County Land Use Department

Gently Used Toy Drive

November 8th through December 13th, 2019

Please donate gently used children's toys, games, DVDs, and plush animals. All donated items will be distributed by Rotary International, Toys for Joy by the Ma-zon Methodist Church and to needy children in Grundy County in time for Christmas.

Collection Locations:

Grundy County Administration Building	1320 Union Street, Morris
Morris Public Library	604 Liberty Street, Morris
Coal City Public Library	85 N. Garfield Street
Minooka Three Rivers	109 West Wabena
Channahon Three Rivers Library	25207 West Channahon Drive
Fossil Ridge Library	386 West Kennedy Road, Braidwood

Thank you for your generosity!



2019 GRUNDY COUNTY GREEN GUIDE



The Grundy County Green Guide was developed by the Environmental and Resource Conservation Office to provide Grundy County residents with solutions to recycling and solid waste obstacles. The solutions provided in this guide focus on ways to reuse/recycle or dispose of items that should not be land filled due to their hazardous nature and IEPA laws.

If you have any questions or comments, please contact either Heidi Miller or Cheryl Wardell at the Grundy County Land Use Department at (815) 941-3229; hmillier@grundyco.org or (815) 941-3228; cwardell@grundyco.org

LOOK INSIDE TO FIND:

Waste & Recycling Web Sites	pg. 3	Household Hazardous Waste - HHW	pg. 18
Materials banned from Landfills	pg. 7	Household Medical Waste	pg. 19
Municipal/Village Hall Information	pg. 8	Latex Paint Disposal	pg. 19
County Licensed Hauler Information	pg. 8	Oil Recycling	pg. 20
Appliance/White Goods Recycling	pg. 9	Landfills and Transfer Stations	pg. 20
Automobiles & Boats Donations	pg. 9	Packing Peanuts/Bubble Wrap Recycling	pg. 20
Automotive Recycling Opportunities	pg. 9	Pallet Recycling	pg. 20
Batteries - Lead-Acid & Household	pg. 11	Plastic Grocery Bag Recycling	pg. 21
Bikes	pg. 11	Polystyrene Recycling Reuse	pg. 21
Books	pg. 11	Propane Tanks	pg. 22
Cellular Phone Recycling/Reuse	pg. 12	Rain Barrels	pg. 22
Clothing & Textiles Reuse/Recycling	pg. 13	Refrigerators/Freezers/washer/dryers	pg. 22
Compost Bins/Facilities	pg. 13	Reuse and Resale Shops	pg. 22
CFL Disposal/Recycling	pg. 14	Tire Recycling and Disposal	pg. 23
Construction & Demolition Material Recyclers	pg. 14	Toner/Inkjet Cartridge Recycling	pg. 23
Electronic Recycling	pg. 15	Unwanted Advertising (Junk) Mail	pg. 23
Eye Glasses and Hearing Aid Reuse Programs	pg. 16	Recyclers of Grease	pg. 24
Fire Extinguishers and Smoke Detectors	pg. 16	Recyclers of Scrap Metal	pg. 24
Flags	pg. 17	Recyclers of Paper	pg. 25
Fluorescent Bulb Recycling	pg. 17	Regulations for Open Burning	pg. 26
Freecycling	pg. 17	Recycling and Open Dumping	pg. 27
Furniture	pg. 17	2019 ERCO Events	Pg. 28

This publication has been brought to you by the:

Grundy County Land Use Committee

Debra Jo Kinsella—Chairwoman (District 2)

Jake Olson —(District 3)

Ellen Hanson —(District 1)

Ken Iverson —(District 1)

Millie Dyer - Vice Chairwoman (District 1)

Harold Vota —(District 3)

Mike Onorato—(District 3)

This publication has been developed by the
Land Use Department; Heidi Miller

Grundy County
Administration Building
1320 Union Street
Morris, IL 60450

Office Hours Monday through Friday from 8:00 AM to 4:30 PM

This publication is also available for viewing and printing at
the Land Use Department at Grundyco.org webpage

NOTE: The County's publication of this document is provided as a service to the residents of Grundy County. Inclusion is not intended as an endorsement of any of these companies, nor has the County purposely excluded any additional parties that may provide waste reduction, reuse or recycling services.

While the County has tried to obtain the most current information available, the contents of this Guide are subject to change without notice.

The Grundy County Green Guide is a non-copyrighted publication.
Anyone is welcome to copy and distribute it.

Environmental & Recycling Websites

Illinois Recycling Association:	www.illinoisrecycles.org
US Environmental Protection Agency:	www.epa.gov
IL Environmental Protection Agency:	www.epa.gov
Pollution Control Board:	www.ipcb.state.il.us
IL Department of Commerce and Economic Opportunity:	www2.illinois.gov/dceo/Pages/default.aspx
Earth's 911:	www.earth911.com
National Recycling Coalition:	https://nrcrecycles.org/
Environmental Industry Association:	www.wasterecycling.org
Solid Waste Association of North America:	www.swana.org
Vermicomposting:	www.redwormcomposting.com
Rechargeable Battery Recycling Corporation:	www.prba.org
Glass Packaging Institute:	www.gpi.org
American Plastics Council:	www.americanchemistry.com/plastics
Recycling sites	www.world.org/weo/recycling
Environmental Tech Schools	www.trade-schools.net/environmental/
Six pack plastic ring recycling	www.ringleader.com
Crayon Recycling	www.crazycrayons.com
World Wildlife Global Network	www.worldwildlife.org
Sierra Club	www.sierraclub.org
Use Less Stuff	www.use-less-stuff.com
Free Cycle	www.freecycle.org
Recyclable materials artwork	www.artistsnetwork.com/art-mediums/technique-tuesdays-recycled-art/
Earth Day Network for April 22	www.earthday.org
Your Guide to Composting	www.howtocompost.org
Environlink provides environmental information	
For businesses and citizens	www.envirolink.org
Mother Nature Network	www.mnn.com

Kids Webpages

Green Crafts

www.greenkidcrafts.com
www.favecrafts.com
www.freekidscrafts.com/recycled-crafts/
www.planetpals.com
www.notimeforflashcards.com/2014/04/recycled-art-project-for-kids-2.html
www.weareteachers.com/earth-day-crafts-classroom-activities/
www.education.com/activity/kindergarten/recycled-crafts/
www.favecrafts.com/Earth-Day-Crafts/16-Recycle-Crafts-for-Kids
www.naturespath.com/en-us/blog/19-activities-kids-learn-recycling/
www.kinderart.com/recycle
www.happyscribbles.net/recycled-art.php

Environmental Issues for Kids

www.kids.niehs.nih.gov
www.activekids.com/parenting-and-family/articles/5-environmental-activities-for-kids

Wind Energy for Kids

www.cecsb.org
www.eia.gov/kids/energy.cfm?page=wind_home-basics

Recycling Games

www.kidsrecyclingzone.com
www.pbskids.org
www.kid-at-art.com
www.planetpals.com

Composting for Kids

www.mykidsadventures.com/five-fun-composting-projects-for-kids/



Family Webpages

Outdoor Activities

www.nwf.org
www.Familyfitness.about.com
www.parents.com/fun/activities/outdoor/

Composting

www.epa.gov/compost/
www.planetnatural.com/composting-101/
www.howtocompost.org
www.compostinstructions.com

Crafts

www.familycrafts.about.com
www.funfamilycrafts.com
www.aboutfamilycrafts.com



Teacher Webpages

Teacher Web Pages

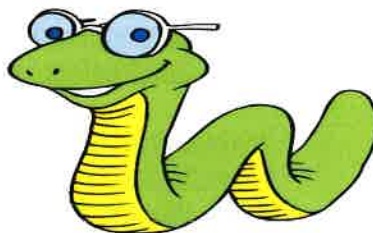
www.neefusa.org
www.earthforce.org
www.discoveryeducation.com
www.epa.gov
www.treepeople.org
www.edutopia.org
www.plt.org/educator-tips/top-ten-benefits-environmental-education/
<https://teachheart.org/resources/environmental-issues/>
www.epa.gov/students
www.teachervision.com/green-activities



Gardening/Composting Webpages

Vermicomposting

www.compostguide.com/vermicomposting
www.compostguy.com
www.allthingsorganic.com
www.planetnatural.com
www.redwormcomposting.com



Organic Gardening

www.bhg.com
www.motherearthnews.com
www.groworganic.com

Teen Webpages



Eco Challenge

www.scholastic.com/lexus/

Environmental Issues

www.epa.gov/epawaste/education/teens/index.htm
www.nea.org

Improving communities

www.earthforce.org/

Environmental Literacy Council

Teen issues for air, food, energy and water

www.enviroliteracy.org

Materials banned from Landfills

Material	Ban Date	Recycling/Disposal Choices
• Lead Acid Batteries	1990	see page 11
• Household Fluorescent Bulbs/High Intensity Light Bulbs	1997	see page 18
• Motor Oil	1996	see page 21
• Tires	1994	see page 24
• Household Medical Waste	1993	see page 20
• White Goods (Large appliances, etc.)	1994	see page 9
• High Hazardous Waste		see page 20
• Landscape Waste	1990	see page 13



Residents

If you live in an unincorporated area, it is your responsibility to obtain the services of a licensed waste hauler through subscription service. All municipalities have contracts with individual haulers to collect waste within their boundaries. To check on specifics within your municipal curbside waste/recycling program, call your village hall and/or hauler.

Braceville Village Hall

300 N. Mitchell Street
Braceville, IL 60407
815-237-8655

Dwight Village Hall

209 S. Prairie Avenue
Dwight, IL 60420
(815) 584-3077

Mazon Village Hall

520 Depot Street/P.O. Box 33
Mazon, IL 60444
815-448-2206

Carbon Hill Village Hall

695 N. Holcomb Street
Carbon Hill, IL 60416
815-634-4968

East Brooklyn Village Hall

Box 338
South Wilmington, IL 60474
815-237-8360

Minooka Village Hall

121 E. McEvilly Road
Minooka, IL 60447
815-467-2151

Channahon Village Hall

24555 S. Navajo Drive
Channahon, IL 60410
815-467-6644

Gardner Village Hall

302 N. Center Street
Gardner, IL 60424
815-237-2592

Morris City Hall

700 N. Division Street
Morris, IL 60450
815-942-0103

Coal City Village Hall

515 S. Broadway Street
Coal City, IL 60416
815-634-8608

Godley Village Hall

150 S. Kankakee Street
Braceville, IL 60407
815-458-2222

S. Wilmington Village Hall

380 Lake Street
South Wilmington, IL 60474
815-287-2241

Diamond Village Hall

1750 E. Division Street
Diamond, IL 60416
815-634-8149

Kinsman Village Hall

Box 836
Kinsman, IL 60437
815-970-2554

Verona Village Hall

429 Division Street
Verona, IL 60479
815-287-2320

County—Licensed Waste Haulers

Residential waste haulers are required to collect, waste, and recyclables produced by the customers of either residents or commercial/industrial users. Haulers have the right to refuse collection of recyclables which are prepared incorrectly or contain garbage. Haulers are required to provide trash and recyclables collection. Any other specific questions in regard to the type of waste that is picked up, dates and times of that pick up, and general complaints should be directed to the city hall or the waste hauler directly.

Republic Services
808 S. Joliet St.
Joliet, IL 60436
815-774-3910

Waste Management
2100 Moen Avenue
Rockdale, IL 60430
815-725-4200

NuWay Disposal Service, Inc.
P.O. 588
Morris, IL 60450
815-942-5851

JB Disposal
5485 S. Gonnam Road
Verona, IL 60479
815-287-2087

Three Rivers Waste & Recycling
P.O. Box 2127
Joliet IL 60450
815-693-6496

Environmental Recycling & Disposal
P.O. Box 675
Orland Park, IL 60462
815-725-4555

Homewood Disposal
1501 West 174th Street
Homewood, IL 60430
(708) 798-1004

County Line Hauling
P.O. Box 225
Newark, IL 60451
(888) 426-6767

Appliance/White Goods Recycling

Refrigerators, stoves, water heaters, and large appliances are considered White Goods and are banned from our landfills. The hazardous components, which include mercury, CFC gases, and PCB's are dangerous for our environment and need to be disposed of properly. Here are some options:

Contact your waste hauler for pickup options or the following local companies for hours for drop off:

Fairway Recycling
1124 E. Washington St.
Morris, IL
815-941-4550
Mon-Fri 7-4:00 PM
Saturday 7-1:00 PM

Hierz Scrap
4345 S. Verona Road
Verona, IL
815-287-2445
Mon-Fri 8-4:00 PM

Automobiles, RVs, Boats, and Motorcycles Donations

The following websites provide options on the donations of automobiles, RVs and motorcycles:

www.cardonationwizard.com

www.donateacar.com

www.800charitycars.org



Motor Oil

Auto Zone
1220 Division Street
Morris, IL 60450
(815) 416-1081

Walmart Tire and Lube
333 U.S. Route 6
Morris, IL 60450
(815) 942-5981

Auto Zone
525 US Route 6
Minooka, IL 60447
(815) 467-1263

Advanced Auto Parts
1135 E. Division
Coal City, IL 60416
(815) 634-8852

Motor Oil Filters

I Hierz Scrap
4345 S. Verona Road
Verona, IL
(815) 287-2445

Walmart Tire and Lube Express
333 U.S. Route 6
Morris, IL 60450
(815) 942-6306

AUTOMOTIVE RECYCLING OPPORTUNITIES

Batteries—Lead Acid Battery Recycling

Fairway Recycling
1124 E. Washington
Morris, IL
(815) 941-4550

Belson Scrap & Steel, Inc.
1685 N. State Route 50
Bourbonnais, IL
(815) 932-7416

Berlinsky Scrap
212 Page Avenue
Joliet, IL
(815) 726-4334

Ace Iron & Metals Inc.
11 3rd Avenue
Joliet, IL
(815) 723-2612
Auto parts/batteries

Hierz Scrap
4345 S. Verona Road
Verona, IL
(815) 287-2445

Advance Auto Parts
2510 W. Jefferson Street
Joliet, IL 60435
(815) 730-7428

AutoZone
1220 Division Street
Morris, IL 60450
(815) 416-1081

Walmart Supercenter
333 US Route 6
Morris, IL 60450
(815) 942-6306

First America Metal
1000 Armstrong Street
Morris, IL 60450
(815) 941-9888

Auto Zone
525 W. U.S. Route 6
Minooka, IL 60447
(815) 467-1263

Advance Auto Parts
1135 E. Division
Coal City, IL 60416
(815) 634-8552

Antifreeze/Transmission Fluids

Advance Auto Parts
2510 W. Jefferson Street
Joliet, IL 60435
(815) 730-7428

Auto Zone
525 U.S. Route 6
Minooka, IL
(815) 467-1263

Firestone Complete Auto Care
601 Brookforest Avenue
Shorewood, IL 60435
(815) 768-3926

Automobile Tires See page 26

Household Battery Recycling—Rechargeable/Nickel Cadmium

Grundy County: through Battery Solution Buckets:

Grundy County Admin Bldg.
1320 Union St.
Morris, IL

Coal City Public Library
85 N. Garfield St.
Coal City, IL

Morris Public Library
604 Liberty St.
Morris, IL

Morris City Hall
700 N. Division St.
Morris, IL

Other Drop off Locations:

Matteson Hardware (rechargeable only)
221 Bedford Road
Morris, IL 60450
(815) 942-6240

Seneca—Ellis Ace Hardware
255 South Main Street
Seneca, IL 61360
(815) 357-6144

Home Depot
621 Brookforest Ave.
Shorewood, IL 60404
(815) 725-6301

Verizon
657 Brookforest Ave
Shorewood, IL 60404

Bike Recycling

Aurora —All Spoked Up
14 W. Downer Place Suite 12
Aurora, IL 60506
(630) 801- 9005

Plank Road Cyclery
20 W. Elwood Street
Frankfort, IL
(815)469-3594
(drop off location)

All American Recycling
2285 New Lennox Road
Joliet, IL
(815)722-0200

Naperville Performing Bicycle
428 South State Route 59, Suite 106
Naperville, IL 60195
(630)983-3010



Book Reuse



SCARCE—Books and School Supplies

Drop off location and pick up
799 Roosevelt Road, Bldg. 2
Suite 108
Glen Ellyn, IL 60137
(630) 545-9710

Community libraries:

Morris Public Library; 604 Liberty St., Morris, IL 815-942-6880
Coal City Public Library; 85 N. Garfield, Coal City, IL 815-634-4552
Fossil Ridge Library; 386 W. Kennedy Rd, Braidwood, IL 815-458-2187
Three Rivers Library Channahon; 25207 W. Channon Road, 815-467-6200
Three Rivers Library Minooka; 109 N. Wabena, 815-467-1600

Book Drives for Children

Bernie's Book Bank
917 North Shore Drive
Lake Bluff, IL
(847)780-7323

Grundy County Toy Drive

November/December of Each Year
Grundy County Land Use Department/other locations
1320 Union Street
Morris, IL 60450
(815) 941-3229

Cellular Phone Recycling and Reuse

Air Corps
273 E. US Route 6
Morris, IL
(815) 416-1071

Walmart
Send in a postage paid mailer
printable from www.Walmart.com

Home Depot
621 Brookforest Avenue
Shorewood, IL 60404
(815) 725-6301

Staples
992 Brookforest Avenue
Shorewood, IL 60404
(815) 609-2387

Target
1111 Brookforest Avenue
Shorewood, IL 60404
(815) 609-6800

Cell Phones for Soldiers
Grundy County Land Use
1320 Union Street
Morris, IL 60450
(815) 941-3229
And Seldel & Mueller
Country Financial
1509 Creek Drive
Morris, IL 60450

First America Metal Corp.
1000 Armstrong
Morris, IL 60450
(815) 941-9888

Best Buy
3351 Mall Loop Drive
Joliet, IL 60431
(815) 609-0771

Green Hippo
Sell used phones on web
www.greenhippo.com
(855)304-4776



Clothing & Textiles Reuse/Recycling

Goodwill Store
414 Arthur Ave
Morris, IL
(815) 941-2411

St. Vincent DePaul Store
Drop off Donation/Sales
1427 Division Street
Morris, IL 60450
(815) 942-9288

UsAgain
www.usagain.com
(800) 604-9533
Ten boxes in Grundy

The Salvation Army
126 S. Bloomington Street
Streator, IL 61364
(815) 672-2746

We Care
530 Bedford Road
Morris, IL
(815) 942-6389

Purple Heart Veterans, Crestwood, IL (877) 337-3873

Vietnam Veterans of America, VVA.org for drop off boxes in Grundy County

AMVETS <http://www.ilamvets.org/HowToHelp/ClothingGoodsDonations/ScheduleaPickup/tabid/108/Default.aspx>

Compost Bins



The Grundy County Environmental & Resource Conservation Office does have EARTHMACHINE compost bins available for sale for \$50.00 each. Please call ahead to place order 815-941-3214, (815) 941-3229

For more information on composting please see pages 4, 5 and 6 of this guide.

Compost Facilities/Landscape Waste Transfer Stations

On Farm Compost Facility
Joyce Farms Recycling
13253 W. 3000 N. Road
Essex, IL
815-426-2133

Compost Facility
Land and Lakes Company
1371 N. Joliet Road
Romeoville, IL

Compost Supply Inc.
2970 Route 52
Newark, IL 60541

Christiansen Farms
12151 Wilmington Road
Peotone, IL
(708) 259-7355

Organix Composting
19065 Hickory Creek Drive, Suite 240
Mokena, IL 60448

Accepts grass clippings, branches and leaves
Must be free of glass, plastic and rocks
Landscape Companies and residents welcome

CFL Bulbs

For more information on CFL/mercury disposal, visit www.epa.gov/bulbrecycling

Home Depot
621 Brookforest Avenue
Shorewood, IL 60431
(815) 725-6301

To purchase kits for recycling the following companies may be contacted:
Air Cycle Corporation (800) 909-9709

Everlights Lamps and Ballasts; (877) 934-9873

Construction and Demolition Debris Recycling

Southwind RAS, LLC
2252 Southwind Blvd
Bartlett, IL 60103
(630)233-5700 (shingles)

GreenWay Resource Recovery, LLC
2100 S. Kilbourn Avenue
Chicago, IL 60623
(773) 522-0025 (landscaping/roof/concrete/brick/metals)

American Recycling and Disposal
2100 Madison Street
Maywood, IL 60153
(630)506-9977 (Dirt/concrete/ferrous metals/plastic)

C & D Recycling
2300 Carlson Drive
Northbrook, IL 60062
(847) 291-1222 (dumpsters for CCDD)

All American Recycling
2285 New Lenox Rd., Joliet, IL
Joliet, IL 60435
(815) 722-0200 (scrap metals)

Henson Disposal
2148 TriLakes Road
Bloomington, IL 61704
(309) 829-5022 (All CCDD)

JKS Ventures, Inc.
3800 W. Lake Street
Melrose Park, IL 60160
(708) 338-3408 (mixed demo/wood/brush/brick/metals)

Lakeshore Recycling Systems, Inc.
3152 S. California Avenue
Chicago, IL 60608
(773) 579-0100 (roll off dumpsters for mixed)

Sexton Clean Construction and Demolition Debris
22100 S. Central Avenue
Richton Park, IL 60471
(224) 212-1251 (Clean Construction Demolition Debris)

FJV Development LLC
2951 Mound Road
Joliet, IL 60645
(708) 774-9300 (clean fill/concrete/sand/brick/rock)

Will County Habitat for Humanity Restore
2112 West Jefferson Street
Joliet, IL 60435
(815) 714-7011 (Deconstruction Services to salvage items)

Narvick Brothers
1037 Armstrong Street
Morris, IL 60450
(815) 942-1173 (concrete)

Electronics Recycling

Grundy County Events: The Land Use Department periodically will hold Electronic Collection events. See our webpage at www.grundcyo.org or page 28 of this guide for more details.

IEPA WEBPAGE: www.epa.illinois.gov/topics/waste-management/electronics-recycling/

Best Buy Stores will accept the following electronics:

Best Buy will Accept these Electronics for Free/Potential discount on future purchase—All in one computers, battery back ups (UPS), cables, cd/dvd drive, computer speakers/controllers, memory, mice and keyboards, modems/routers/hubs, web cams, netbooks, desktops, hard drives, ink/toner cartridges, laptops, printers/scanners/fax, sound/video cards, tablets and e-readers.

Best Buy will take for a Fee:

\$25/each : CRT Monitors limited to 2/household/day

\$25/each: CRT/Tube TVs limited to 2/household/day LESS THAN 32", and Flat panel TVs, LCD, Plasma, LED smaller than 50"

Best Buy Will Haul a TV from Your Home for a Fee:

\$19.99 when a TV is delivered by Geek Squad or Best Buy Home Delivery (CRT/Tube and Projection will cost more—call your local store)

\$99.99 to haul and properly recycle



Eye Glass & Hearing Aids Reuse Programs

Check with your Municipality, Township Hall or Library for the Lions Club sponsored programs. In additions the following commercial businesses also collect these items:

Ortiz Vision and Hearing Center
880 W. Bedford Road
Morris, IL 60450
(815) 942-5500

Hearing Solutions
3223 North Liberty Street
Morris, IL 60450
(815) 942-4403

Pearl Vision
Hillcrest shopping center
1701 N. Larkin Avenue
Crest Hill, IL 60403
(815) 741-1140

Walmart
Vision Centers
333 East US Route 6
Morris, IL 60450
(815) 942-5918

Lens Crafters
153236 Louis Joliet Mall
Joliet, IL
(815) 436-1770



Fire Extinguishers/Smoke Detectors

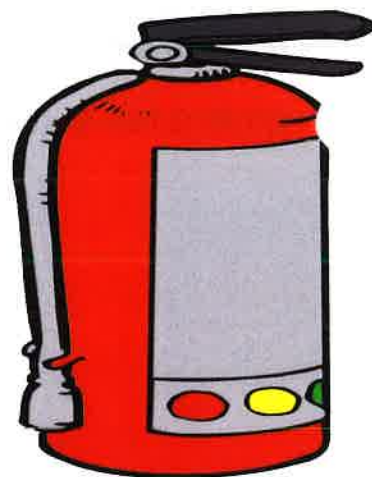
Fire Extinguishers:

EFR Fire Equipment
19711 Mokena St. (behind bldg. by garage door)
Mokena, IL
708-479-1889
*Also accepts Lead Acid Batteries—No fee

Illinois Fire & Safety **\$6.00 fee charged
702 Rowling Road
Addison, IL
(888) 455-3473

Cintas Fire Protection
1627 Rock Creek Boulevard
Joliet, IL
(815) 744-4075

Integrity Fire Equipment
1931 Cherry Hill Road
Joliet, IL 60433
(815) 726-0503
Also refills/recharges extinguishers/call for pricing



Smoke Detectors:

FEMA's US Fire Administration recommends that smoke detectors be replaced every ten years, but what do you do with the smoke detector?

There are two types of smoke detectors—Ionization and photoelectric.

Photoelectric types may be disposed of in your regular trash as long as the battery is taken out.

Ionization types must be properly disposed of as there is a small amount of radioactive substance in the detector. Check with the manufacturer for a mail in program to properly dispose of them or the USPS website for phone numbers and address for return.

Flags

Flags are accepted for proper disposal at the following locations:

Matteson's Ace Hardware stores:

Morris
221 W. Bedford Rd.
815-942-6240

Coal City
1025 E. Division St.
815-634-8898

Minooka
855 S. Ridge Rd.
815-467-7300



Other locations:

Municipal libraries
(call first)

VFW
309 McKinley Street
Morris, IL 60450
(815) 942-0605

American Legion
212 West Washington Street
Morris, IL
(815) 942-0183

Fluorescent Bulb Recycling

Kits:

Everlights
8027 N. Lawndale Ave.
Skokie, IL
877-934-9873
Call for details/charges

Air Cycle Corporation
Recycling Services and Equipment
2200 Ogden Avenue, Suite 100
Lisle, IL 60532
800-909-9709
www.aircycle.com
Commercial and Business Recycling
Also collects commercial batteries, ballast, e-scrap and waste.

"Freecycle" www.freecycle.org

This network provides individuals and non profit organizations an electronic forum to recycle unwanted items. Membership is free and is open to all individuals who want to participate.

To participate in the Morris Freecycle Group visit:

www.freecycle.org/group/US/Illinois/Morris

Furniture

Goodwill
414 Arthur Ave.
Morris, IL.
(815)941-2411

St. Vincent DePaul
1427 N. Division
Morris, IL
(815) 942-9288

Salvation Army
Operation Home Front
Furniture Bank

HHW— Naperville Regional Household Hazardous Waste Facility

Permanent HHW IEPA Drop Off Facility General Information

Naperville HHW

Located at 156 Fort Hill Drive, Naperville, IL 60540

Hours Saturday and Sundays from 9:00 AM to 2:00 PM, excluding holidays

Www.naperville.il.us/hhw.aspx

(630) 420-6095

Accepted HHW Items:

- Oil based paint, stain, varnish, and solvents
- Automobile fluids such as oil, antifreeze, etc.
- Aerosol cans
- Household cleaners and pool chemicals
- Mercury
- Propane tanks (20 lb.)
- Poison, pesticides, and insecticides
- Flammables
- Sealed fluorescent light bulbs, tubes and CFLs
- Hobby chemicals and unknowns
- Expired and unused prescription medications
- Batteries (auto, sump pump, marine)
- Asbestos materials that fit a 55 gal barrel
- Fire Extinguishers
- Prescription non-controlled and over the counter medications
- Peanut oil
- Solvents and strippers
- Thermostats
- Unknown hazardous substances
- Household batteries including car/sump

Not-Accepted Items:

- Ammunition
- Empty Spray cans
- Helium tanks
- Radioactive materials
- Smoke Detectors
- Paper, Glass, Metal, Wood, Styrofoam
- Trash and Non-hazardous Materials
- Unopened useable consumer products
- Compressed Gas (not propane)
- Explosives
- Latex Paint
- Sharps
- Tires

Call the Naperville Department of Public Works at (630) 420-6095 for other disposal options.

NO BUSINESS WASTE WILL BE ACCEPTED.

Procedure for Drop off:



To safely transport hazardous materials, make sure containers are securely sealed. Materials should be left in their original containers with a legible label. Do not mix chemicals together. Place containers in a box lined with plastic and a layer of kitty litter as protection against a spill or leak. Transport items in the trunk of your car and have them clearly marked.

When you arrive at the drop off facility, please stay within your vehicle. You will need to provide the technician with information verifying the county in which you reside.

PROPER Latex Paint Disposal

How to Properly Dispose of Latex Paint:

- Steel Cans with less than one inch of material may be opened and dried. Once the paint is dried keep the lid off of the can and dispose of in regular trash.
- Larger quantities may be reused or recycled. Please store the paint in an area where they will not be frozen at any time. Contact neighbors, friends, non-profits who may take the material as a donation.
- Larger quantities take additional drying time. Cat litter, oil dry, sand or sawdust is recommended as a low cost absorbent material that may be mixed with the latex paint to speed the drying process. The can and material must be placed in the refuse when complete: due to the absorbent and quantity of paint, this cannot be placed in the recycling program.

Paint Recycling Programs:

- Matteson Ace Hardware, 855 S. Ridge Rd., Minooka, IL (815)-467-7300 will take for a charge. Call first for charges.
- Kinko Ace, 1202 Essington Road, Joliet, IL 60435 (815) 729-0155 will take for a charge. Call first for charges.
- Check Grundy County Events Calendar for possible Paint Recycling Events (page 28); Fees will be applied.

Household Medical Waste

Medical waste generated in households is not regulated like medical waste produced by hospitals and other health care facilities. Pharmaceuticals can enter the water supply via sink, toilets, or trash disposal. Hence, there is great potential for these harmful chemicals ending up in our lakes, rivers, and ground water. Effects of improper disposal of this waste has already be shown to have negative effects on aquatic ecosystem. Trace amounts of certain medications have also been found in drinking water.

Used "sharps," such as hypodermic or intravenous needles, also pose a danger of accidental exposure to blood born pathogens. All sharps should be recapped and placed in rigid plastic containers such as detergent bottles. The lid should be placed back on these containers and they should be clearly labeled "sharps" or "needles".

Below is a listing of locations that will take unwanted sharps and medications that once collected will be properly disposed of through incineration under IEPA standards.

Grundy County Coroner's Office
1320 Union Street
Morris, IL
(815)941-3360
May drop off M-F from 8A-4:30P
Sharps and Meds accepted

Channahon Police Dept. (Medication Only)
24555 S. Navajo Drive
Channahon, IL 60410
(815) 467-5152

Minooka Police Department
121 McEvilly Road
Minooka, IL 60447
(815) 467-2300

Morris and Minooka Police Departments
700 N. Division Street (Morris)
121 McEvilly Road (Minooka)
***Container in Lobby for unwanted medication Only**—No syringe/needles.

Coal City Pharmacy
175 South Broadway Street
Coal City, IL 60416
Sharps and meds accepted.
(815) 634-2391

Morris Police Department
200 East Chapin Street
Morris, IL 60450
(815) 942-2131

Landfills and Transfer Stations

Waste Management Joliet Transfer Station
2850 Mound Road
Joliet, IL (800)963-4776
Accepts municipal solid waste, and construction debris
No hazardous or special waste
July 2016

Livingston Landfill
Pontiac, IL (815)844-3911
14206 E. 2100 Road North
Municipal, non-hazardous & special waste
Call for details.

LandCom -Republic Landfill
Illinois Valley Recycling
2840 E. 13th Road, Ottawa, IL (815)434-1808
Accepts municipal, non-hazardous and special waste.
Accepts clean recyclables at no charge.

Oil Recycling (see Automotive also)

Since oil is banned from landfills those who change their own oil must dispose of it properly. The following local merchants will accept your used motor oil. It is advisable to contact the following vendors prior to bringing your used oil to their facility. Do not leave or dump your oil containers outside a facility. Doing so may jeopardize future program alternatives for residents.

See Page 9 for Automotive Recycling Opportunities.

Packing Peanuts / Bubble Wrap - Reuse/Recycling

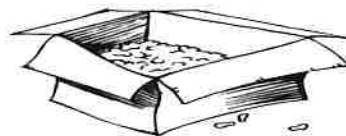
Peanuts can be made from plastic, vegetable, or cellulose. If they dissolve under water, they are biodegradable and can be composted. If they are plastic they can be added to the bottom of planters to improve water drainage or mixed into hard packed soil for improved drainage in the garden.

Ship N' Mail Business Services
601 N. Division Street
Morris, IL 60450
815-941-4140

The UPS Store
249 E. US Rte. 6
Morris, IL 60450
815-416-0750

Post Net
1147 Brookforest Avenue
Shorewood, IL 60404
815-230-2222

Verdeco Plastics Inc.
23315 South Youngs Road
Channahon, IL
(815)255-1585



Verdeco will also collect hard post industrial plastic, cardboard/paper, clean plastic film, water bottles, foam, Styrofoam, obsolete and off grade plastic materials. Drop off hours are 7:30 AM—3:00 PM Monday—Friday.

Pallet Recycling

Pallets Recycling & Disposal
491 W. 2000S Road
Kankakee, IL 60901
815-939-4968

Plastic Grocery Bag Recycling

Jewel-Osco (Morris and Minooka)
1414 N. Division St. (Morris)
2051 Ridge Road (Minooka)

Wal-Mart Supercenter
333 E. Route 6
Morris, IL
(815)942-6306

Verdeco Plastics Inc.
23315 South Youngs Road
Channahon, IL
(815)255-1585 **Call first

Target
1111 Brookforest
Shorewood, IL
(815) 609-6800

Most major grocery stores accept plastic grocery bags and newspaper wrappers. They usually have containers near the entrance of the store for collection. Businesses ask that only clean and dry bags be placed into the containers and all other materials, like receipts, be removed. Check with local dry cleaners to see if they accept used dry cleaning bags and hangers.

Use Reusable Grocery Bags

Reusable bags save trees
Reusable bags save water
Reusable bags save gas and oil
Reusable bags help air pollution
Reusable bags help our oceans
Reusable bags help our sea creatures
Reusable bags save 700+ bags over the span of their lifetime!
Reusable bags help our families!



Polystyrene Recycling/Reuse

There are limited options for block or expanded polystyrene - EPS. Encourage companies to take the recycling possibilities into consideration when deciding upon packaging options.

Ship N' Mail Business Services, (815)941-4140, 601 N. Division in Morris will accept block and expanded polystyrene (EPS) for use in their packing and shipping operations. Please call first.

Verdeco Plastics Inc.
23315 South Youngs Road
Channahon, IL
www.verdecoplastics.com
(815)255-1585

Propane Tanks

Hicksgas
415 South Division Street
Braidwood, IL
(815)458-2373
Will take empty and partial tanks for a charge (\$10.00)

Grainco FS
2295 N. Route 47
Morris, IL
(815)942-1022
Will take empty tanks at no charge.

Rain Barrels

Water conservation is important for our planet! Many areas in drought conditions put watering restrictions in place to conserve.

Rain barrels are a good method of collecting water to be used specifically for the watering of gardens and houseplants. All rain barrels should be constructed such that there is a netting to prevent insects, especially mosquitos, from breeding in the water.

Rain barrels are made in many different colors and shapes to add to the décor of your garden areas.

Places in which you may purchase a rain barrel include but are not limited to:

The Grundy County Soil & Water Conservation District has rain barrels for sale in the spring and the summer. For more information please call (815) 942-0359 x 3 or go to www.grundycountyswcd.org.

Home improvement stores: Menards, Walmart, Home Depot, and Lowes etc.

Refrigerators/Freezers/Washers/Dryers

Ace Iron and Metals Inc.
11 3rd Avenue
Joliet, IL 60433
(815) 723-2612

Fairway
1124 E. Washington
Morris, IL
(815) 941-4550

Hierz Scrap Service
4345 S. Verona Road
Verona, IL
(815) 287-2445

Reuse & Resale Shops

Are there some things that you have too much of, are just tired of, or have outgrown? There are shops that will take your items from you, and sometimes, you can even make money from them. The best part is that it will save them from going into a landfill! The list below can give you a start:

Goodwill
414 Arthur Ave.
Morris 815-941-2411
Accepts good clean and
re-usable clothing and
household items

St. Vincent DePaul
1427 N. Division St.
Morris 815-942-9288
Accepts good, clean and
re-useable clothing and
household items

Junk in the Trunk Flea Market
100 Commercial Drive
Morris, IL 60450
(8125) 942-2032
willis824@comcast.net
Third Sunday of the month

Tire Recycling & Disposal (call for disposal fees)

Dellwood Tire & Auto
530 W. Mondamin
Minooka, IL
(815) 467-0210

Steve's Tire Center
514 N. Liberty
Morris, IL
(815) 942-5080

Lucenta Tire
24059 S. Municipal Drive
Channahon, IL
(815) 467-1275

Mazon Auto
501 East Street
Mazon, IL
(815) 448-2122

McCoy Union 76
Rte. 6 and Tryon
Channahon, IL
(815) 467-2258

Tire Tracks
129 E. Jackson Street
Morris, IL
(815) 942-0001

Tire Zone
85 N. 1st Avenue
Coal City, IL 60416
(815) 634-3000



Larger Tire Drop off companies and locations:

Treadstone Tire Recycling
175 South Des Plaines Street
Joliet, IL 60436
(815) 726-4644

Liberty Tire Recycling
2044 N. Dominick St.
Chicago, IL 60614
(773) 871-6360

Tri-State Tire Disposal Inc.
13903 Ashland
Riverdale, IL 60827
(708) 388-9910

Toner/Inkjet Printer Cartridges

Many programs exist that will accept used cartridges for cash, credit. Internet provides many groups and companies that will provide incentives for recycling. Below is a listing of a few:

Staples Reward
Ink Toner Recycling Program
www.staples.com

Quill
Recycling Program
Quill.com
*Only ink & toner purchased from Quill

Office Depot Program

Schools may also participate in fund raisers by having their own recycling drive. Cartridges for Kids School Fundraiser—(877) 987-3678

Unwanted Advertising Mail

The mail you receive may have a section that lists an address for you to notify the company of your desire to be removed from any future mailings, or eliminated from the selling of your name to other mailing companies.

The following address and information will eliminate you from the registry for Direct Marketing and Credit Bureaus.

Mail Preference Service
Direct Marketing Assoc.
NW, Suite 1100
Washington, DC 20036
202-955-0085

Consumer Reporting Companies
5 year opt out
(888) 567-8688
www.optoutprescreen.com
emails, mails and calls

Direct Marketers Telemarketing
www.donotcall.gov
(888) 382-1222

Commercial Waste Haulers and Recyclers - Grease

Apex Waste Services
P. O. Box 3635
Joliet, IL
815-744-8910

Kaluzny Brothers Inc.
1528 Mound Road
Rockdale, IL
815-744-1453

Mahoney Environmental
1819 Moen Avenue
Joliet, IL
800-892-9392

Aurora Tallow, Inc.
28W440 Main Street
Warrenville, IL
(630) 393-6806

Waste Haulers for Scrap Metal

First American Metal Corp.
1000 E. Armstrong Street
Morris, Illinois
815-941-9888

Fairway Recycling Co.
1124 E. Washington
Morris, Illinois
815-941-4550

Belson Scrap & Steel Inc.
1685 IL-50
Bourbonnais, Illinois
815-932-7416

Hierz Scrap Service
4345 S. Verona Road
Verona, Illinois
815-287-2445

Berlinsky Scrap Corp.
212 Page Avenue
Joliet, Illinois
815-726-4334

All American Recycling
2285 New Lennox Road
Joliet, IL 60433
(815) 722-0200

Ace Iron and Metals Inc.
11 3rd Avenue
Joliet, IL 60433
(815) 723-2612

For additional information about companies that recycle scrap metal and other items such as white goods, please check your yellow pages or see the Appliance/White Goods Recycling section in this guide.

Recyclers of Paper/Shredders of Documents

Paper Recyclers with bin collection throughout Grundy County:

Midwest Paper Retriever
509 Rowell Ave
Joliet, IL 60433
Phone: 312-841-4460

Midwest Paper Retriever bins are currently located at:

Morris Public Library	604 Liberty St.	Morris
Morris High School	1000 Union St.	Morris
Peace Lutheran Church	101 Candlelight Ln.	Morris
Grundy County Sheriff's Bldg.	111 E. Washington	Morris
Grundy County Administration Bldg.	1320 Union St.	Morris
Standard Bank - Morris	1433 Lisbon St.	Morris
First Presbyterian Church	200 E. Jackson St.	Morris
Morris City Hall	700 N. Division	Morris
Bethlehem Lutheran Church	333 E. Rt. 6 @ Walmart	Morris
We Care of Grundy County	534 Bedford Rd.	Morris
Saratoga School	4040 N. Division	Morris
White Oak Elementary	2001 DuPont Ave.	Morris
Shabbona Middle School	725 School St.	Morris
First Christian Church	455 W. Southmor Rd.	Morris
Aux Sable Elementary	1004 Misty Creek Dr.	Minooka
Minooka Community High School	203 W. Mondamin St.	Minooka
Minooka Elementary School	400 Coady Dr.	Minooka
Minooka Intermediate School	321 W. McEvilly Road	Minooka
Minooka Jr. High School	333 W. McEvilly Road	Minooka
Minooka Primary Center	305 W. Church Street	Minooka
Walnut Trails Elementary School	301 Wynstone Drive	Shorewood
USPS - Coal City	495 S. Broadway	Coal City
Coal City Middle School	500 South Carbon Hill Rd.	Coal City
Coal City Public Library	85 N. Garfield Street	Coal City
Assumption Roman Catholic Church	245 S. Kankakee Street	Coal City

Document Shredding Companies

Shred X
330 North First Street
Wilmington, IL 60481
(815) 476-6616

West Rock
1601 East Mountain Street
Aurora, IL 60505
(630) 898-4231;
Public Wednesday Free 1-5:00 PM
Business Tues, Thurs Free 10-1:00PM

Midwest Fiber, Inc.
422 White Oak Road
Normal, IL 61761
(309) 452-0064

Shark Shredding
18811 South 90th Ave.; Suite 1
Mokena, IL 60448
(866) 702-3619

Shred-It
115 West Lake Drive #200
Glendale Heights, IL 60139
(877) 817-1211

Shred Nations Via UPS Store
249 East Route 6
Morris, IL 60450
(815) 267-9302

Important Information on Open Burning in Grundy County

Within City or Village Limits:

If you live within an incorporated city or village of Grundy County, please check with your local municipalities for local regulations.

Unincorporated Grundy County areas:

The following are the open burning allowances for areas in unincorporated Grundy County:

- Open burning is allowed only for dry landscape waste.
- Dry landscape waste includes tree trunks, branches, shrubs, and plants from gardens. Also includes all dry grass.
- Dry landscape waste that is burned must be generated from the parcel in which it is burned.
- Burning is allowed from October 15 to May 1.
- Time for burning Monday through Friday is 10:00 AM to 7:00 PM and weekends from 9:00 AM to 7:00 PM.
- No burning should take place when the wind speed is greater than ten (10) miles per hour.
- Burning shall occur such that the burn pile is greater than twenty (20) feet from any building, structure and greater than twenty (20) feet from any property line.
- Proper supervision by an adult should be continuous during the burn until the fire is completely extinguished.
- A fire extinguisher or water source shall be available at all times during the burning and to completely and thoroughly extinguish the fire.
- Garbage, construction materials, tires or lumber are prohibited to be burned during an open burn.

Exceptions to the open burning requirements:

- Recreational fire is an outdoor fire for warmth, cooking, where the fire is not larger than three feet by three feet by three feet.
- Fire Department control burns that have IEPA permits.
- Agricultural control fires.
- IDNR or state licensed contractors who are completing landscape or prairie control burns.

Thank you for your continued cooperation and please call my office if you should have questions concerning these regulations.

Heidi H. Miller
Land Use Director
(815) 941-3229
hmill@grundyco.org

County Recycling and Garbage Requirements

The Land Use Department's Environmental and Resource Conservation Office or ERCO regulates the waste haulers, improper garbage disposal, and open dumping issues for the unincorporated areas of Grundy County.

Below is a brief description of how our office may be able to assist you better:

Open Dumping:

As open dumping is a hazard not only for people but also negatively effects species of the water, land and air, it is prohibited and violators are required to comply with County and IEPA state requirements for cleaning the property until compliance is met. Failure to comply will cause the case to be sent to the States Attorney's office.

Rental and Mobile Home Units:

Owners of rental units or managers of mobile home parks are required to provide both garbage and recycling services to their tenants. The garbage and recycling receptacles shall be large enough to serve all of the tenants and be kept in a clean and orderly manner.

Waste Haulers:

All waste haulers whether service communities in unincorporated or incorporated areas of the county are required to hold an annual waste hauler license with our office. By receiving the insurance statements, our office ensures that if any public portion is damaged based on their trucks or dumpsters, the company has the means to correct those damages.

We also ask each hauler how much in tons of solid waste and recyclables that they collect from Grundy County. This helps us to see how much is created within our county and also what our recycling rate is at present. Our office provides outreach in many ways through our different recycling events throughout the year and also this document to help residents/children learn how to recycle and follow the other three Rs of reducing, reusing, and respecting the earth.

Nuisance Ordinance:

This office enforces one portion of the nuisance ordinance in regard to junk or refuse accumulated on a property. As this not only causes aesthetic problems for the neighborhood, it also may create other health and safety issues by allowing rodents, insects, and mosquitos to thrive.

The complaints that our office investigates are always generated from a call or complaint that we receive in the office in regard to the conditions. We will investigate and take photos to ensure that there is a violation before sending a letter to the owner of the property.

Failure to comply with the ordinance will cause the case to be forwarded to the States Attorney's office for further action.

Proposed 2019 ERCO Events for the Land Use Department

January: Green Guide 2019 completed and distributed on line

February: Family Fest February 9, 2019 - 9-1:00 PM Minooka JHS
Invite for 7th and 8th Grade Class to May Wind Farm Tour

March: Trashformation Sculpture Applications go out to Environmental Steward Email List-
ing
March 30 2019 Lights Out WWF
Compost Sale begins half off for Spring marketing/outreach
Compost Give Away/Grundy County Landscape Companies

April: Shredding Event April 26 10-Noon
Recycling gifts to schools to distribute for EARTH Day
April 22 Earth Day/Radio Interview on Events for the year
April 24 Land Use Committee Judges the Trashformation Sculptures
April 26th Shredding Event 10- Noon
April 27th Ewaste Event from 8-noon

May: Flower Seeds Give Away for Moms
Compost Sales
EDP Renewables for 7th and 8th Graders Tour Offer
Green Fair
Vermicompost education offer to Green Teachers Group

June: Bernie's Books Drive at the Administration Building June 21st through July 19th
Paint Recycling EPaint Recycling June 22nd 9-Noon

July: Tire Collection in Seneca/Olson's Recycling and Chicago's Liberty Tire - July 18th -
20th 9:00 AM to Noon

August: November 15th America Recycles Day; Recycled Promotional Giveaway Items

September: Ewaste Event September 7th - 8- Noon
Shred Event September 20st 10:00 AM to Noon
Introduction to Teachers on Events and Update Environmental Stewards Listing
2019/2020

October: Halloween bags distributed to preschools

November: Toy Drive Begins November 8th through December 13th
America Recycle's Day 11/15 free promo bags
Preschool Recycled Ornaments: Pre-K, K/Green Teachers

December: Holiday lights recycling drive with Joliet Recycler Partner
Toy Collection ends December 13th
Green Guide 2020 - Update/ Work 2020 Events

APPENDIX C: Public Hearing

NOTICE

Public notice is hereby given that on Thursday, July 11, 2019, commencing at 4:30 p.m., the Grundy County Solid Waste Committee will hold a public hearing in the County Board Room of the Grundy County Administration Center, 1320 Union Street, Morris, Illinois, to consider a 5 year update for the Solid Waste Plan.

This matter will be placed on file for 90 days, and will be heard by the County Board on October 8, 2019, in the County Board Room, 1320 Union Street, Morris, Illinois at 6:30 P.M.

A copy of the aforementioned application may be obtained from the Grundy County Land Use Department in the Administration Center. Persons wishing to be heard in support of or opposition to the proposed Solid Waste Plan shall be afforded such opportunity, and may submit their statement orally, in writing, or both.

Dated this 4th day of July, 2019, in Morris, Illinois.

Cheryl Wardell
Grundy County Zoning Board of Appeals

Please print on Thursday July 4, 2019

Please print one time only.



Solid Waste Update Steering Committee

Public Hearing

<http://www.grundyco.org/>

~ Agenda ~

Heidi Miller

Thursday, July 11, 2019

4:30 PM

Admin Building Conference Rooms 1 & 2

I. Call to Order

II. Public Comment *Notice in Morris Daily Herald*

III. Review of the 5 Year Update to the 20 Year Solid Waste Plan

1. Agenda Item (ID # 5052)

5 Year Update to the 20 Year Solid Waste Plan

ATTACHMENTS:

- SW Plan 5 Year Update 2019 (PDF)

IV. Adjournment

Meeting:**Location:**

Date:

7/11/19

[illegible]



**Grundy County
Land Use Department
1320 Union Street
Morris, IL 60450
(815) 941-3229
(815) 941-3432 (fax)**

7/12/2019

TO: Chair Bob Breisch
Solid Waste Update Steering
Committee (SWUSC) – Five Year Update to 15 year Plan

FROM: Heidi H. Miller; Director

RE: July 11, 2019 Public Hearing Minutes for the 5 Year Update to the 20 Year Solid Waste Plan

I. Attendance sheet –

Chairman Bob Breisch – County Resident
Tim Urbanik – Grundy County Resident
Gerald McKinney – Grundy County Resident
Jackie McKinney – Grundy County Resident
Deb Jo Kinsella – County Board member
George Gray – Administrator Grundy County
Heidi Miller – Land Use Director

II. Public Comment:

Chairman Breisch asked if there was anyone from the public that would like to provide comment in regard to the five year update plan. Hearing none, the public hearing was closed at 4:40 PM.

III. Review of the 5 Year Update to the 20 Year Solid Waste Plan:

Chairman Breisch asked Miller if she would provide the review of the five year update plan.

Miller completed a thorough review of each section highlighting the purpose and also the content. Highlights included that the recycling effort made by the residents was up a percentage since the 20 year plan of five years ago and is now 15%. Composting amounts are at 1% and as this value was not even detectable prior, it is a welcome change. Miller continued by stating the general goals of the plan and how the actual potential events or activities was decreased based on the decrease in staffing and funds that the department has to expend on events or materials. The new goals are attainable and allow for cooperative efforts to achieve them. The Kendal/Grundy Farm Bureau will allow for our educational materials and lessons to be brought to the classroom through the Ag in the Classroom program. As it has been difficult in getting into the classrooms, this is a huge help from Grundy/Kendall Farm Bureau.

Miller concluded by stating the other items that were included in the 5 year update

included the event publications, minutes/agendas (will be added), and the 2019 Green Guide.

She continued by saying that Green Guide is a great tool for the residents to use when determining locations in which they may recycle many items. This document will be on line as well for use.

Breisch asked for the committee members present to approve the plan. Urbanik motioned, McKinney (G) seconded. Motion passed.

IV. Adjournment

Miller mentioned that the plan would be placed on file with the County Board for 90 days as per State Statute and that they may or may not have a meeting on September 24th. If there are no comments for the plan during the 90 days, there will be no need for any further meetings.

Chairman Breisch asked for a motion to adjourn the public hearing.

McKinney (J) motioned, McKinney (G) seconded. Motion passed.

Meeting closed at 4:50 PM.

APPENDIX D: Adoption Resolution

RESOLUTION # 2019-063

**TO APPROVE THE FIVE YEAR UPDATE TO THE 20 YEAR
SOLID WASTE MANAGEMENT PLAN**

WHEREAS, the Grundy County Board adopts by state law a twenty-year County Solid Waste Management Plan to meet county and state goals and requirements for waste reduction and management of municipal waste generated within the County; and

WHEREAS, the State of Illinois requires that every County Solid Waste Management Plan be completely reviewed and updated every five years; and,

WHEREAS, the Plan Update was developed with significant opportunity for public input, including a Solid Waste Update Steering Committee with representatives from unincorporated and incorporated areas of the county, industry, and County Officials; and

WHEREAS, the Plan Update was open to the public for viewing and comment at the Grundy County Administrative Building, and the Grundy County Clerk's Office; and

WHEREAS, the Plan Update was on file for 90 days in accordance with the requirements of the IEPA for all updates; and,

THEREFORE, BE IT RESOLVED, THAT THE CHAIRMAN OF THE GRUNDY COUNTY BOARD, WITH THE ADVICE AND CONSENT OF THE COUNTY BOARD; HEREBY APPROVE THE FIVE YEAR UPDATE OF THE TWENTY YEAR SOLID WASTE MANAGEMENT PLAN.

PASSED, ADOPTED AND ENACTED this 8TH DAY OF OCTOBER, 2019



Chris Balkema
County Board Chairman

ATTEST:


Kay T. Olson
County Clerk

