

TRI- COUNTY SOLID WASTE MANAGEMENT PLAN



*Five-Year Solid Waste Management Plan Update for:
Franklin, Jefferson, and Williamson Counties*

Meeting 3



AGENDA

Speakers:

Tyler Carpenter

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Kelsey Bowe

*Environmental Planner
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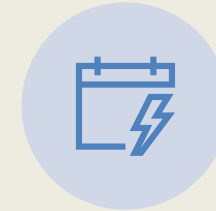
Welcome and
Introductions



Planning Review



Planning
Process



Current Planning



Public Education
and Outreach



Future Planning
and Timeline

Solid Waste Recycling Act (415 ILCS 15)

- Provide incentives for decreased generation of municipal waste
- Require counties to develop comprehensive waste management plan
 - Emphasis on recycling and alternatives to landfills
- Encourage municipal recycling and source reductions
- Promote composting of yard waste

PLANNING REVIEW

- Meeting 1- May 25, 2023
- Planning Public Announcement (July 5 - 8)
 - Benton News
 - Centralia Sentinel
 - Marion Republican
- Meeting 2- August 17, 2023
- Required Forms
 - Advisory Committee Form
 - Municipal Surveys

PLANNING PROCESS/ REQUIREMENTS

County Coordinators

- Franklin County – Angela Evans, *County Board Member*
- Jefferson County – Amy Harrison, *Administrator, Jefferson County Health Department*
- Williamson County – Alex Simpson, *Supervisor of Assessments*

Advisory Committee

- Meeting attendees, county/city officials
- Reach out to others

Municipal Participation

- Next steps

PLANNING PROCESS/ REQUIREMENTS

Participation Requirements

- All municipalities must participate in the planning process
- Participation can be met through:
 1. Meeting attendance
 2. Completed Waste/Recycling Questionnaire

PLANNING PROCESS

Waste/Recycling Survey

- Please return asap

Tri-County Solid Waste Management Plan Questionnaire for municipalities



Name of City/Village:

County:

1) Does your municipality have scheduled trash pick-up? Yes No

If yes, Does the municipality run the program or do you contact with a private hauling company?

2) Does your municipality have scheduled recycling pickup? Yes No

If yes, Does the municipality run the program or do you contract with a private hauling company?

3) Does your municipality have recycling drop off locations? Yes No

and locations:

4) Does your municipality have electronic recycling events? Yes No

#/year and locations:

5) Does your municipality conduct large waste pickup events or host free dump days? (Furniture, home construction waste, etc.) Yes No

#/year and locations:

6) If your municipality has no waste services, would you like to suggest any for future consideration? These suggestions will be added into the Plan but you will not be required to implement them. (Can be suggested but contingent on funding/resources)

PLANNING PROCESS

Waste/Recycling Survey

- Returned

Franklin							
Municipality	Curbside Trash?	Hauler	Curbside Recycling?	Yard Waste Pickup?	Recycling Drop Off?	Electronic Recycling Events?	Clean-up/Dump Days
Sesser		Republic					
Royalton		Republic					
Thompsonville		Bulldog					
West City		Republic					
Hanaford		Bulldog					
North City		Republic					

Jefferson							
Belle Rive		Republic					
Bonnie		Republic					

Williamson							
Stonefort		Bulldog					
Crainville		Didn't List					
Cambria		Republic					
Carterville		Republic					

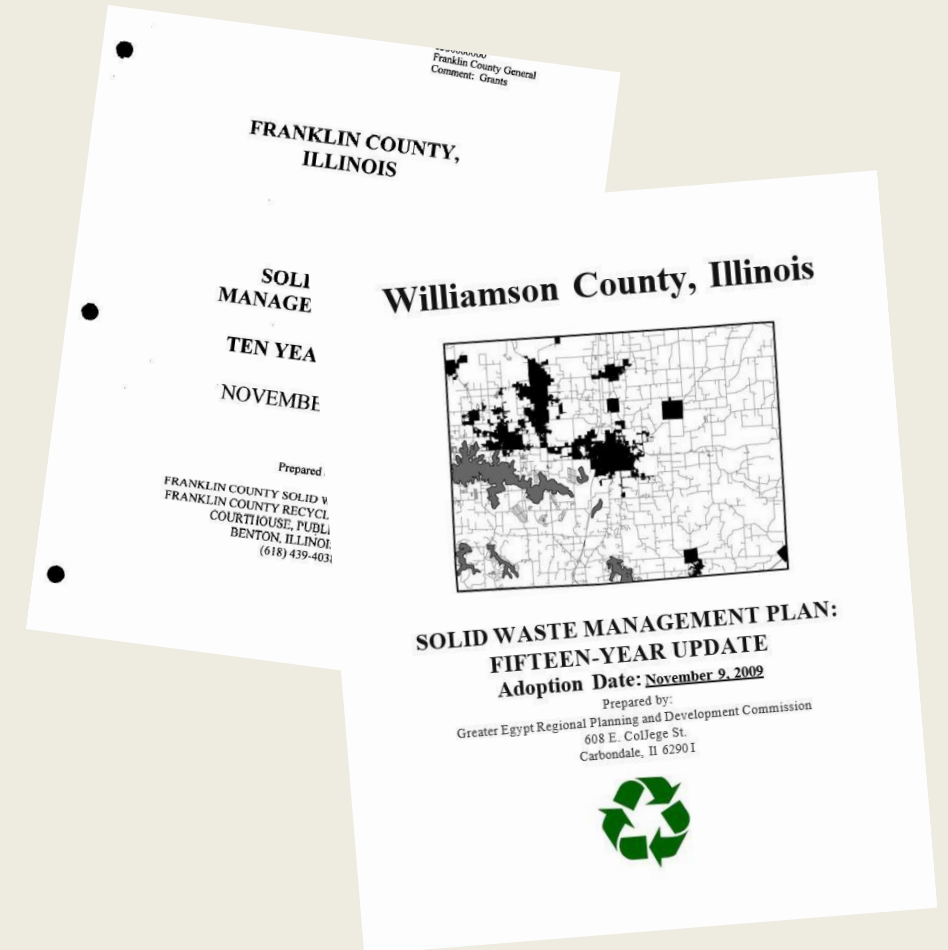
Not Returned		
Benton	Bluford	Bush
Buckner	Dix	Colp
Christopher	Ina	Creal Springs
Ewing	Mt Vernon	Energy
Macedonia	Nason	Freeman Spur
Freeman Spur	Waltonville	Herrin
Orient	Woodlawn	Hurst
Valier		Johnston City
West Frankfort		Marion
Zeigler		Pittsburg
		Spillertown

CURRENT PLANNING

Solid Waste Plan Components

- **Intro and County Background**
- Regional Plan Updates
- Waste Generation and Composition
- Materials Management
- Public Education and Outreach
- Management Recommendations

- Taken from Multi-hazard Mitigation Plans, other plans
 - Geography
 - Demographics
 - Economy and Industry
 - Development Trends
- Historical Planning and Efforts
 - Prior plans
 - Implementation



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Available Data and Information

- *Franklin County – Ten Year Update (2006)*
- *Williamson County – Fifteen-Year Update (2009)*
- *Jefferson County - Year Unknown*

- *Illinois Commodity/Waste Generation and Characterization Study (2015)*
- *Illinois Electronics Recycling Program Report, IEPA (2019)*
- *Illinois Materials Management Advisory Committee Report to the General Assembly (2021)*
- *Illinois Landfill Disposal Report, IEPA (2022, 2023)*

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2021 Landfill Capacity	Disposal Volume Reported (Gate cy)	Disposal Volume (Post-Compaction In-place cy)	Five-Year Average Disposal Volume (In-place cy)	Remaining Capacity Reported (In-place cy)	Lifetime Expectancy (Year)
Region 7: Southern Illinois					
Perry Ridge Landfill Inc.	237,875	228,726	183,364	11,147,038	61
Southern Illinois Regional Landfill Inc.	1,080,051	432,020	436,069	17,693,371	41
Sumner Landfill Inc.	203,054	92,297	94,490	2,715,307	29
West End Disposal Facility	283,513	141,757	139,833	12,059,699	86
Totals:	1,804,493	894,800	853,755	43,615,414	51

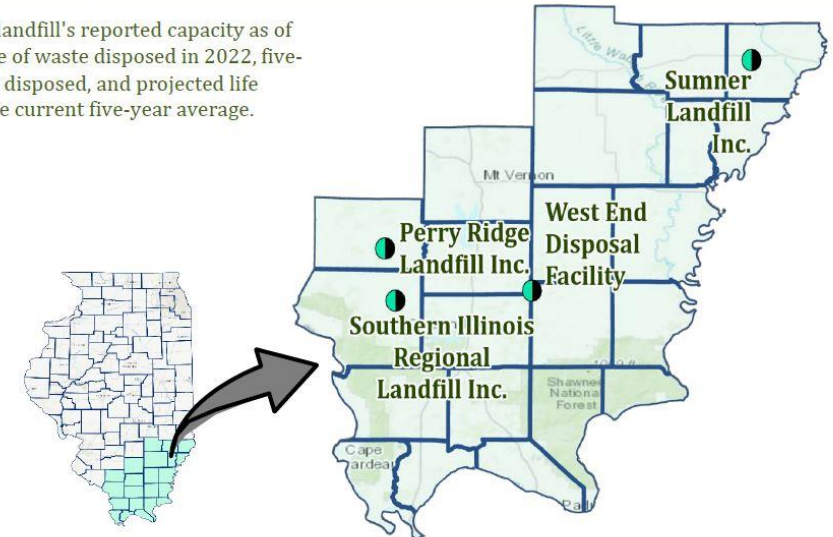
The table reflects each landfill's reported capacity as of January 1, 2022, volume of waste disposed in 2022 year average of volume disposed, and projected life expectancy based on the current five-year average.



2022 Landfill Capacity Information

	Disposal Volume Reported (Gate cy)	Disposal Volume (Post-Compaction In-place cy)	Five-Year Average Disposal Volume (In-place cy)	Remaining Capacity Reported (In-place cy)	Lifetime Expectancy (Year)
Region 7: Southern Illinois					
Perry Ridge Landfill Inc.	242,996	233,650	192,750	10,215,536	53
Southern Illinois Regional Landfill Inc.	1,064,017	425,607	442,357	15,595,041	35
Sumner Landfill Inc.	203,361	92,437	96,304	2,215,574	23
West End Disposal Facility	299,093	149,547	143,436	9,703,820	68
Totals:	1,809,467	901,240	874,847	37,729,971	42

The table reflects each landfill's reported capacity as of January 1, 2023, volume of waste disposed in 2022, five-year average of volume disposed, and projected life expectancy based on the current five-year average.



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- Recycling Guidance
- Waste Collections
- Medication Collection Activities
- Tires
- Composting
- Food Waste
- <https://epa.illinois.gov/topics/waste-management/materials-management.html>

LIVE CHRISTMAS TREE DROP OFF LOCATIONS
Live trees only - please remove ALL decorations!

REND LAKE
• Sugar Creek Park
• Dam West Boathouse
• Jack Branch Boat Ramp

MT. VERNON
• Veteran's Park
• Optimist Park - 900 N. 1st St.

MARION
• Ray Fosse Park - 500 N. 1st St.
• Pyramid Park - 1300 N. 1st St.

ACCEPTED
• Smart devices (Alexa, thermostats, etc.)
• Wi-Fi devices (modems, routers, etc.)
• AC adapters, computers, printers, cables and satellite receivers
• Fax machines, scanners, digital converter boxes, cables and satellite receivers
• Networking equipment, server, base/communications, phones, cell phones, etc.
• Home electronics, air conditioners, humidifiers, blenders, toasters, toasters, etc.
• Home appliances, washing machines, dryers, ovens, etc.
• Video game consoles, digital video disc players/recorders, portable digital music players
• Non-ferrous metals, metal office furniture (metal desk/file cabinets, etc.)
• Car batteries and lead-acid batteries
• Li-ion laptops and cell batteries
• Old motors, non-PCB type ballasts, transformers, and other electrical equipment
• Medical equipment and all types of diagnostic equipment (just to verify equipment)
• Industrial machinery and equipment (including power and gas equipment)
• Electrical, ceiling, communications machinery, and equipment
• VCR, stereo, and audio/video equipment (including cables/batteries)
• CRT, projection, plasma, flat screen, console, TV, and flat screen monitors (fee depends on individual item)
• CRT monitors and flat screen monitors without tower (fee depends on individual item)
• Alkaline batteries (per pound charge) (fee depends on individual item)
• Rechargeable batteries - NiCd, NiMH, Li-ion mixed and Lithium, lithium primary (per pound charge) (fee depends on individual item)
• Dehumidifiers, mini-fridges, refrigerators

NOT ACCEPTED
• Light bulbs
• DVDs, VHS, CDs, or cassette tapes
• Radioactive materials & flammable materials
• Hazardous materials (oil, antifreeze, paint)
• Household smoke detectors
• ie. smoke, gas, or carbon monoxide (fee/price charge will apply)
• Non-electronics (television/office waste/furniture/furniture/insulation/roofing/shirt)
• Explosives, fireworks/ammunition/shells
• Prescription medication, over the counter drugs, or illegal drugs within any equipment
• Devices containing mercury
• Equipment containing asbestos, radioactive components, infectious, or pathological wastes
• Other hazardous materials (pesticides), filters/air bags/leads/mercury switches

MARION RESIDENTS ONLY

Remain in your car while recycling is unloaded by volunteers
Please bag all loose & small recycling items

Greater Egypt Regional Planning and Development Commission, 2023

Data Sources: U.S. Census Bureau, U.S. DOT, U.S. EPA, U.S. Forest Service, USFWS, ISGS

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Information and Messaging

Align with county goals



Public Meetings

Involve public during the planning process



Waste Pickup Events

Coordinated by county or collaborate with local businesses



Residential Survey

Assessment residential solid waste and recycling needs

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- **Management Recommendations**

- Prior Recommendations
- Public Comments
- Advisory Committee Recommendations

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Source Reduction	Comprehensive County-wide education/information programs should be implemented promoting source reduction and recycling.
	Current activities and programs of citizen groups should be intensified and coordinated with other programs.
	Commercial/institutional/industrial generators should seek technical assistance and perform waste audits so as to reduce their waste stream and increase recycling.
	Source reduction (and recycling) programs should be established in all major County, municipal and school facilities.
	County, municipalities and school districts should revise their procurement practices and specifications to promote source reduction and recycling.

Combustion	It does not appear that the development of a WTE facility is currently feasible or desirable in the Greater Egypt Region.
	Incineration is a municipal waste disposal option not recommended at this time due to high development and life cycle costs and regulatory uncertainties.
Landfill	Municipalities and haulers in the County should continue to utilize the Southern Illinois Regional and Saline County landfills unless other more economical or more convenient options become available.
	County should support the development of new landfills or expansions in adjacent counties so as to provide long term capacity and more competitive market conditions, providing that such developments meet all current environmental and fiscal requirements.

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Recycling	Comprehensive County-wide education/information programs should be implemented promoting recycling and source reduction.
	Drop off recycling containers should be established at four to six locations throughout the County.
	At some outlying drop-off locations it may also be desirable to set up MW dumpsters to serve self-haulers and thus minimize opportunities for contamination of the recyclable materials.
	One or more mixed waste processing facilities ("dirty MRF's") should be established in the County to serve areas where curbside programs are not provided. Such facilities would also function as transfer stations. To facilitate material recovery, residents should be asked to put recyclable materials in blue bags.
	An education/information program, promoting commercial/institutional/industrial recycling and source reduction, should be implemented throughout the County
	Recycling (and source reduction) programs should be established in all major County, municipal, school and other local government facilities.
	County, municipalities and school districts should revise their procurement practices and specifications to promote the re-use of recycled materials.
	All business and institutions with more than 100 employees should be required to designate recycling coordinators and phase-in source separation of corrugated, paper and two or three other materials. Depending on program performance, smaller establishments can be phased-in in <i>the</i> future
	Major shopping centers should designate recycling coordinators and be required to provide recycling opportunities for their tenants that result in source separation of corrugated, paper and two or three other materials
	Haulers serving businesses and institutions should be required to collect the source separated materials and make arrangements for processing and marketing

FUTURE PLANNING AND TIMELINE



Survey/ Worksheet Due

April 2024



Draft Release

May 2024



Meeting 4

June 2024



Final Review

August 2024

Thank you!

- <https://greateregypt.org/solid-waste-planning/>
- Minutes to be posted
- Look for additional information request in your email (by mid-February)
 - Residential Survey (March-April)