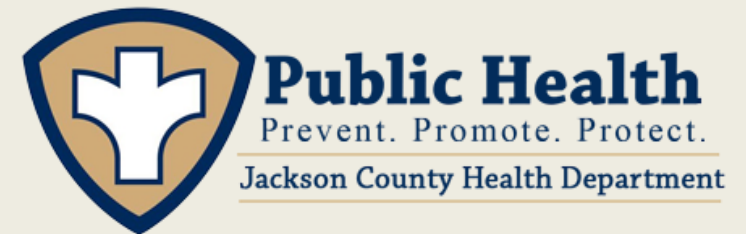


SOLID WASTE AND RECYCLING MANAGEMENT PLAN



*Solid Waste Management Plan Update for
Jackson County*

Meeting 2 – February 6, 2024



AGENDA

Speakers:

Angie Kuehl

Jackson County Health Department

Recycling Coordinator

angiek@jchdonline.org

Tyler Carpenter

Environmental Planning Director

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Kelsey Bowe

Environmental Planner

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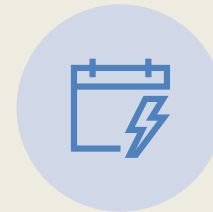
Welcome and
Introductions



Planning Review



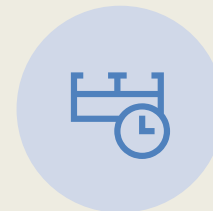
Planning
Process



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- September 26, 2023
- Required Forms
 - Advisory Committee Form
 - Municipal Surveys
- Grant amendments

PLANNING PROCESS/ REQUIREMENTS

County Coordinator

- Jackson County – Angie Kuehl, *Recycling Coordinator*

Advisory Committee

- Meeting attendees, county/city officials
- Others?

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!

Jackson County Solid Waste Management Plan

Questionnaire for municipalities



Name of City/Village:

1) Does your municipality contract for residential trash pick-up? Yes No

If yes, what company and does that contract include curbside recycling?

2) Does your municipality have scheduled yard waste pickup? Yes No

If yes, Does the municipality run the program or do you contract with a private hauling company, and how is the yard waste disposed of?

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

frequency and locations:

4) Does your municipality conduct large waste pickup events or host free dump days? Yes No

frequency and locations:

5) Do you want to expand your dump days with support from JCHD? Check all that apply:

- Tires
- Electronics
- Paint
- Furniture
- Home Construction Waste
- Other _____

PLANNING PROCESS

Waste/Recycling Survey

- Returned
- Not Returned

Municipality	Curbside Trash?	Company?	Curbside Recycling?	Yard Waste Pickup?	Clean-up/Dump Days	Are you interested in creating a food waste composting program?
Ava		Republic	-	-		-
Carbondale		City				
Dowell		Republic		-		-
DeSoto		Republic		-		-
Makanda		Burris		-		-
Vergennes		Republic		-		-

Other waste items that need support or a new program?
Tires
Electronics
Paint
Hazmat
Appliances

Other Issues
Recycling Bin contamination
Please send flyers to village halls when Jackson County hosts large events
Cost of recycling
New recycling drop off sites
Recycling bins in parks needed
Extra staff needed

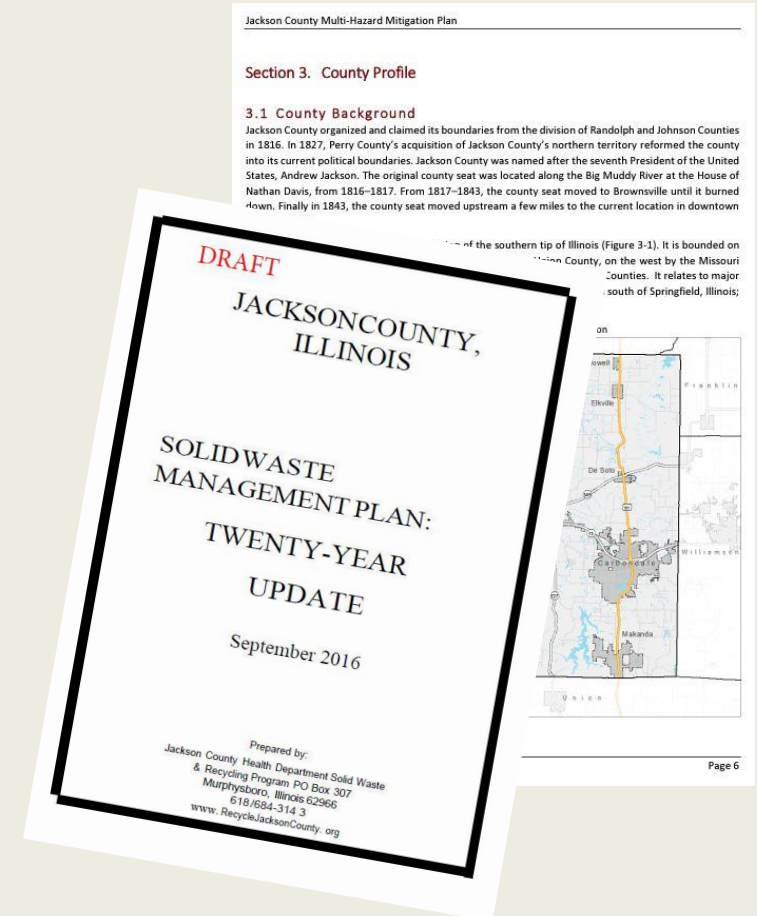
Not Returned
Campbell Hill
Elkville
Gorham
Grand Tower
Murphysboro

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

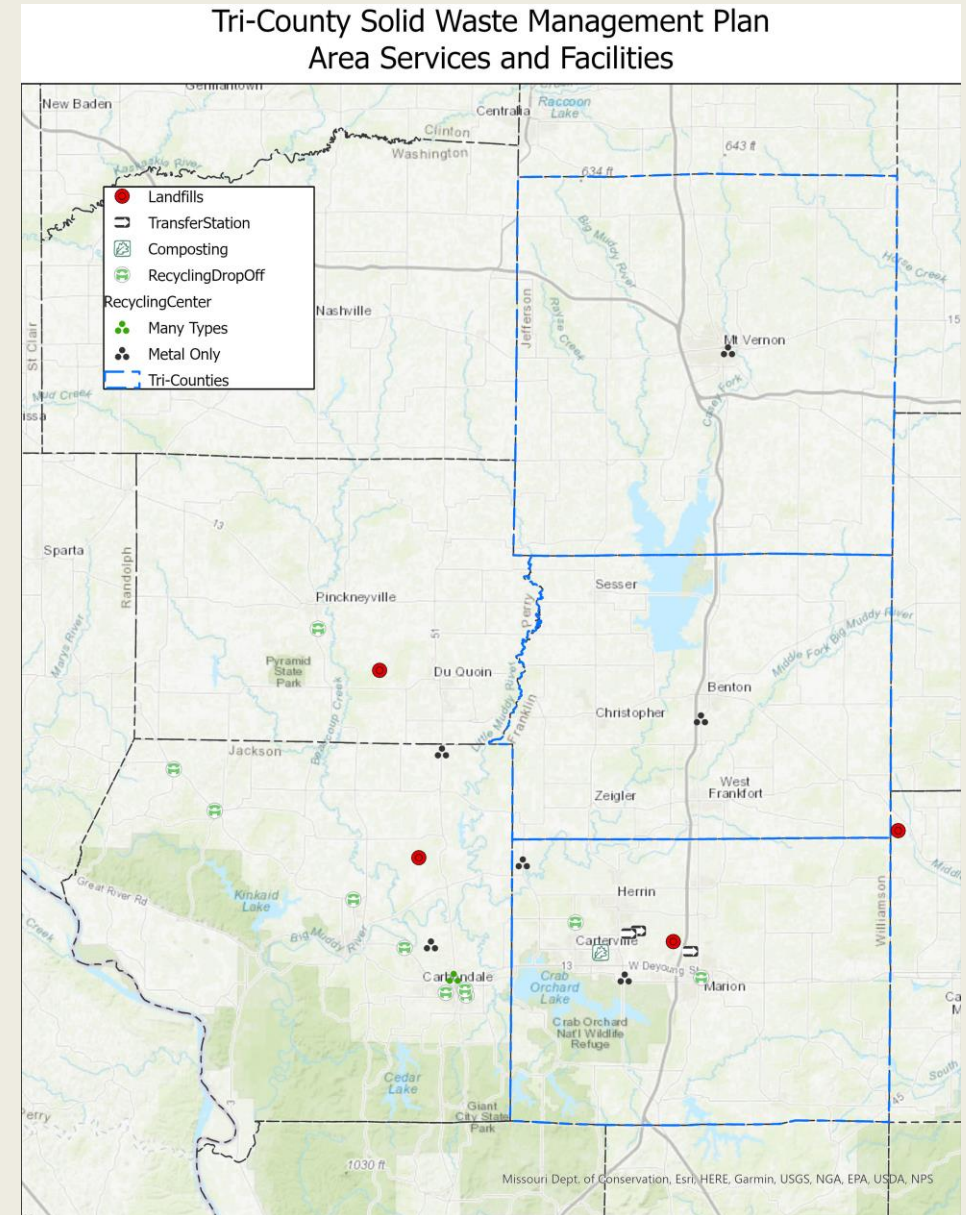


CURRENT PLANNING

Solid Waste Plan Components

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

- Greater Egypt Counties
- All due in September
- Regional Mapping tool



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

Available Data and Information

- *Jackson County Health Department – Twenty Year Update (2016)*
- *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)*

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

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

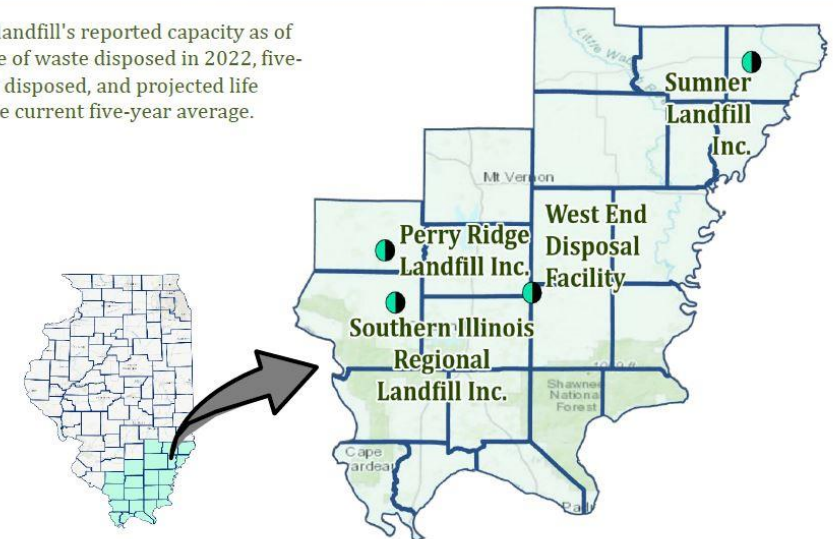
The table reflects each landfill's reported capacity as of January 1, 2022, volume of waste disposed in 2022, year average of volume disposed, and projected life expectancy based on the current five-year average.



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.



CURRENT PLANNING

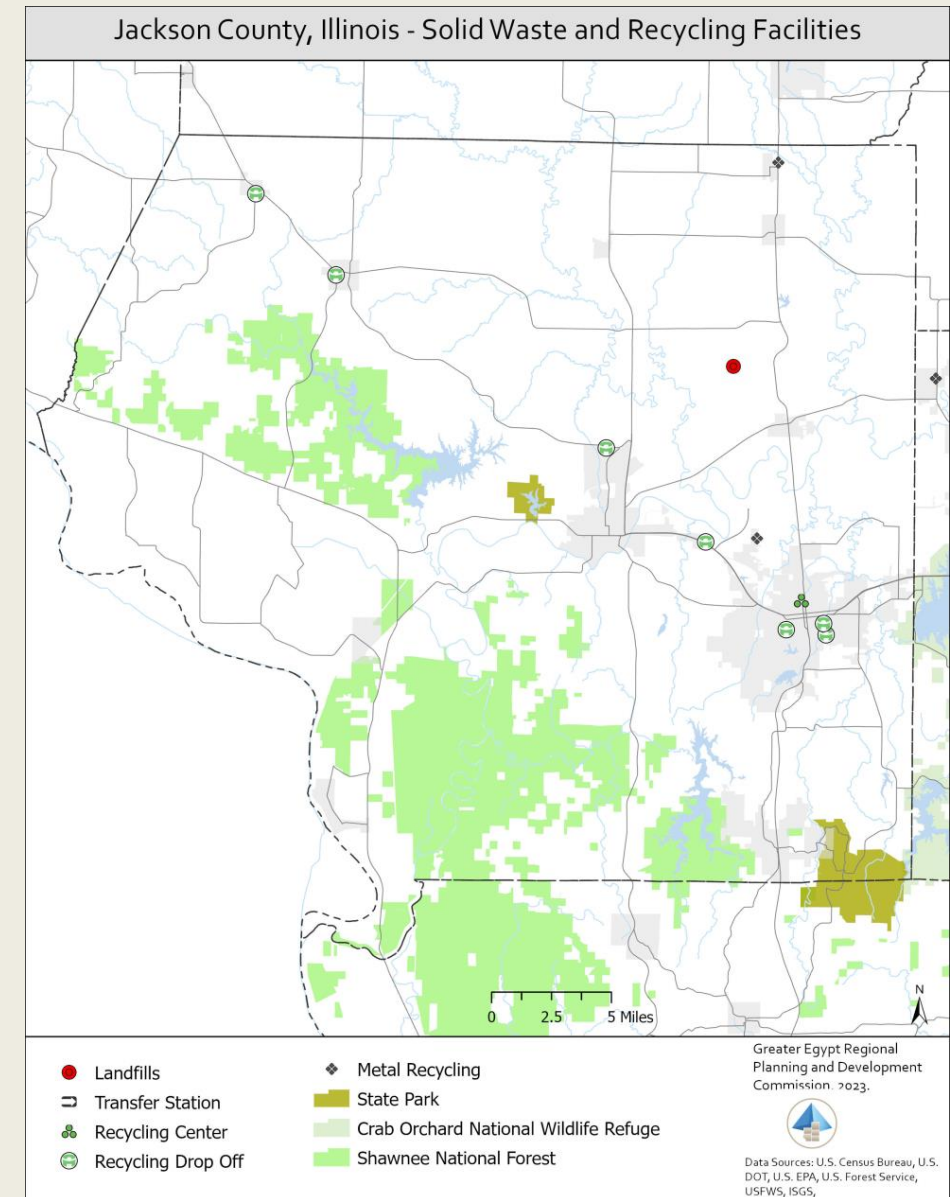
Solid Waste Plan Components

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

- Recycling Guidance
- Waste Collections
- Medication Collection Activities

- Tires
- Composting
- Food Waste

- <https://epa.illinois.gov/topics/waste-management/materials-management.html>



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



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

Assess residential solid waste and recycling needs

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



Jackson County Solid Waste & Recycling Management Plan: Public Survey

Jackson County is updating their Solid Waste & Recycling Management Plan in order to guide waste reduction, recycling, and hauling for the next 20 years. The Plan will help Jackson County effectively manage the solid waste that is expected to be generated with the County. An important part of developing the Plan involves asking for feedback from those who live, work, and play within the County.

Following is a brief survey. Your input is crucial and responses to this survey will help the County consider your needs regarding recycling, composting, and waste disposal.

If you have any questions or problems with the survey, please contact us at angiek@jchdonline.org or call 618-684-3143 ext. 136.

Thank you, in advance, for your participation. Responses are confidential, this survey will not collect your email address.

This Plan will be updated in accordance with 415 ILCS 12 (Solid Waste Hauling and Recycling Program Act) and 415 ILCS 15 (Solid Waste Planning and Recycling Act). This project has been fully funded through the Illinois Environmental Protection Agency (IEPA) Solid Waste Planning Grant Program.

Note this survey is for data collection purposes only to get a snapshot of community needs in Jackson County, JCHD may not have resources/funds available to assist with everything suggested

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**

- Prior Recommendations
- Public Comments
- Advisory Committee Recommendations

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**

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.

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**

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(s)/ 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)