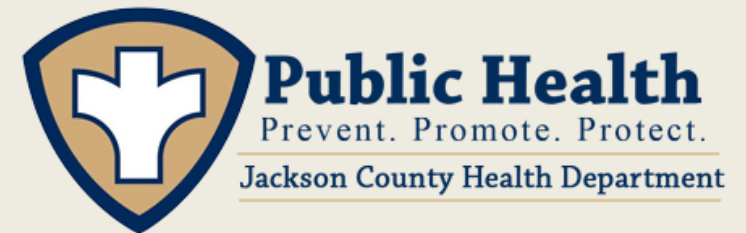


SOLID WASTE AND RECYCLING MANAGEMENT PLAN



*Solid Waste Management Plan Update for
Jackson County*

Meeting 3 – August 22, 2024



AGENDA

Speakers:

Angie Kuehl

Jackson County Health Department

Recycling Coordinator

angiek@jchdonline.org

Tyler Carpenter

Environmental Planning Director

tylercarpenter@greateregypt.org

Kelsey Bowe

Environmental Planning Coordinator

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Welcome and
Introductions



Planning Review



Survey
Responses



Public Education
and Outreach



Management
Measures



Future Planning
and Timeline

PLANNING REVIEW

Meeting 1- September 26, 2023

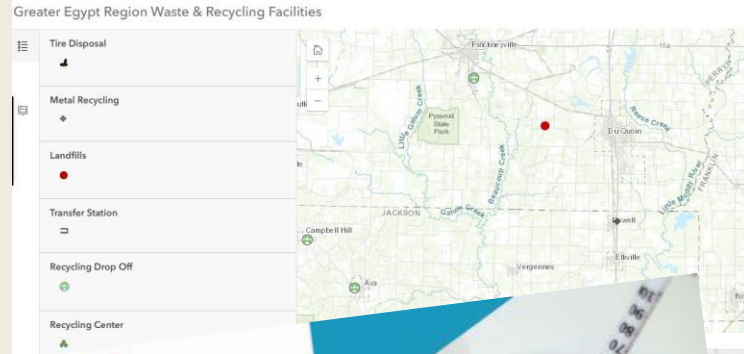
- Required Forms
 - Advisory Committee Form
 - Municipal Surveys
- Grant amendments
- Planning Process

Meeting 2- February 6, 2024

- Participation Requirements
- Planning Components
 - Regional Planning Updates
 - Waste Generation and Composition
 - Materials Management
 - Public Education and Outreach
 - Management Recommendations
- Survey Information
- CRC Recycling Developments

PLANNING REVIEW

- Municipal Involvement
- Public Involvement
- Outreach/Education



Jackson County Sharps Disposal

Free, safe, secure disposal of medical sharps collection containers

ACCEPTED Items

- Needles
- Syringes
- Auto-Injectors (i.e., EpiPen)
- Lancets

NOT Accepted Items

- Prescription medications
- Inhalers
- Liquids
- Aerosol Cans
- Garbage
- Hazardous chemicals or waste

Locations >>

All locations are accessible inside during regular business hours.

- Shawnee Health - Murphysboro**
7 Hospital Dr. Murphysboro, IL 62966
M-F 8:30am - 5:30pm
- Shawnee Health - Carbondale**
400 S. Lewis Ln. Carbondale, Illinois 62901
M-F 8:30am - 5:30pm
- SIU Student Health Services**
374 E Grand Ave. Carbondale, IL 62901
M-F 8am - 4:30pm
- Jackson County Health Department**
415 Health Department Rd. Murphysboro, IL 62966
M-F 8am - 4pm
- Jackson County Ambulance Service**
10169 Old Highway 13 Murphysboro, IL 62966
M-F 8am - 4pm

Free 1.4qt sharps collection containers provided at all locations!

Looking for safe and secure disposal options for prescription medications, inhalers, or sharps? Visit medtakebackillinois.org or call (844) 4-TAKE-BACK or (844) 482-5322.

618-684-3143 ext. 128 | jchdonline.org

Schedule an appointment to drop off unwanted prescription medicine and confidential documents!

SHRED, MED, & SHARPS DISPOSAL DAY

Saturday, September 21 • 8 a.m. - Noon

Jackson County Health Department
415 Health Department Road
Murphysboro, IL, 62966

- Free & Confidential Document Shredding**
- Document shredding provided by S.T.A.R.T.
 - No on-site shredding
 - Limit 2 boxes per person
 - No business waste

- Free & Safe Disposal of Unwanted Medications**
- Prescription and over-the-counter medicines including pills, creams, and patches
 - No liquids or inhalers*

- NEW Sharps Disposal Program**
- Accessible drop-off for sharps containers
 - 1 qt. sharps collection containers available
-

Questions? Visit jchdonline.org or call 618-684-3143 ext. 128.

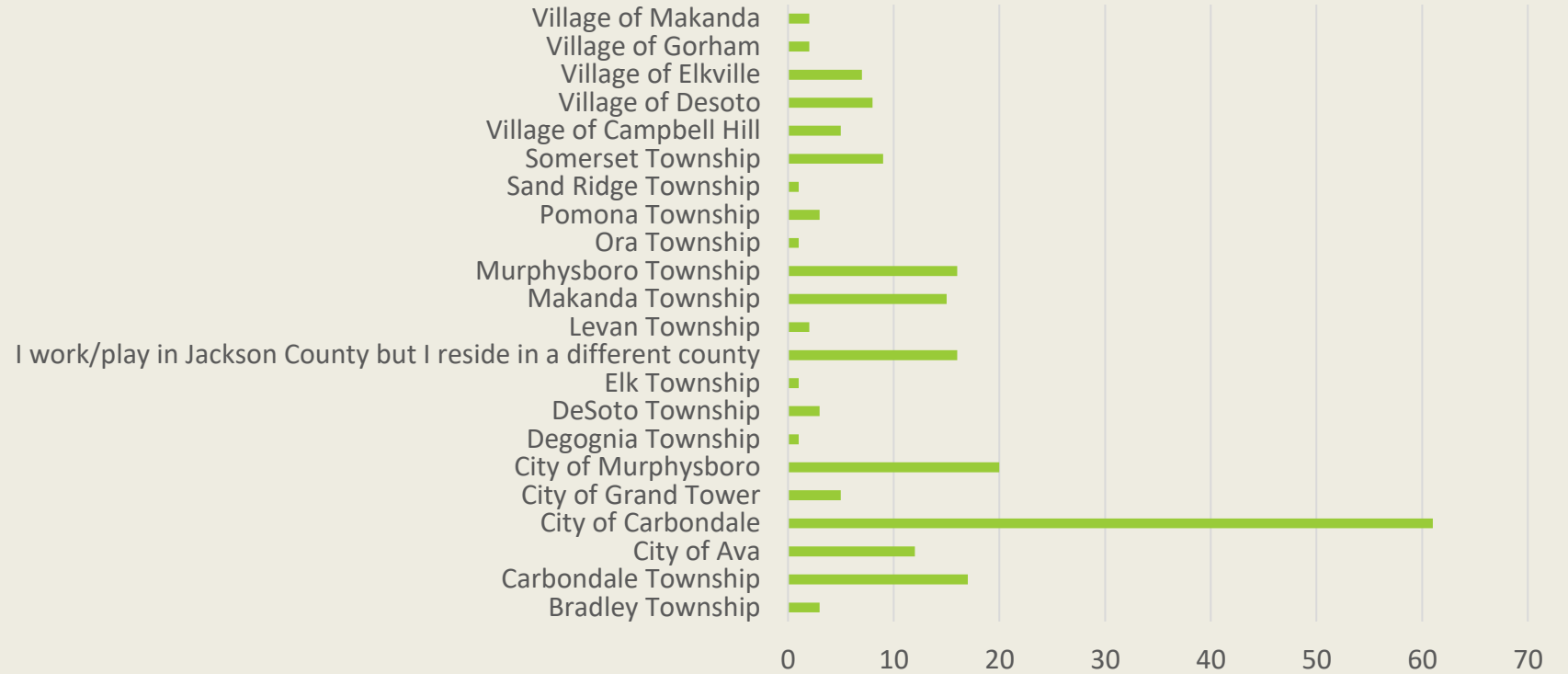
*Visit medtakebackillinois.org for more information about safe and secure mail-back disposal of prescription medicines, inhalers, and sharps.



PLANNING PROCESS: Public Survey

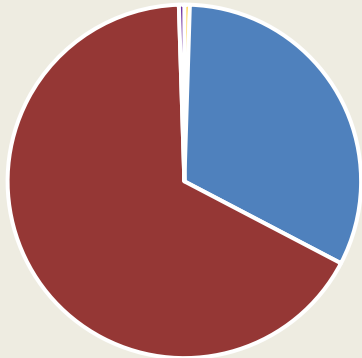
Public Survey

- 210 responses
- **What city, village, or township do you live in?**



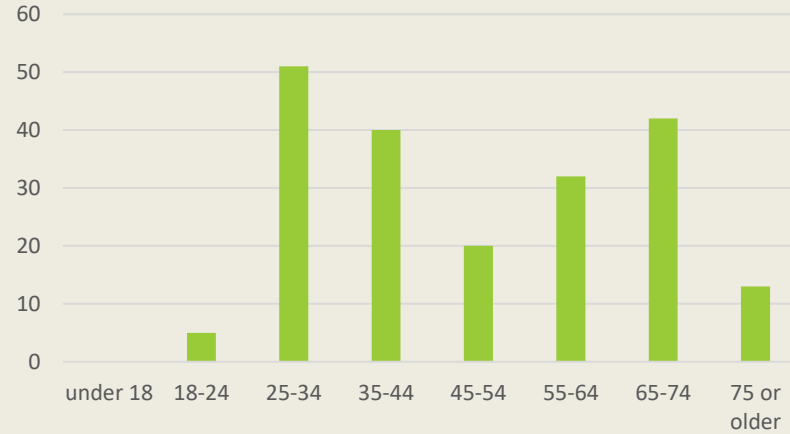
PLANNING PROCESS: Public Survey Demographics

Gender

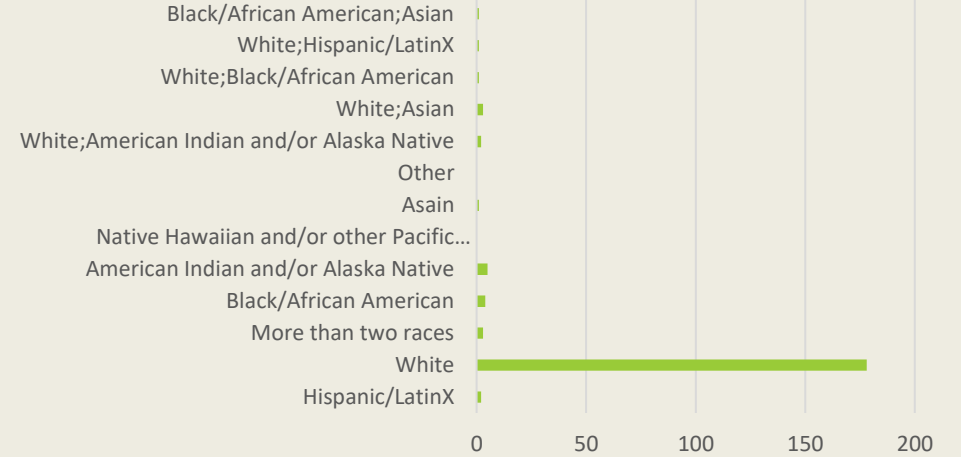


■ Nonbinary
 ■ Man
 ■ Woman
 ■ Other

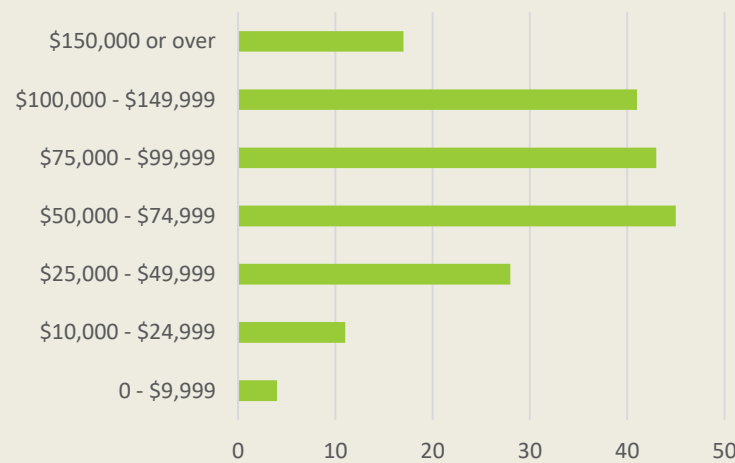
Age



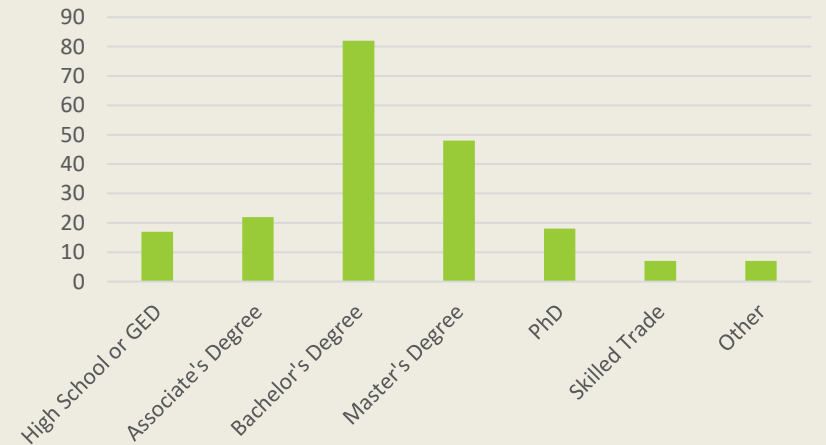
Race



Household Income

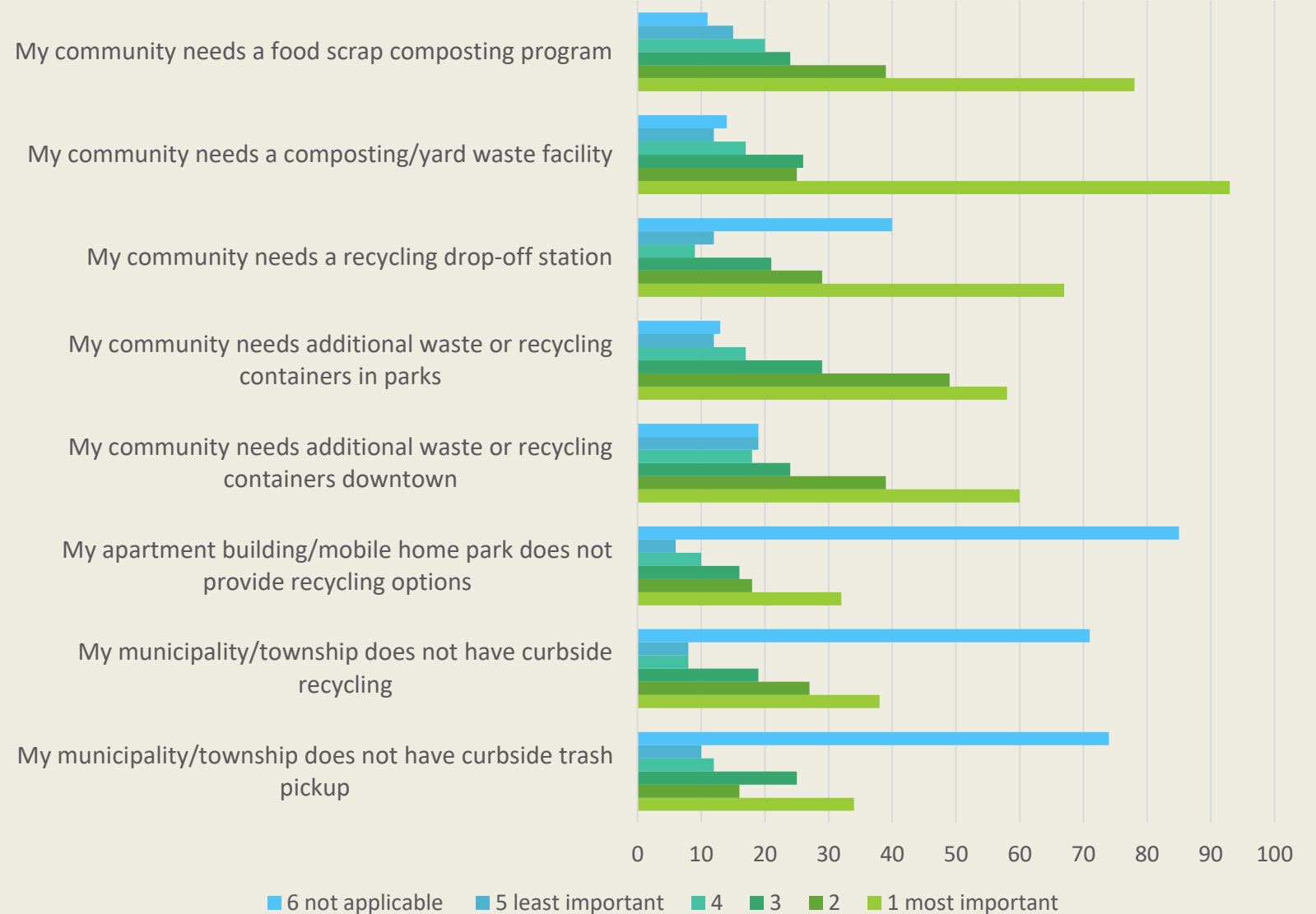


Education Level



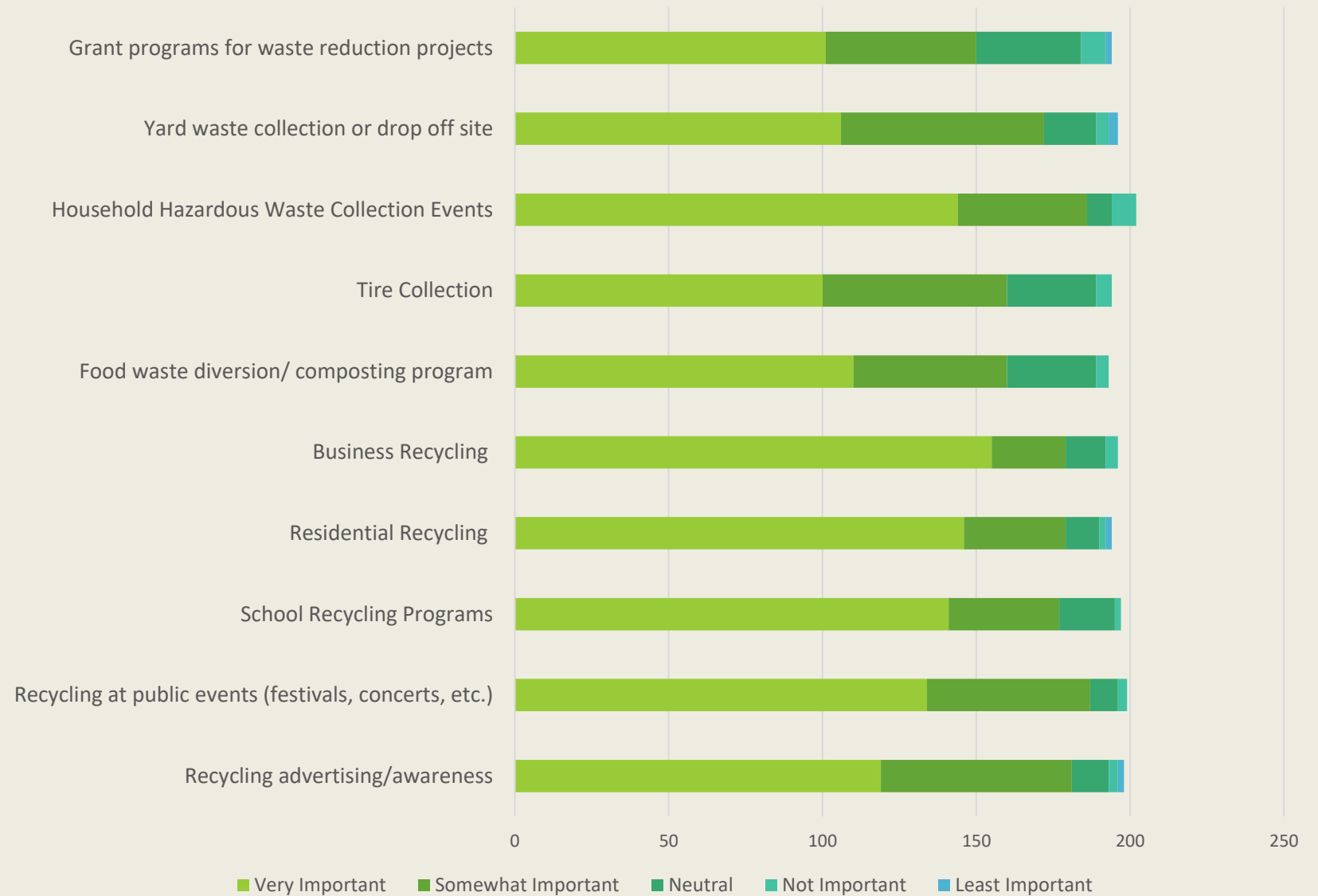
PLANNING PROCESS: Public Survey

- **What do you see as the biggest waste and recycling issues you face within your community in the next 5 – 20 years?**



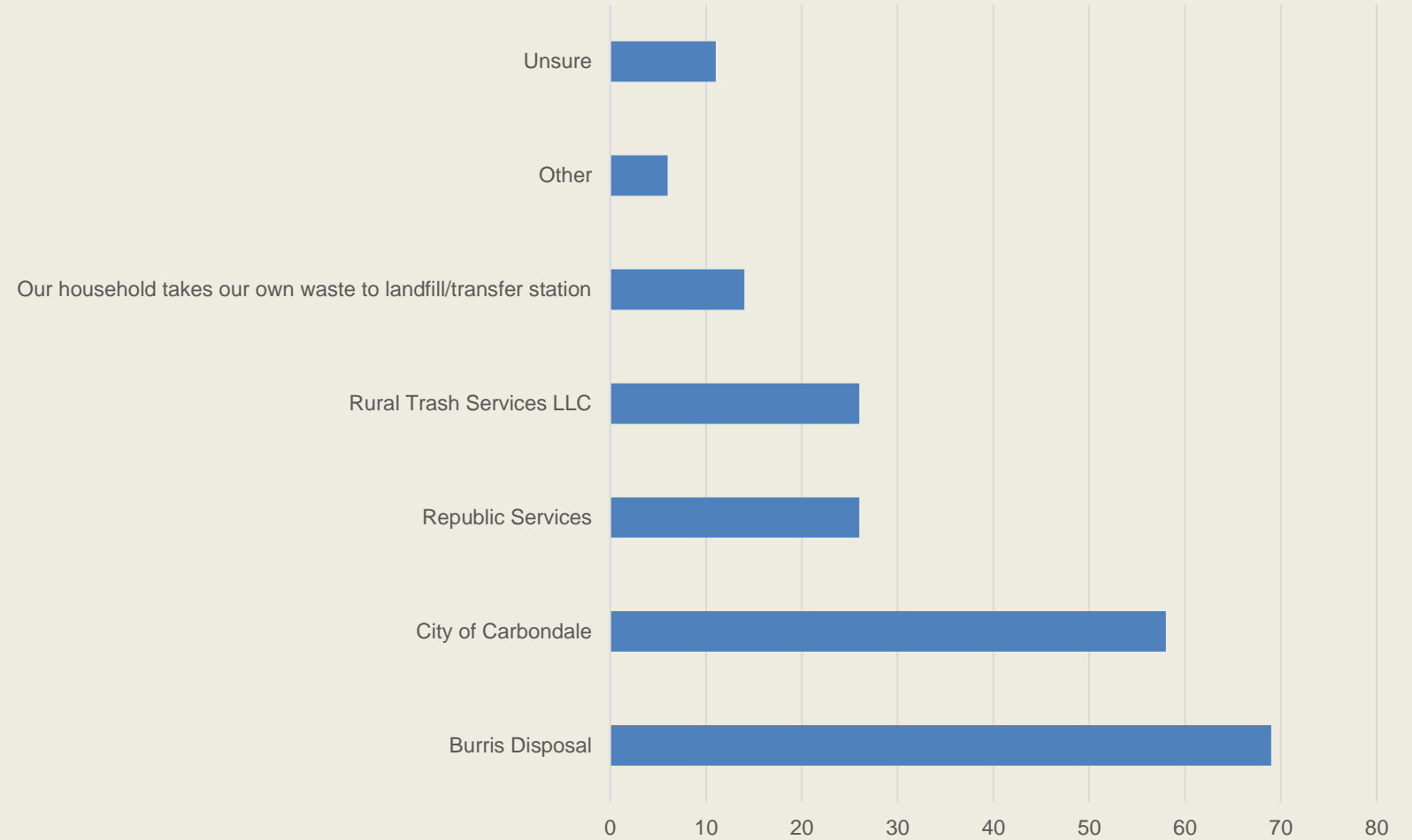
PLANNING PROCESS: Public Survey

- In your opinion, what is the importance of the following potential and existing waste management programs in Jackson County?**



PLANNING PROCESS: Public Survey

- **Who is your waste hauler?**



PLANNING PROCESS: Public Survey

- **Comments**

- *Town clean up days are great and should be done more than one time a year*
- *In my opinion, one of the biggest successes in solid waste and recycling management in Jackson County, Illinois is the high level of public awareness and participation in recycling programs.*
- *I love the many options for drop-off Carbondale has. Also love that other plastics are now accepted*
- *So many places to take items we don't want anymore, from food scraps to clothes.*
- *We are grateful for the annual Somerset Township landfill drop-off day! We also appreciate the recycling center at the county extension office.*
- *I really like the Shred/Med day. Wish it would happen quarterly.*
- *I have heard the new recycling owners are going to take more plastics. That is a big success in my opinion.*

PLANNING PROCESS: Hauler Survey

- Five responses

County	Rural Trash Services LLC	Big Dawg Disposal	Quivey Sanitation, Inc.	Republic Services, Inc.	City of Carbondale
Franklin					
Jackson					
Jefferson					
Perry					
Williamson					

PLANNING PROCESS: Hauler Survey

- **What services do you provide?**

Services	Rural Trash Services LLC	Big Dawg Disposal	Quivey Sanitation, Inc.	Republic Services, Inc.	City of Carbondale
Curbside trash hauling					
Curbside recycling					
Commercial trash					
Commercial recycling					
Rolloff dumpster rentals					
Contract with cities for curbside program (trash					
Contract with cities for curbside program (trash					
Yard waste composting					
Food waste composting					
Restauraunt oil recycling				Bulk Item Pickup customer calls for a one-time pickup for a large item or a larger number of bagged items	yard waste pick up program, leaf vacuum service
other					

PLANNING PROCESS: Hauler Survey

- **Where do you take the waste that you collect?**

Services	Rural Trash Services LLC	Big Dawg Disposal	Quivey Sanitation, Inc.	Republic Services, Inc.	City of Carbondale
Perry Ridge Landfill					
West End Landfill					
Southern Illinois Regional Landfill					
Herrin Transfer Station					
Mt. Vernon Transfer Station					

- **Where do you take the recycling that you collect?**

Location	Rural Trash Services LLC	Big Dawg Disposal	Quivey Sanitation, Inc.	Republic Services, Inc.	City of Carbondale
Southern Recycling (CRC recycling)					
TNT Metal					
Herrin Transfer Station					
Republic Services Recycling Southside MRF					

PLANNING PROCESS: Hauler Survey

- **Where do you take yard waste that you collect?**
- **What are some issues that your company faces?**

Location	Rural Trash Services LLC	Big Dawg Disposal	Quivey Sanitation, Inc.	Republic Services, Inc.	City of Carbondale
New Earth Compost, Carterville	NA	NA	NA		

Issue	Rural Trash Services LLC	Big Dawg Disposal	Quivey Sanitation, Inc.	Republic Services, Inc.	City of Carbondale
Cost of landfill/transfer station disposal					
Cost of recycling					
Lack of transfer stations in the southern Illinois area					
Lack of recycling facilities in the southern Illinois					
Lack of yard waste composting facilities in					
Recycling contamination					
Loss of customers					
Difficult to hire and/or retain staff					
Rural areas difficult to service					
Other (explain)					personnel and mechanical issues

PLANNING PROCESS: Hauler Survey

- If you offer trash hauling but not recycling, what are the reasons preventing your company from providing this service?
- If food waste composting was an option in southern Illinois, is this a service your company could provide hauling for?

Issue	Rural Trash Services LLC	Big Dawg Disposal	Quivey Sanitation, Inc.	Republic Services, Inc.	City of Carbondale
Recycling Obstacle	Plastic recycling is limited to only grade 1 and 2	NA	Recycling is expensive to get rid of	NA	NA

Answer	Rural Trash Services LLC	Big Dawg Disposal	Quivey Sanitation, Inc.	Republic Services, Inc.	City of Carbondale
Yes					
No					
Unsure at this time					

CURRENT PLANNING: Where is local solid waste going?

- **Landfills**

- Perry Ridge – Perry County
- West End – Saline County
- Southern Illinois Regional – Jackson County

- **Transfer Stations**

- Energy
- Herrin
- Mt. Vernon
- Metropolis
- Sparta

- **Yard Waste Composting**

- New Earth Compost - Carterville

CURRENT PLANNING: Where is local solid waste going?

- **Recycling Centers – Various materials**

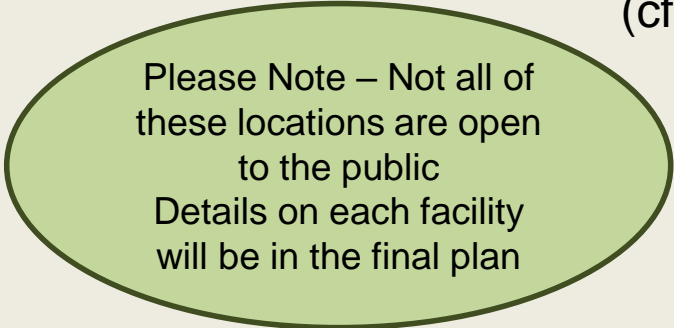
- CRC Southern Recycling – Carbondale
- Southside MRF Recycling Republic Services – St. Louis
- Progress Port - Carterville

- **Recycling Centers - Metal**

- Cimco Recycling – Marion & Carbondale
- T & T Recycling – Hurst & Benton
- Milano Metals & Recycling – Mt. Vernon
- Tilly's Salvage Yard - Elkville

- **Recycling Centers - Specialty**

- Ashalex Recycling – Marion
(commercial construction/demolition waste)
- Midwest Tire Disposal – Benton
- Egyptian Electric Co-Op – Murphysboro
(cfl lightbulbs only)



Please Note – Not all of these locations are open to the public
Details on each facility will be in the final plan

CURRENT PLANNING: What are the barriers and challenges to waste hauling in southern Illinois?

- Cost of disposal
- Cost of recycling
- Lack of recycling facilities
- Lack of yard waste facilities
- **Recycling contamination**
- Difficult to hire/retain staff
- Rural areas difficult to service
- Difficult to maintain equipment
- Plastic recycling capabilities limited to #1 & #2
- Little interest in hauling food waste even if a composting facility existed



Public Outreach and Education

All Year - Annual Event – Biannual Event – Infrequent

- Medical Sharps Disposal
- Chemical Collection
- Holiday Lights Collection
- Pumpkin Smash
- Shred/Med Day
- Rain Barrel/Compost Bins
- Egyptian Area Agency on Aging – Shredding Event – September 13, Apple Fest
- Paint Swap Events

Public Outreach and Education

- Reusables at Food Service Entities

Other Illinois/IEPA Legislation:

- HB1837 – Burning of Landscape waste changes in the IEPA Act
- SB3686 – Battery stewardship program – IEPA
- SB2876 – Large Event facilities required to compost organic waste and transfer recyclables
- SB 0839 – IEPA Act & Paint stewardship – postconsumer paint options

Management Measures

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

Management Measures

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.

Management Measures

- Expand management ideas
- School District Programs
 - New bins for schools
 - Hauler Services
- New Facilities?

FUTURE PLANNING AND TIMELINE



Meeting 4 (if needed)

October/September



Plan Draft to Planning Members

October



Final Review/ Draft to IEPA

November



Submit Final Draft to IEPA

December

Thank you!

- <https://greateregypt.org/solid-waste-planning/>
- Minutes to be posted