HANDOUT ELUC Meeting 06/09/22

Re: New Business To Receive and place on File by ELUC to Allow a 60-Day Review Period

VII-A. Proposed Champaign County Solid Waste Management Plan 2022 Update (CCSWMP 2022 Update)

This Handout provides the following new content to the CC SWMP 2022 Update, Final Draft dated 6/9/2022

- Executive Summary
- Appendix F Resident Survey Summary
- Appendix I Schedule for Implementing Recommendations

The revised <u>CC SWMP 2022 Update</u>, <u>Final Draft dated 6/9/2022</u> is available in PDF form online at the Champaign County <u>Department of P&Z webpage</u>.

Attachments:

- 1) Executive Summary
- 2) Appendix F Resident Survey Summary
- 3) Appendix I Schedule for Implementing Recommendations

Executive Summary

Highlights of the Champaign County Solid Waste Management Plan 2022 Update include:

❖ Background regarding solid waste management planning in Champaign County

Section 1 provides the historical context of solid waste management planning in Champaign County, beginning in 1976 to the present. Early cooperative intergovernmental efforts included formation of the Intergovernmental Solid Waste Disposal Association, established in 1986 and developed to implement these goals:

- Develop aggressive recycling efforts, including curbside collection.
- Operate a yard waste reclamation site.
- Explore means of diverting small quantity hazardous waste and household hazardous waste from the waste stream.
- Develop a state-of-the-art regional landfill.
- Pursue resource recovery technologies.

Within a few years, the ISWDA lost its original authority to operate, and its power to implement the goals noted above became severely limited. The ISWDA eventually dissolved in 1998. During this period, it became clear that siting of a landfill in Champaign County would not be supportable, and that flow control restrictions on waste haulers to take their solid waste to a county-operated landfill and transfer station would not be implemented.

Waste hauling services continue to be provided by the private sector in urbanized areas of Champaign County. The larger municipalities in Champaign County have requirements regarding provision of curbside trash and recycling pickup. The Village of Rantoul has a franchise agreement with its waste hauler.

Most early goals have been realized to some extent, although not without certain problems that regularly resurface (e.g., several waste haulers operating the same route areas; lack of funding from landfill tipping fees to support and implement countywide recycling programs.) One early goal not yet addressed adequately is: "Explore means of diverting small quantity hazardous waste and household hazardous waste from the waste stream."

Status of recycling in Champaign County

Sections 2 and 3 note progress and barriers toward implementing the CCSWMP 2017 Update recommendations. Recycling is not mandatory in unincorporated Champaign County, and residents, businesses, and institutions are free to choose whether to participate in a recycling program.

Champaign County covers nearly 1,000 square miles. Many rural residents of Champaign County, especially those in outlying areas away from municipalities, do not have access to a trash or recycling pick-up services. Some of these residents provided their comments in the Resident Survey (see Appendix F), expressing their frustrations. Only one public recycling drop-off station is presently available in Champaign County. Three limited service recycling stations are available specifically to residents of Ogden Township, South Homer Township, and Philo Township.

Notable is that the recycling services available to Champaign County government buildings and employees can be significantly improved. Presently many county employees do not have sufficient guidance, motivation or support to recycle basic office materials such as paper, cardboard, bottles, or cans, or ink printer cartridges.

Section 4 includes information about the estimated 'capture rate' of 37% which can be considered an estimated recycling rate, for the Champaign County residential waste sector.

❖ Provisions regarding new development or expansion of pollution control facilities.

Section 5 includes recommendations regarding the pollution control facilities to be allowed in Champaign County. Types of pollution control facilities considered as not consistent with the CCSWMP 2022 Update are: landfills and mass burn incinerators or thermal or chemical conversion facilities such as gasification pollution control facilities.

The CCSWMP 2022 Update requires a Host Community Benefit Agreement for a new or expanded waste transfer station (with some exceptions noted) and for a new or expanded waste-to-energy through biological conversion pollution control facility.

Summary of critical recommendations.

Section 7 contains a summary of the Champaign County Material Management Goals and Recommended Strategies. Appendix I is a Schedule for Implementing the Recommended Strategies.

High Priority Goals and Recommendations:

T-1	Publicize information about material reduce, reuse, recycle options in Champaign County.
0-3	Review Champaign Ordinances to consider pre-/post-consumer food compost land uses.
NT-1	Support convenient and consistent collection options for household hazardous waste and recycling or residents' electronics items.
NT-3	Encourage development of improved recycling options for batteries, unwanted medications, pharmaceuticals, and sharps.

Medium Priority Goals and Recommendations:

T-1	Improve trash disposal options and recycling drop-off options for outlying rural residents.
T-3	Support initiatives that discourage the use of single-use plastics.
T-4	Encourage development of separate source glass bottle/container drop-offs or collection services.
0-1	Promote "greenscaping" and home management of leaves, yard trimmings and brush.
0-2	Evaluate Champaign County restrictions on the open burning of landscape waste to encourage composting of leaves and landscape trimmings and brush.
NT-2	Promote increased recycling of construction and demolition debris.

Summary of Resident Survey Results

The responses to survey questions 1 through 13 are summarized below. Additional details and specific comments provided as responses to the Resident Survey start on Page F-6.

1. How much emphasis does your household place on recycling?

Of the 88 respondents,

9% ... We don't recycle and are not interested.

3% ... We don't recycle, but plan to begin.

28% ... We recycle some of the time.

60% ... We recycle most of the time.

2. Do you or other members of your household currently do any of the following?

The top two recycling activities indicated were:

'Recycle plastic bags' and 'Recycle electronics items such as computers, televisions, printers.'

3. Compared to five years ago, how would you describe the frequency of your recycling activities?

Of the 88 respondents,

55% indicated they recycle approximately the same amount,

30% indicated they recycle more frequently or somewhat more frequently, and

12.5% indicated they recycle less frequently.

4. What prevents you from recycling or recycling more than you currently do? (check all that apply)

Of the 86 respondents,

32 responded... Curbside recycling is not available.

29 responded... Nothing, I recycle everything possible.

25 responded... I do not know where to find recycling information.

23 responded ... 'Other' Refer to p. F-7 for comments listed.

22 responded ... Recycling takes up too much room.

18 responded ... It is too much work or not physically able.

9 responded ... Inconvenient locations and times.

3 responded ... I do not know where to take materials.

3 responded ... Recycling takes too much time.

1 responded ... I do not think it is necessary to recycle.

1 responded ... I do not know what I can recycle.

5. Do you or other members of your household currently do any of the following to reduce the amount of trash you throw away (i.e., waste reduction)? [Check all that apply.]

From 89 respondents, the top three responses were:

85 responded ... Donate clothing and household items.

82 responded ... Keep items (vehicles, lawn equipment, appliance, etc.) well-maintained to avoid repair and replacement.

75 responded ... Use durable cups, plates, and utensils instead of disposables.

6. How willing are you to subscribe to a food scrap curbside collection program?

Of the 87 respondents,

17 were ... Very willing

10 were ... Somewhat willing

21 were ... Not willing

21 indicated 'Don't know/Not sure'

18 indicated 'Not applicable'

7. How willing are you to bring food scrap from your residence to a food scrap collection drop off?

Of the 85 respondents,
51 were 'Not willing'
21 indicated 'Don't Know/Not sure'
10 were 'Somewhat willing' and
3 were 'Very willing'

8. How willing are you to pay for trash services based on the amount of trash you set out for disposal, similar to other utilities like water and electricity?

Of the 84 respondents,

30 were 'Very willing'
24 were 'Somewhat willing'
17 indicated 'Don't Know/Not sure'
13 were 'Not willing'

9. Please rate your agreement with the following statements.

• I am willing to help pay the costs to provide alternatives to landfill disposal, such as curbside food scrap collection for composting.

Strongly Neutral: Disagree: Strongly Don't Know: Agree: 17% Agree: 21.5% 20.4% 13.6% Disagree: 15.9% 11.3%

• I am supportive of my city or county arranging my residential trash and recycling service.

StronglyNeutral:Disagree:StronglyDon't Know:Agree: 30.7%Agree: 18.2%12.6%6.8%Disagree: 10.2%12.5%

• I support public policies that lead to improved waste reduction and reuse.

StronglyNeutral:Disagree:StronglyDon't Know:Agree: 40.9%Agree: 32.9%12.5%noneDisagree: 4.5%9.1%

• I support public policies that lead to improved recycling programs.

StronglyNeutral:Disagree:StronglyDon't Know:Agree: 47.2%Agree: 33.7%12.4%noneDisagree: 3.4%3.4%

10. Please indicate how active of a role local government should take in each of the following.

Educate residents about the importance of waste reduction and recycling.

Leadership Role: 62.8% Supportive Role: 26.7% No Role: 10.5%

Support the development of comprehensive waste reduction and recycling programs.

Leadership Role: 55.8% Supportive Role: 31.4% No Role: 12.8%

Inform residents and businesses about existing programs and services.

Leadership Role: 68.2% Supportive Role: 22.3% No Role: 9.4%

Develop progressive programs to expand waste reduction and recycling in your community.

Leadership Role: 58.1% Supportive Role: 27.9% No Role: 13.9%

11. Please rate how supportive you would be of your city or county implementing the following policies to help reduce waste from landfills.

Of the 85 respondents,

• Mandatory recycling for residents

Very Supportive: 33.3% Somewhat Supportive: 33.3% Not Supportive: 33.3%

• Mandatory recycling for businesses and institutions

Very Supportive: 50% Somewhat Supportive: 23.8% Not Supportive: 26.2%

• Mandatory recycling for construction and demolition projects

Very Supportive: 57.1% Somewhat Supportive: 25% Not Supportive: 17.9%

• Mandatory recycling for apartment complexes

Very Supportive: 44.1% Somewhat Supportive: 35.7% Not Supportive: 20.2%

• Pay-As-You-Throw (i.e., each resident pays for the amount of trash set out at curb for disposal)

Very Supportive: 42.4% Somewhat Supportive: 31.8% Not Supportive: 25.9%

Continued on Next Page

12. Please rate your satisfaction with the availability of the following types of services in the community where you live.

A.	. Availability of trash collection service						
	Very Satisfied 39.5%	Satisfied 40.7%	Neutral 11.1%	Dissatisfied 2.5%	Very Dissatisfied 3.7%	Don't Know 2.5%	Total 81
B.	Recycling collect	ion or access t	o a public recy	cling drop off			
	Very Satisfied 21.5%	Satisfied 20.3%	Neutral 13.9%	Dissatisfied 22.8%	Very Dissatisfied 16.5%	Don't Know 5.1%	Total 79
C.	Landscape waste	collection					
	Very Satisfied 15.2%	Satisfied 21.5%	Neutral 30.4%	Dissatisfied 15.2%	Very Dissatisfied 1.3%	Don't Know 16.5%	Total 79
D.	Food scrap comp	osting options	3				
	Very Satisfied 0%	Satisfied 1.3%	<i>Neutral</i> 42.3%	Dissatisfied 11.5%	Very Dissatisfied 5.1%	Don't Know 39.7%	Total 78
E.	Glass bottle/cont	tainer recyclin	g				
	Very Satisfied 21.3%	Satisfied 20%	Neutral 10%	Dissatisfied 17.5%	Very Dissatisfied 21.3%	Don't Know 2.5%	Total 80
F.	Household Hazai	dous waste co	llection				
	Very Satisfied 5.1%	Satisfied 17.7%	Neutral 24.1%	Dissatisfied 27.9%	Very Dissatisfied 11.4%	Don't Know 13.9%	Total 79
G.	Used tire collect	ion					
	Very Satisfied 2.5%	Satisfied 8.8%	Neutral 25%	Dissatisfied 16.3%	Very Dissatisfied 10%	Don't Know 27.5%	Total 80
Н.	H. Safe disposal options for old unused medications						
	Very Satisfied 12.5%	Satisfied 35%	Neutral 30%	Dissatisfied 8.8%	Very Dissatisfied 2.5%	Don't Know 11.3%	Total 80
I.	Appliance dispos	al/recycling					
	Very Satisfied 6.3%	Satisfied 18.8%	Neutral 28.8%	Dissatisfied 13.8%	Very Dissatisfied 10%	Don't Know 22.5%	Total 80
J.	Bulky items pick	up services					
	Very Satisfied 5.1%	Satisfied 16.5%	Neutral 25.3%	Dissatisfied 22.8%	Very Dissatisfied 5.1%	Don't Know 25.3%	Total 79

Continued

K.	Agricultural chemicals collection						
	Very Satisfied 1.3%	Satisfied 8.8%	Neutral 27.5%	Dissatisfied 7.5%	Very Dissatisfied 3.8%	Don't Know 51.3%	Total 80
L.	Community/neighborhood clean-up days						
	Very Satisfied 3.8%	Satisfied 17.7%	Neutral 34.2%	Dissatisfied 10.1	Very Dissatisfied 5.1%	Don't Know 29.1%	Total 79
M.	Electronics waste	collection (te	levisions, com	puters, etc.)			
	Very Satisfied 11.3%	Satisfied 23.8%	Neutral 16.3%	Dissatisfied 30%	Very Dissatisfied 8.8%	Don't Know 10%	Total 80
N.	Carpet recycling						
	Very Satisfied 2.5%	Satisfied 3.8%	Neutral 28.8%	Dissatisfied 7.5%	Very Dissatisfied 5%	Don't Know 52.5%	Total 80
0.	Mattress and box	spring recycli	ng				
	Very Satisfied 3.8%	Satisfied 7.6%	Neutral 24.1%	Dissatisfied 16.5%	Very Dissatisfied 10.1%	Don't Know 38%	Total 79
P.	Household battery recycling						
	Very Satisfied 10.1%	Satisfied 24.1%	Neutral 15.2%	Dissatisfied 19%	Very Dissatisfied 12.7%	Don't Know 19%	Total 79
Q.	Safe disposal options for medical sharps/needles						
	Very Satisfied 11.3%	Satisfied 20%	Neutral 23.8%	Dissatisfied 10%	Very Dissatisfied 0%	Don't Know 35%	Total 80

13. Referring to the list in Question **12** above, which THREE services would you MOST LIKE to see offered or expanded in the community where you live? [Enter your selected TOP THREE services below using the letter shown for each item in Question 12.]

Summary of **top three services** selected by 77 – 79 survey respondents:

B. Selected by 27 respondents: Recycling collection or access to a public recycling drop off

M. Selected by 24 respondents: **Electronics waste collection (televisions, computers, etc.)**

F. Selected by 21 respondents: Household Hazardous Waste Collection

Schedule for Implementing Recommendations

Traditional Material Diversion Efforts: Goals and Programs Recommendations

Publicize information about material reduce, reuse, and recycle options in Champaign County	Priority: High		
(1) Provide clear guidance about office recycling procedures and sufficient conveniently located recycling containers to all Champaign County employees to allow for the convenient recycling of office paper, cardboard, can, and bottles.	Status New	Responsible Party:County SWM Coordinator/Recycling Coordinator Funding Source: Champaign County SWM Fund to accommodate the County's fair-share of annual operational support for a HHW collection facility or for once annual one-day HHW collection. Suggested Timeframe: Collection facility: within 2 years of Champaig County Board approval of SWMP 2022 Update.	
(2) Consider a Champaign County policy that requires County employees to recycle office paper, cardboard, cans, and bottles.	Status New	Responsible Party:County SWM Coordinator/Recycling Coordinator Funding Source: County SWM Fund, federal, state, local, or grant Suggested Timeframe: within 2 years of Champaign County Board approval of SWMP 2022 Update.	
(3) Encourage regional or local recycling efforts initiated by municipalties or by private or non-profit groups and encourage education efforts made by such groups.	Status Ongoing	Responsible Party: County SWM Coordinator/Recycling Coordinator Funding Source: County SWM Fund Suggested Timeframe: Ongoing	
(4) Support maintenance of a website that provides comprehensive and timely information and resources to Champaign County residents, businesses, and institutions about material reuse options, recycling opportunities, and material collection events. The website can promote State of Illinois recycling guidelines and other educational guidelines to reduce recycling contamination.	Status Ongoing	Responsible Party:County SWM Coordinator/Recycling Coordinator Funding Source: County SWM Fund Suggested Timeframe: Ongoing	
Improve trash disposal options and recycling drop-off options for outlying rural reside	Priority: Medium		
(5) Support the development of additional recycling drop-off centers for public use in Champaign County.	Status New	Responsible Party:County SWM Coordinator/Recycling Coordinator Funding Source: Federal, state, local or grant Suggested Timeframe: prior to 2026	
Support initiatives that discourage the use of single-use plastics.		Priority: Medium	
(6) Conduct an educational campaign to promote minimizing the use of single-use plastics.	Status Ongoing	Responsible Party:County SWM Coordinator/Recycling Coordinator Funding Source: Federal, state, local or grant Suggested Timeframe: prior to 2026	

	Schedule for Implementing Recommendations		Appendix I
	(7) Advocate for "extended producer responsibility" (EPR) legislation and programs, e.g., through participating in Product Stewardship Councils and/or adopting local resolutions.	Status Ongoing	Responsible Party:County SWM Coordinator/Recycling Coordinator Funding Source: Federal, state, local or grant Suggested Timeframe: prior to 2026
T-4	Encourage development of separate source glass bottle/container drop-offs or collection services.	Priority: Medium	
	(8) Support the development of separate source glass bottle/glass container recycling program in Champaign County.	Status New	Responsible Party:County SWM Coordinator/Recycling Coordinator Funding Source: Federal, state, local or grant Suggested Timeframe: prior to 2026
Orga	nics Material Diversion Efforts: Goals and Recommended Strategies		
0-1	Promote "greenscaping" and home management of leaves, yard trimmings, and brush.		Priority: Medium
	(1) Add a "green infrastructure" webpage to the Champaign County solid waste management website to educate landowners and tenants about the benefits of green infrastructure and green housekeeping in minimizing the volume of storm water runoff and pollutants from existing privately owned developed property.	Status New	Responsible Party:County SWM Coordinator/Recycling Coordinator Funding Source: Federal, state, local, or grant Suggested Timeframe: prior to 2026
	(2) Add a "sustainable lawn care" webpage to the Champaign County solid waste management website to education landowners and tenants about the water quality impacts of overuse of fertilizers and pesticides in non-agricultural uses.	Status New	Responsible Party:County SWM Coordinator/Recycling Coordinator Funding Source: Federal, state, local, or grant Suggested Timeframe: prior to 2026
	(3) Promote backyard composting programs with subsidized compost bin sales and/or workshops.	Status New	Responsible Party:County SWM Coordinator/Recycling Coordinator Funding Source: Federal, state, local, or grant Suggested Timeframe: prior to 2026
	(4) Co-sponsor seasonal composting events such as pumpkin collection and Christmas tree composting.	Status New	Responsible Party:County SWM Coordinator/Recycling Coordinator Funding Source: Federal, state, local, or grant Suggested Timeframe: prior to 2026
0-2	Evaluate Champaign County restrictions on the open burning of landscape waste to end and landscape trimmings and brush.	eaves Priority: Medium	
	(5) Update the Champaign County Public Nuisance Ordinance as needed, to ensure compatibility with state regulations.	Status Ongoing	Responsible Party:County SWM Coordinator/Recycling Coordinator Funding Source: Champaign County Dept of Planning & Zoning Suggested Timeframe: prior to 2026
0-3	Review Champaign County Ordinances to consider pre/post consumer food compost land uses and landscape trimmings and brush compost land uses.		Priority: High

	Schedule for Implementing Recommendations		Appendix
(6)	Update the Champaign County Zoning Ordinance and the Champaign County Pollution Control Facility Siting Ordinance, as may be needed, to allow for county review and potential development of food scrap composting facilities, wood chip recycling facilities, anarobic digestion facilties, and public drop-off locations for food scraps.	Status Ongoing	Responsible Party:County SWM Coordinator/Recycling Coordinator Funding Source: Champaign County Dept of Planning & Zoning Suggested Timeframe: prior to 2025
n-Traditi	ional Material Diversion Efforts: Goals and Programs Recommendations		
	port convenient and consistent collection options for household hazardous te and recycling of residents' electronics items.		Priority: High
(1)	Provide a fair-share portion of annual support for the operation of a fixed HHW collection facility in Champaign County, once such facility is established. Until a fixed facility is established, continue to provide a fair-share portion of support for an annual IEPA-sponsored One-Day HHW Collection.	Status New (collection facility) Ongoing (one-day collection)	Responsible Party:County SWM Coordinator/Recycling Coordinator Funding Source: Champaign County SWM Fund to accommodate the County's fair-share of annual operational support for a HHW collection facility or for once annual one-day HHW collection. Suggested Timeframe: Collection facility: within 2 years of Champaign County Board approval of SWMP 2022 Update.
(2)			Decreasible Destructions (CM/M Coordinates/Decreation Coordinates
	Continue to opt-in annually for Champaign County and municipalities in Champaign County to participate in the Illinois CERA Program. Provide a fair-share portion of support to cover operational costs for either bi-annual Residential Electronics Collection events held at a host site (e.g., Parkland College); or a permanent collection site for residential electronics collection in Champaign County, once such permanent collection site is established.	Status Ongoing (one-day collections) New (permanent collection site)	Responsible Party:County SWM Coordinator/Recycling Coordinator Funding Source: Champaign County SWM Fund to accommodate County's fair-share off annual operational support for a REC Program Collection Site or for biannual REC events. Suggested Timeframe: REC Program Collection Site: within 2 years of Champaign County Board approval of SWMP 2022 Update.
2 Pro	mote increased recycling of construction and demolition debris.		Priority: Medium
(3)	Publicize information about existing C&D processing facilities in Champaign County and promote C&D recycling.	Status New	Responsible Party: County SWM Coordinator/Recycling Coordinator Funding Source: Federal, state, local or grant Suggested Timeframe: prior to 2025
	ourage development of improved recycling options for batteries, unwanted lications, pharmaceuticals, and sharps.		Priority: High
(4)	Encourage residents to participate in the Drug Enforcement Agency take-back program, typically held on an annual basis in Champaign County.	Status Ongoing	Responsible Party: County SWM Coordinator/Recycling Coordinator Funding Source: Federal, state, local or grant Suggested Timeframe: prior to 2025

	Schedule for Implementing Recommendations		Appendix I
(5)	Encourage the development of secure take-back sites for sharps and/or unwanted medicine/pharmaceuticals at convenient locations throughout Champaign County.	Status Ongoing	Responsible Party:County SWM Coordinator/Recycling Coordinator Funding Source: Federal, state, local or grant Suggested Timeframe: prior to 2025
(6)	Advocate for "extended producer responsibility" (EPR) legislation and programs for the safe collection of nontraditional materials such as batteries, medications, and used sharps by participating in the Illinois Product Stewardship Council or adopting local resolutions of support. EPR systems create a level playing field that shares responsibility fairly among producers and relieves local governments from the costs of disparate local recycling efforts.	Status New	Responsible Party:County SWM Coordinator/Recycling Coordinator Funding Source: Federal, state, local or grant Suggested Timeframe: prior to 2025