



# Iowa Solid Waste Comprehensive Planning Plan Update Form

## Resources

[Iowa Code 455B Division IV Part 1 and Iowa Administrative Rule Chapter 567—101](#)  
[DNR Solid Waste Comprehensive Planning webpage](#)

## Instructions/Notes

Items denoted with an asterisk (\*) and noted as optional are not required. The completion of these items is recommended to provide information for the following purposes.

- Inform residents and stakeholders within the planning area.
- Provide benchmark data that may assist the planning area with its long-term planning.
- Assist DNR in understanding challenges that may potentially be addressed through state-wide programs and services.

Planning Area Name East Central Iowa Council of Governments (ECICOG) Solid Waste Planning Area

Plan Title Regional Comprehensive Integrated Solid Waste Management Plan 2023 - 2028

Planning Area Website\* <https://www.talkto.ecicog.org/solid-waste-management-plan>

## Section 1: Electronic Submission Certification

I certify that I am the authorized representative of the comprehensive planning area and that I have examined the information reported and believe the information is true, accurate and complete.

Signature *Alicia Presto* Date 12/30/2023

Name Alicia Presto Title Senior Planner

Organization East Central Iowa Council of Governments (ECICOG)

Street Address 700 16<sup>th</sup> Street NE, Suite 301

City Cedar Rapids State Iowa ZIP 52402

Email alicia.presto@ecicog.org

Office Phone (319) 289-0058 Mobile Phone\* \_\_\_\_\_

## Section 2: Contacts

Complete the contact information below. If the person certifying above is the same for one of the contacts below, check the box and leave the rest blank for that listing.

Primary Contact for Planning Area Same as person certifying?  Yes  
Name \_\_\_\_\_ Title \_\_\_\_\_  
Organization \_\_\_\_\_  
Street Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_  
Email \_\_\_\_\_  
Office Phone \_\_\_\_\_ Mobile Phone\* \_\_\_\_\_

Secondary Contact for Planning Area Same as person certifying?  Yes  
Name Jennifer Fencil Title Environmental Services Director  
Organization East Central Iowa Council of Governments (ECICOG)  
Street Address 700 16<sup>th</sup> Street NE, Suite 301  
City Cedar Rapids State Iowa ZIP 52402  
Email [jennifer.fencil@ecicog.org](mailto:jennifer.fencil@ecicog.org)  
Office Phone (319) 289-0065 Mobile Phone\* \_\_\_\_\_

Consultant for Planning Area (if applicable) Same as person certifying?  Yes  
Name \_\_\_\_\_ Title \_\_\_\_\_  
Organization \_\_\_\_\_  
Street Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_  
Email \_\_\_\_\_  
Office Phone \_\_\_\_\_ Mobile Phone\* \_\_\_\_\_

### Section 3: Member Participation

#### 3.1 Planning Area Description

Refer to [planning area descriptions](#)

Do you agree with the description?

Yes

No, explain below

**3.2** List 28E agreements that apply to any member of the planning area. Planning area members are typically cities and unincorporated areas of counties. Examples of type include: creation, renewal, membership change, etc. If the 28E agreement is not filed with the Secretary of State, attach the 28E agreement. Also, for each 28E agreement membership group, either attach or provide a digital link for a resolution, approving this comprehensive plan update.

#### List of Current 28E Agreements

Row	Title or description	Type	Expiration date	Sec. of State file #
1	Benton County	Creation	Not applicable	M506989
2	Jones County	Membership change	Not applicable	M510683
3	Tama County	Renewal	Not applicable	M513932
4				
5				
6				
7				
8				
9				
10				

Notes\*

**3.3** In the first and second columns of the table below, list every city and unincorporated area within the planning area along with the county. For reference, planning area members are listed on the second page of the planning area’s goal progress calculation. Then complete one or more of the following items based on the member’s method of cooperation in the planning area.

- If the member is joined in a 28E agreement, list the row number from the table above that identifies the 28E agreement in which the member is covered.
- If the member is not covered in a 28E agreement, list the member’s resolution number that approves the comprehensive plan update and either attach the resolution or note the digital link to the resolution.
- If the member is within a designated Iowa Solid Waste Environmental Management System (EMS) service area, check the box in the last column.

As needed, insert additional copies of this page so there is one row for each member.

**List of Members**

<b>Member - list city name or “unincorporated area”</b>	<b>County</b>	<b>28E Row Number</b>	<b>Resolution Number</b>	<b>Designated EMS</b>
Atkins	Benton County	1	2023 – 01 - 04	<input type="checkbox"/> Yes
Belle Plaine	Benton County	1	2023 – 01 - 04	<input type="checkbox"/> Yes
Blairstown	Benton County	1	2023 – 01 - 04	<input type="checkbox"/> Yes
Garrison	Benton County	1	2023 – 01 - 04	<input type="checkbox"/> Yes
Keystone	Benton County	1	2023 – 01 - 04	<input type="checkbox"/> Yes
Luzerne	Benton County	1	2023 – 01 - 04	<input type="checkbox"/> Yes
Mount Auburn	Benton County	1	2023 – 01 - 04	<input type="checkbox"/> Yes
Newhall	Benton County	1	2023 – 01 - 04	<input type="checkbox"/> Yes
Norway	Benton County	1	2023 – 01 - 04	<input type="checkbox"/> Yes
Shellsburg	Benton County	1	2023 – 01 - 04	<input type="checkbox"/> Yes
Urbana	Benton County	1	2023 – 01 - 04	<input type="checkbox"/> Yes
Van Horne	Benton County	1	2023 – 01 - 04	<input type="checkbox"/> Yes
Vinton	Benton County	1	2023 – 01 - 04	<input type="checkbox"/> Yes
Walford	Benton County	1	2023 – 01 - 04	<input type="checkbox"/> Yes
Unincorporated Areas	Benton County	1	2023 – 01 - 04	<input type="checkbox"/> Yes
Ladora	Iowa County			<input checked="" type="checkbox"/> Yes
Marengo	Iowa County			<input checked="" type="checkbox"/> Yes
Millersburg	Iowa County			<input checked="" type="checkbox"/> Yes
North English	Iowa County			<input checked="" type="checkbox"/> Yes
Parnell	Iowa County			<input checked="" type="checkbox"/> Yes
Williamsburg	Iowa County			<input checked="" type="checkbox"/> Yes
Unincorporated Areas	Iowa County			<input checked="" type="checkbox"/> Yes
Coralville	Johnson County			<input checked="" type="checkbox"/> Yes
Hills	Johnson County			<input checked="" type="checkbox"/> Yes
Iowa City	Johnson County			<input checked="" type="checkbox"/> Yes
Lone Tree	Johnson County			<input checked="" type="checkbox"/> Yes
North Liberty	Johnson County			<input checked="" type="checkbox"/> Yes
Oxford	Johnson County			<input checked="" type="checkbox"/> Yes

Member - list city name or "unincorporated area"	County	28E Row Number	Resolution Number	Designated EMS
Shueyville	Johnson County			<input checked="" type="checkbox"/> Yes
Solon	Johnson County			<input checked="" type="checkbox"/> Yes
Swisher	Johnson County			<input checked="" type="checkbox"/> Yes
Tiffin	Johnson County			<input checked="" type="checkbox"/> Yes
University Heights	Johnson County			<input checked="" type="checkbox"/> Yes
Unincorporated Areas	Johnson County			<input checked="" type="checkbox"/> Yes
Anamosa	Jones County	2	2023 - 01 - 01	<input type="checkbox"/> Yes
Martelle	Jones County	2	2023 - 01 - 01	<input type="checkbox"/> Yes
Monticello	Jones County	2	2023 - 01 - 01	<input type="checkbox"/> Yes
Morley	Jones County	2	2023 - 01 - 01	<input type="checkbox"/> Yes
Olin	Jones County	2	2023 - 01 - 01	<input type="checkbox"/> Yes
Onslow	Jones County	2	2023 - 01 - 01	<input type="checkbox"/> Yes
Oxford Junction	Jones County	2	2023 - 01 - 01	<input type="checkbox"/> Yes
Wyoming	Jones County	2	2023 - 01 - 01	<input type="checkbox"/> Yes
Unincorporated Areas	Jones County	2	2023 - 01 - 01	<input type="checkbox"/> Yes
Alburnett	Linn County			<input checked="" type="checkbox"/> Yes
Bertram	Linn County			<input checked="" type="checkbox"/> Yes
Cedar Rapids	Linn County			<input checked="" type="checkbox"/> Yes
Center Point	Linn County			<input checked="" type="checkbox"/> Yes
Central City	Linn County			<input checked="" type="checkbox"/> Yes
Coggon	Linn County			<input checked="" type="checkbox"/> Yes
Ely	Linn County			<input checked="" type="checkbox"/> Yes
Fairfax	Linn County			<input checked="" type="checkbox"/> Yes
Hiawatha	Linn County			<input checked="" type="checkbox"/> Yes
Lisbon	Linn County			<input checked="" type="checkbox"/> Yes
Marion	Linn County			<input checked="" type="checkbox"/> Yes
Mount Vernon	Linn County			<input checked="" type="checkbox"/> Yes
Palo	Linn County			<input checked="" type="checkbox"/> Yes
Prairieburg	Linn County			<input checked="" type="checkbox"/> Yes
Robins	Linn County			<input checked="" type="checkbox"/> Yes
Springville	Linn County			<input checked="" type="checkbox"/> Yes
Walker	Linn County			<input checked="" type="checkbox"/> Yes
Unincorporated Areas	Linn County			<input checked="" type="checkbox"/> Yes
Chelsea	Tama County	3	2023 - 01	<input type="checkbox"/> Yes
Clutier	Tama County	3	2023 - 01	<input type="checkbox"/> Yes
Dysart	Tama County	3	2023 - 01	<input type="checkbox"/> Yes
Elberon	Tama County	3	2023 - 01	<input type="checkbox"/> Yes
Garwin	Tama County	3	2023 - 01	<input type="checkbox"/> Yes

Member - list city name or "unincorporated area"	County	28E Row Number	Resolution Number	Designated EMS
Gladbrook	Tama County	3	2023 - 01	<input type="checkbox"/> Yes
Lincoln	Tama County	3	2023 - 01	<input type="checkbox"/> Yes
Montour	Tama County	3	2023 - 01	<input type="checkbox"/> Yes
Tama	Tama County	3	2023 - 01	<input type="checkbox"/> Yes
Toledo	Tama County	3	2023 - 01	<input type="checkbox"/> Yes
Traer	Tama County	3	2023 - 01	<input type="checkbox"/> Yes
Vining	Tama County	3	2023 - 01	<input type="checkbox"/> Yes
Unincorporated Areas	Tama County	3	2023 - 01	<input type="checkbox"/> Yes
Kalona	Washington County			<input checked="" type="checkbox"/> Yes
Riverside	Washington County			<input checked="" type="checkbox"/> Yes

Notes\*

Resolutions are available at the links below.

Benton County – <https://www.talkto.ecicog.org/12785/widgets/52829/documents/38337>

Jones County – <https://www.talkto.ecicog.org/12785/widgets/52829/documents/38338>

Tama County – <https://www.talkto.ecicog.org/12785/widgets/52829/documents/38339>

East Central Iowa Council of Governments - <https://www.talkto.ecicog.org/12785/widgets/52829/documents/38342>

The East Central Iowa Council of Governments (ECICOG) maintains the solid waste planning area and is responsible for solid waste comprehensive plan updates. ECICOG’s board of directors review and approve the plan by resolution after all solid waste commissions and a recommendation of approval from the ECICOG Solid Waste Technical Advisory Committee (TAC). The resolution number for ECICOG is 2023 – 01.

**Section 4: Solid Waste Disposal Projects and Contractors**

4.1 Complete a table for each of the solid waste disposal projects that are or have been in operation anytime within the past 5 years or are under development. As needed, insert additional copies of this page.

**Resources**

[DNR Solid Waste Permitting database](#)

[Map of Iowa active landfills/transfer stations](#) at bottom of webpage

Facility Name Benton County Landfill

Permit Type Municipal Landfill Permit Status Operating

Street Address\* 7904 20<sup>th</sup> Avenue City Blairstown ZIP\* 52209

Contact Name Eric Werner Email bentonlandfill@netins.net

Facility Phone (319) 454-6392 Facility website\* [www.bclandfill.com](http://www.bclandfill.com)

If TS, name facility of final disposal \_\_\_\_\_ State \_\_\_\_\_

**For operating MSW landfills only, also complete the section below.**

\_\_\_\_\_ Not applicable \_\_\_\_\_ State \_\_\_\_\_

List transfer stations from outside of \_\_\_\_\_ State \_\_\_\_\_  
planning area that designate this landfill \_\_\_\_\_ State \_\_\_\_\_  
for final disposal \_\_\_\_\_ State \_\_\_\_\_  
\_\_\_\_\_ State \_\_\_\_\_

Year site is expected to close\* Not applicable

Vendors for appliance management Weikert Iron & Recycling, Muscatine, Iowa

Vendors for tire management Liberty Tire, Des Moines, Iowa

Additional Notes\*

Facility Name Iowa County Landfill

Permit Type Municipal Landfill Permit Status Operating

Street Address\* 3369 Highway 6 Trail City Homestead ZIP\* 52236

Contact Name Diane Yoder Email [reicialandfill@southslope.net](mailto:reicialandfill@southslope.net)

Facility Phone (319) 828-4943 Facility website\* [www.iowacountylandfill.com](http://www.iowacountylandfill.com)

If TS, name facility of final disposal \_\_\_\_\_ State \_\_\_\_\_

**For operating MSW landfills only, also complete the section below.**

\_\_\_\_\_ Not applicable \_\_\_\_\_ State \_\_\_\_\_

List transfer stations from outside of \_\_\_\_\_ State \_\_\_\_\_  
planning area that designate this landfill \_\_\_\_\_ State \_\_\_\_\_  
for final disposal \_\_\_\_\_ State \_\_\_\_\_  
\_\_\_\_\_ State \_\_\_\_\_

Year site is expected to close\* Not applicable

Vendors for appliance management Weikert Iron & Recycling, Muscatine, Iowa

Vendors for tire management Liberty Tire, Des Moines, Iowa

Additional Notes\*

The Iowa County Landfill is an Environmental Management System (EMS) facility.

Facility Name Iowa City Landfill and Recycling Center  
 Permit Type Municipal Landfill Composting Facility Permit Status Operating Operating  
 Street Address\* 3900 Hebl Avenue 2401 Scott Boulevard SE City Iowa City ZIP\* 52246 52240  
 Contact Name Jennifer Jordan Email [jejordan@iowa-city.org](mailto:jejordan@iowa-city.org)  
 Facility Phone (319) 356-5185 Facility website\* <https://www.icgov.org/city-government/departments-and-divisions/landfill-and-recycling-center>  
 If TS, name facility of final disposal \_\_\_\_\_ State \_\_\_\_\_

**For operating MSW landfills only, also complete the section below.**

\_\_\_\_\_ State \_\_\_\_\_  
 List transfer stations from outside of \_\_\_\_\_ State \_\_\_\_\_  
 planning area that designate this landfill \_\_\_\_\_ State \_\_\_\_\_  
 for final disposal \_\_\_\_\_ State \_\_\_\_\_  
 \_\_\_\_\_ State \_\_\_\_\_

Year site is expected to close\* Not applicable  
 Vendors for appliance management Weikert Iron & Recycling, Muscatine, Iowa  
 Vendors for tire management Liberty Tire, Des Moines, Iowa  
 Additional Notes\* \_\_\_\_\_

The Iowa City Landfill and Recycling Center is an Environmental Management System (EMS) facility.

Facility Name Jones County Transfer Station and Landfill  
 Permit Type Transfer Station Municipal Landfill Permit Status Operating Closure  
 Street Address\* 13859 Edinburg Road City Scotch Grove ZIP\* 52310  
 Contact Name Karl Taylor Email [landfill@jonescountyiowa.gov](mailto:landfill@jonescountyiowa.gov)  
 Facility Phone (563) 487-5160 Facility website\* <https://www.jonescountyiowa.gov/landfill/>  
 If TS, name facility of final disposal Quad Cities Landfill operated by Millennium Waste State Illinois

**For operating MSW landfills only, also complete the section below.**

\_\_\_\_\_ State \_\_\_\_\_  
 List transfer stations from outside of \_\_\_\_\_ State \_\_\_\_\_  
 planning area that designate this landfill \_\_\_\_\_ State \_\_\_\_\_  
 for final disposal \_\_\_\_\_ State \_\_\_\_\_  
 \_\_\_\_\_ State \_\_\_\_\_

Year site is expected to close\* Not applicable  
 Vendors for appliance management Weikert Iron & Recycling, Muscatine, Iowa  
 Vendors for tire management Liberty Tire, Des Moines, Iowa  
 Additional Notes\* \_\_\_\_\_



Facility Name Cedar Rapids Linn County Solid Waste Agency  
 Permit Type Municipal Landfill Permit Status Operating  
Composting Facility Operating  
 Street Address\* 1954 County Home Road City Marion ZIP\* 52302  
2250 A Street SW City Cedar Rapids ZIP\* 52404  
 Contact Name Karmin McShane Email [kmcshane@solidwasteagency.org](mailto:kmcshane@solidwasteagency.org)  
 Facility Phone (319) 377-5290 Facility website\* <https://www.solidwasteagency.org/>  
 If TS, name facility of final disposal Not applicable State \_\_\_\_\_  
**For operating MSW landfills only, also complete the section below.**  
Not applicable State \_\_\_\_\_  
 List transfer stations from outside of \_\_\_\_\_ State \_\_\_\_\_  
 planning area that designate this landfill \_\_\_\_\_ State \_\_\_\_\_  
 for final disposal \_\_\_\_\_ State \_\_\_\_\_  
 \_\_\_\_\_ State \_\_\_\_\_  
 Landfill closes  
 Year site is expected to close\* June 30, 2044  
 Vendors for appliance management Weikert Iron & Recycling, Muscatine, Iowa  
 Vendors for tire management Liberty Tire, Des Moines, Iowa  
 Additional Notes\*

The Cedar Rapids Linn County Solid Waste Agency is an Environmental Management System (EMS) facility.

Facility Name Tama County Landfill  
 Permit Type Municipal Landfill Permit Status Operating  
 Street Address\* 2872 K Avenue City Toledo ZIP\* 52342  
 Contact Name Dave Sherwood Email [landfill@tamacounty.org](mailto:landfill@tamacounty.org)  
 Facility Phone (641) 484-5061 Facility website\* <https://tamacountylandfill.weebly.com/>  
 If TS, name facility of final disposal Not applicable State \_\_\_\_\_  
**For operating MSW landfills only, also complete the section below.**  
Not applicable State \_\_\_\_\_  
 List transfer stations from outside of \_\_\_\_\_ State \_\_\_\_\_  
 planning area that designate this landfill \_\_\_\_\_ State \_\_\_\_\_  
 for final disposal \_\_\_\_\_ State \_\_\_\_\_  
 \_\_\_\_\_ State \_\_\_\_\_  
 Year site is expected to close\* Not applicable  
 Vendors for appliance management M. Gervich & Sons, Marshalltown, Iowa  
 Vendors for tire management Liberty Tire, Des Moines, Iowa  
 Additional Notes\*

**4.2** Provide a description of any significant changes in disposal operations or facilities that are expected to be implemented or seriously considered during the next 5 years or more. This may include but is not exclusive to closures, expansions, developments, new technologies or new processes. As applicable, note attachments or digital links to files.

None of the solid waste facilities in the ECICOG Solid Waste Planning Area are considering significant changes in disposal operations in the next five years. The landfill facilities are planning to complete new cell construction and necessary site design changes, which is considered normal expansion of operations.

Looking beyond the next five years, the Cedar Rapids Linn County Solid Waste Agency is in the process of deciding how the Agency will handle disposal operations when their landfill site closes on June 30, 2044. Information about the Agency’s Forward 2044 planning process is available at <https://www.solidwasteagency.org/about-us/forward-2044>.

**4.3** Complete the following table to list cooperation with privately owned or operated solid waste sanitary disposal projects participating in the comprehensive plan update. Either attach a letter of cooperation or note a digital link for each listing.

**Cooperation from Private Solid Waste Sanitary Disposal Projects**

DNR Facility Number	Facility Name	Owner	Operator
57-SDP-27-98	Waste Transfer Stations, LLC	Waste Transfer Stations, LLC	Waste Transfer Stations, LLC
48-SDP-06-04	Cox Sanitation and Recycling	Cox Sanitation and Recycling	Cox Sanitation and Recycling

Notes\*

Waste Transfer Stations, LLC is a private company operating a waste transfer station in Hiawatha (Linn County), Iowa. The Waste Transfer Stations, LLC operation accepts solid waste from the ECICOG Solid Waste Planning Area and transfers it for final disposal at the Quad Cities Landfill in Milan, Illinois operated by Millennium Waste. A letter of cooperation is available in the Documents section at <https://www.talkto.ecicog.org/solid-waste-management-plan> in the Resolutions and Cooperation Letters folder.

Cox Sanitation and Recycling is a private waste and recycling company operating a citizen convenience center in North English (Iowa County), Iowa. The company accepts solid waste and recycling from customers at the citizen convenience center. All solid waste accepted from Iowa County residents is transferred for final disposal at the Iowa County Landfill in Homestead. A letter of cooperation is available in the Documents section at <https://www.talkto.ecicog.org/solid-waste-management-plan> in the Resolutions and Cooperation Letters folder.

**4.4** Complete the following table to list contracts that any city, county or public agency has with haulers to comply with comprehensive plan requirements. Examples of type include MSW or single-stream recycling.

**Cooperation from Haulers**

Public Agency or Agencies	Hauler	Type	Expiration Date	Digital link or place contract is filed
Benton County Landfill	Kurt’s Enterprises	Single-stream recycling from landfill drop-off	No contract	Not applicable
Atkins	Waste Management	MSW & single-stream recycling	7/1/2025	City Hall
Belle Plaine	Republic Services	MSW & single-stream recycling	6/30/2023	City Hall
Blairstown	EZ Trash Solution	MSW & single-stream recycling	12/31/2026	City Hall
Garrison	J & R Sanitation	MSW & single-stream recycling	6/30/2025	City Hall

<b>Public Agency or Agencies</b>	<b>Hauler</b>	<b>Type</b>	<b>Expiration Date</b>	<b>Digital link or place contract is filed</b>
Keystone	J & R Sanitation	MSW & single-stream recycling	7/1/2025	City Hall
	City	Yard waste	No contract	Not applicable
Luzerne	J & R Sanitation	MSW & single-stream recycling	7/1/2026	City Hall
Mount Auburn	J & R Sanitation	MSW & single-stream recycling	6/30/2023	City Hall
Newhall	EZ Trash Solution	MSW & single-stream recycling	12/31/2024	City Hall
Norway	Johnson County Refuse	MSW & single-stream recycling	1/19/2023	City Hall
Shellsburg	Johnson County Refuse	MSW, single-stream recycling, & yard waste	11/1/2026	City Hall
Urbana	EZ Trash Solution	MSW, single-stream recycling, & yard waste	7/1/2027	City Hall
Van Horne	EZ Trash Solution	MSW & single-stream recycling	6/30/2026	City Hall
Vinton	J & R Sanitation	MSW & single-stream recycling	6/30/2023	City Hall
Walford	Johnson County Refuse	MSW, single-stream recycling, & yard waste	6/30/2029	City Hall
Benton County	Kurt's Enterprises	Single-stream recycling from public drop-off (6 locations)	No contract	Not applicable
Unincorporated Areas	Local haulers	Residents individually contract MSW & single-stream recycling	Not applicable	Not applicable
Jones County Transfer Station	Midwest Injection	Waste hauling	9/30/2027	Transfer Station
	Wapsi Waste Service	Single-stream recycling from transfer station drop-off	No contract	Not applicable
Anamosa	Local haulers	Residents individually contract MSW & single-stream recycling	Not applicable	Not applicable
Martelle	Edwards Sanitation	MSW & single-stream recycling	7/1/2023	City Hall
Monticello	Republic Services	MSW & single-stream recycling	12/31/2025	City Hall
	City	Yard waste	Not applicable	Not applicable
Morley	Edwards Sanitation	MSW & single-stream recycling	6/1/2024	City Hall
Olin	Wapsi Waste Service	MSW & single-stream recycling	Automatic renewal until City rebids contract	City Hall
Onslow	Edwards Sanitation	MSW & single-stream recycling	6/30/2023	City Hall
Oxford Junction	Kluesner Sanitation	MSW & single-stream recycling	6/30/2025	City Hall

Public Agency or Agencies	Hauler	Type	Expiration Date	Digital link or place contract is filed
Wyoming	Kluesner Sanitation	MSW & single-stream recycling	7/1/2024	City Hall
Unincorporated Areas	Local haulers	Residents individually contract MSW & single-stream recycling	Not applicable	Not applicable
Tama County Landfill	Serious Sanitation	Single-stream recycling at the landfill and drop-off locations	June 30, 2023	Landfill
Chelsea	Local haulers	Residents individually contract MSW	Not applicable	Not applicable
Clutier	Serious Sanitation	MSW	1/12/2027	City Hall
Dysart	Serious Sanitation	MSW, single-stream recycling, & yard waste	6/30/2026	City Hall
Elberon	Serious Sanitation	MSW	1/1/2023	City Hall
Garwin	Local haulers	Residents individually contract MSW	Not applicable	Not applicable
Gladbrook	Local haulers	Residents individually contract MSW	Not applicable	Not applicable
Lincoln	Local haulers	Residents individually contract MSW	Not applicable	Not applicable
Montour	Local haulers	Residents individually contract MSW	Not applicable	Not applicable
Tama	Local haulers	Residents individually contract MSW	Not applicable	Not applicable
Toledo	Local haulers	Residents individually contract MSW	Not applicable	Not applicable
Traer	Cooley Sanitation	MSW	6/30/2023	City Hall
Vining	Local haulers	Residents individually contract MSW	Not applicable	Not applicable
Unincorporated Areas	Local haulers	Residents individually contract MSW	Not applicable	Not applicable

Notes\*

Information was collected through the online Community Waste and Recycling Questionnaire administered with Google Forms and/or directly communicating with city staff and/or officials. The questionnaire form is available [here](#).

Link to hauler websites:

- Cooley Sanitation - <https://www.cooleypumping.com/>
- Edwards Sanitation - <https://edwardssanitation.com/>
- EZ Trash Solution - <https://www.eztrashsolution.com/>
- J & R Sanitation - <https://www.jandrsanitation.com/>
- Johnson County Refuse, an LRS company - <https://www.lrsrecycles.com/>
- Kluesner Sanitation - <https://www.kluesnersanitation.com/>
- Kurt's Enterprises - <http://kurtseaterprises.com/>
- Republic Services - <https://www.republicservices.com/locations/iowa>
- Serious Sanitation - <https://www.serioussanitation.com/>
- Wapsi Waste Service – No website
- Waste Management - <https://www.wm.com/ca/en>

## Section 5: Public Participation

5.1 Summarize ongoing strategies used by the planning area and/or its members to provide the public with opportunities for input. As applicable, provide digital links and note any attachments.

Strategy	Implemented by	Public Input Method & *Digital Links
Solid waste commission meetings are open to the public. The monthly meeting agenda includes an opportunity for the public to express concerns, ideas, etc. to the commission about any topic.	Solid waste commissions	Meeting agendas and/or minutes are available at the following links:  <a href="http://www.bclandfill.com/commission.htm">http://www.bclandfill.com/commission.htm</a>  <a href="https://www.jonescountyiowa.gov/landfill/solid_waste_commission/">https://www.jonescountyiowa.gov/landfill/solid_waste_commission/</a>  <a href="https://tamacountylandfill.weebly.com/commission.html">https://tamacountylandfill.weebly.com/commission.html</a>
During the plan update process, an online public survey was administered in October 2022. Survey results were used by the planning committee and solid waste commission in the goal setting process.	ECICOG	ECICOG used an online public engagement platform, Bang the Table, to administer the online public survey. Information about the survey available at <a href="https://www.talkto.ecicog.org/solid-waste-management-plan">https://www.talkto.ecicog.org/solid-waste-management-plan</a> . Survey results are available <a href="#">here</a> .

Notes\*

5.2 List public meetings that were held to develop the comprehensive plan update. Provide digital links to provide proof for publicity of the meeting, an account of public comments and meeting minutes. If applicable digital links are not available, make a note below and provide attachments.

Meeting Type	Mtg. Date	Digital Link to Publicity, Public Comments and Minutes
Benton County Solid Waste Disposal Commission regular meetings Informational & Public Review/Comment	3 <sup>rd</sup> Thursday of the month	At regular Commission meetings, ECICOG provides an oral and/or written report that includes information about solid waste comprehensive plan update process and implementation. Commission members and the public can ask questions and provide comments during the meeting. Meeting minutes are available at <a href="http://www.bclandfill.com/commission.htm">http://www.bclandfill.com/commission.htm</a> .
Benton County Plan Committee	3/1/2022	Meeting to review and revise community questionnaire and public survey
Benton County Plan Committee	10/24/2022	Meeting to review and revise goals before presenting at a Commission meeting
Benton County Informational & Public Review/Comment	11/17/2022	Solid waste comprehensive planning process and purpose discussed; draft goals presented and discussed; comments in support of the goals were provided by members of the commission, and there were no comments provided by members of the public. Meeting minutes are available <a href="#">here</a> .
Benton County Informational & Public Review/Comment	1/19/2023	Provide information about plan update process, plan review discussion/public comment, and adoption by resolution. Meeting minutes are available at <a href="http://www.bclandfill.com/commission.htm">http://www.bclandfill.com/commission.htm</a> . Resolution is available <a href="#">here</a> .
Jones County Solid Waste Management Commission regular meetings Informational & Public Review/Comment	1 <sup>st</sup> Tuesday of the month	At regular Commission meetings, ECICOG provides an oral and/or written report that includes information about solid waste comprehensive plan development and implementation. Commission members and the public can ask questions and provide comments during the meeting. Meeting minutes are available at <a href="https://www.jonescountyiowa.gov/landfill/solid_waste_commission/">https://www.jonescountyiowa.gov/landfill/solid_waste_commission/</a> .

<b>Meeting Type</b>	<b>Mtg. Date</b>	<b>Digital Link to Publicity, Public Comments and Minutes</b>
Jones County Plan Committee	2/15/2022	Meeting to review and revise community questionnaire and public survey
Jones County Plan Committee	10/4/2022	Meeting to review and revise goals before presenting at a Commission meeting
Jones County Informational & Public Review/Comment	12/6/2022	Solid waste comprehensive planning process and purpose discussed; draft goals presented and discussed; comments in support of the goals were provided by members of the commission, and there were no comments provided by members of the public. Meeting minutes are available <a href="#">here</a> .
Jones County Informational & Public Review/Comment	1/3/2023	Provide information about plan update process, plan review discussion/public comment, and adoption by resolution. Meeting minutes are available at <a href="https://www.jonescountyiowa.gov/landfill/solid_waste_commission/">https://www.jonescountyiowa.gov/landfill/solid_waste_commission/</a> . Resolution is available <a href="#">here</a> .
Tama County Solid Waste Disposal Commission regular meetings Informational & Public Review/Comment	2 <sup>nd</sup> Thursday of the month	At periodic Commission meetings, ECICOG provides an oral and/or written report that includes information about solid waste comprehensive plan development and implementation. Commission members and the public can ask questions and provide comments during the meeting. Meeting agendas and minutes are available at <a href="https://tamacountylandfill.weebly.com/commission.html">https://tamacountylandfill.weebly.com/commission.html</a> .
Tama County Plan Committee	4/12/2022	Meeting to review and revise community questionnaire and public survey
Tama County Plan Committee	10/13/2022	Meeting to review and revise goals before presenting at a Commission meeting
Tama County Informational & Public Review/Comment	11/10/2022	Solid waste comprehensive planning process and purpose discussed; draft goals presented and discussed; comments in support of the goals were provided by members of the commission, and there were no comments provided by members of the public. Meeting minutes are available <a href="#">here</a> .
Tama County Informational & Public Review/Comment	1/12/2023	Provide information about plan update process, plan review discussion/public comment, and adoption by resolution. Meeting minutes are available at <a href="https://tamacountylandfill.weebly.com/commission.html">https://tamacountylandfill.weebly.com/commission.html</a> . Resolution is available <a href="#">here</a> .
ECICOG Solid Waste Technical Advisory Committee (TAC)	2 <sup>nd</sup> Thursday of January, October, April, and July	At regular quarterly meetings, ECICOG provides an oral and/or written report that includes information about solid waste comprehensive plan development and implementation, and members discuss plan implementation and regional coordination. Meeting minutes are available in the Documents section at <a href="https://www.talkto.ecicog.org/solid-waste-management-plan">https://www.talkto.ecicog.org/solid-waste-management-plan</a> .
ECICOG Solid Waste TAC	10/13/2023	Review and revise ECICOG regional goals; meeting minutes are available <a href="#">here</a> .
ECICOG Solid Waste TAC	1/12/2023	Provide information about plan update process, plan review discussion/public comment, and adoption by motion; meeting minutes are available in the Documents section at <a href="https://www.talkto.ecicog.org/solid-waste-management-plan">https://www.talkto.ecicog.org/solid-waste-management-plan</a> .
ECICOG Board of Directors Informational & Public Review/Comment	1/26/2023	Provide information about plan update process, plan review discussion/public comment, and adoption by resolution. Meeting minutes are available in the Documents section at <a href="https://www.talkto.ecicog.org/solid-waste-management-plan">https://www.talkto.ecicog.org/solid-waste-management-plan</a> . Resolution is available <a href="#">here</a> .

Notes\*

Not all meetings listed above were open to the public. The planning committee and ECICOG Solid Waste TAC meetings were not promoted to the public, but information about these meetings were included because it was part of the plan update process. All information, discussions, and work completed in the committee meetings was presented at the public solid waste commission meetings.

Each plan committee included commission members and solid waste facility management. See Table 1 for committee members in each county.

Table 1: Committee Members

County	Committee Member	Type
Benton County	Loras Schulte	Commission Chairman
	Brian McNulty	Commission Secretary
	Nancy Thorkildson	Commission Member
	Bruce Visser	Commission Member
	Eric Werner	Landfill Manager
Jones County	Russ Benke	Commission Chairperson
	Dave Goedken	Commission Member
	Karl Taylor	Operations Manager
Tama County	Linn Snell	Commission Chairman
	Steve VanDeWalle	Commission Member
	Gordon Fassett	Commission Member
	Dave Sherwood	Landfill Administrator

Commission members are individuals appointed by a county or city to represent their interests in solid waste facility operations, programs, planning, finances, etc. The solid waste commission information page on each landfill’s website includes the current commission members, and minutes include commission members in attendance at meetings. See Table 2 for the commission information on each landfill’s website.

Table 2: Commission Information and Meeting Minutes

County	Website
Benton County	<a href="http://www.blandfill.com/commission.htm">http://www.blandfill.com/commission.htm</a>
Jones County	<a href="https://www.jonescountyiowa.gov/landfill/solid_waste_commission/">https://www.jonescountyiowa.gov/landfill/solid_waste_commission/</a>
Tama County	<a href="https://tamacountylandfill.weebly.com/commission.html">https://tamacountylandfill.weebly.com/commission.html</a>

**Section 6: Changes in Waste Generation & Composition and Goal Progress Factors**

**6.1** DNR will use the most recent base year waste tonnage and most current fiscal year data set to complete the comprehensive plan update goal progress calculation. Complete the following items regarding the most recent past fiscal year.

- a. Report the number of tons that were generated within the planning area and disposed outside of Iowa. Include details that identify pertaining planning area members and out of state facilities along with the report year.

The total amount of waste generated and/or managed in the solid waste planning area was 434,776 tons from July 1, 2021 to June 30, 2022. Of this total, 387,599 was disposed of in landfills in the solid waste planning area or within Iowa, and 47,177 tons were disposed of outside of Iowa. See Table 3. Both Waste Transfer Stations and the Jones County Transfer Station designate the Quad Cities Landfill in Milan, Illinois operated by Millennium Waste as the landfill for final disposal.

Table 3: FY2022 Tonnage by Solid Waste Facility

Solid Waste Facility	County	Released to Iowa Landfill (tons)	Exceptional Event (tons)	Waste (tons)
Benton County Landfill	Benton			13,302
Iowa County Landfill*	Iowa			9,999
Iowa City Landfill and Recycling Center**	Johnson			135,557
Cedar Rapids Linn County Solid Waste Agency	Linn	50	31,170	211,408
Cedar Rapids Ash Landfill	Linn			1,555
Jones County Transfer Station***	Jones			12,585
Tama County Landfill	Tama			15,778
Waste Transfer Systems***	Linn			34,592
<b>Total</b>			31,170	434,776

\*Excludes Victor; \*\*Includes Riverside and Kalona; \*\*\*Waste disposed of out of state

Exceptional event tons excluded from the Cedar Rapids Linn County Solid Waste Agency’s (Agency) total are construction and demolition waste from the continued recovery from the historic derecho in August 2020 that impacted the entire solid waste planning area, but especially Linn County. The Agency discontinued its liquid waste bulking program, and it no longer accepts dusty waste. Waste released from the solid waste planning area via the Agency is typically liquid or dusty waste the other solid waste facilities in the area cannot handle.

Using FY2022 tonnage, the goal progress calculation for the solid waste planning area is 26.87%, which is a decrease from 38.07% in the previous plan update in 2016 based on FY2015 tonnage. Historically, the solid waste planning area achieved the 25% waste reduction goal in 1994. The highest goal process calculation was 45% in 2000 based on FY1999 tonnage. The following sections describe possible causes for the recent change in goal progress.

- b. Describe changes in waste composition and waste generation rates over the past 5-6 years. Note any attachments or digital links.

The most notable change in the solid waste planning area is waste generation rates. Since the previous plan update in 2016, overall waste generation in the solid waste planning area has increased 19% comparing FY2016 with FY2022 according to landfill tonnage reports. In FY2016, total waste generation in the solid waste planning area was 365,754.55 tons compared to 434,776 tons in FY2022. See Table 4.



Table 4: Total Tonnage by County Change FY2016 – FY2019

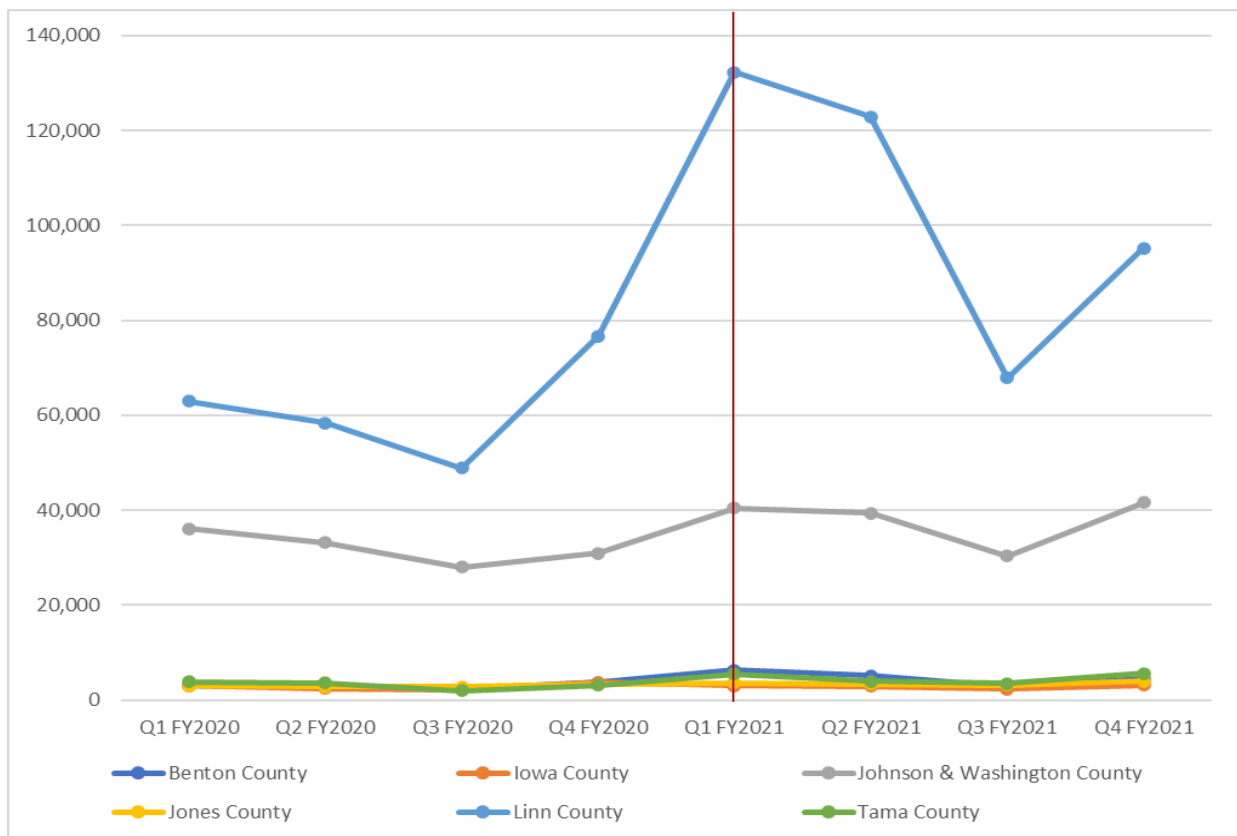
County	FY2016 (tons)	FY2022 (tons)	Change
Benton County	11,565.65	13,302.41	15%
Iowa County	10,261.21	9,998.81	-3%
Johnson & Washington County	123,691.92	135,557.22	10%
Jones County	12,940.65	12,584.63	-3%
Linn County	195,355.85	247,554.74	27%
Tama County	11,939.27	15,777.88	32%
<b>Total</b>	<b>365,754.55</b>	<b>434,776</b>	<b>19%</b>

Probable causes for the increase in generation include changes in or loss of recycling markets, population and industrial production increase, changes in consumer behavior due to the COVID-19 pandemic, and the historic derecho in August 2020.

Since the previous plan update in 2016, there have been no major changes to the baseline waste composition from industrial, commercial, institutional, and municipal solid waste sectors at the solid waste facilities in the planning area. There have not been any major industrial additions or closures in the solid waste planning area to make a significant change to waste composition.

Following the derecho in August 2020, construction and demolition waste significantly increased in the solid waste planning area. Benton, Linn, and Tama County were especially impacted by the derecho. Having the largest population in the area and dense urban development, at least 6,000 properties in the Cedar Rapids metropolitan area in Linn County were substantially damaged. Due to the widespread nature of the derecho, recovery continues years after the natural disaster occurred. Figure 1 provides quarterly tonnage before and after the derecho, which occurred at the beginning of FY2021.

Figure 1: FY2021 and FY2022 Quarterly Tonnage by County



The main change in waste composition is an increase in construction and demolition debris due to several factors including natural disasters, increase in population and new construction, and a loss or reduction of recycling markets for materials.

Construction and demolition waste from natural disaster has been partially captured in an exceptional event tonnage exemption. Tracking all derecho-related debris for exceptional event exemption is difficult due to construction and demolition waste often being present in mixed waste loads. Tons included in the exceptional event exemption FY2022 are based on construction and demolition debris only loads rather than mixed waste loads that may also contain derecho-related construction and demolition debris.

Overall, the 2022 Iowa Waste Characterization Study shows statewide waste composition has changed with construction and demolition waste at 14.4% of overall waste tonnage. Comparing to the study completed in 2017, construction and demolition waste was 5.4% of overall waste tonnage. All facilities in the solid waste planning area have observed an increase in construction and demolition waste. In addition, the Cedar Rapids Linn County Solid Waste Agency and the Iowa City Landfill and Recycling Center participate in Iowa’s waste characterization studies. Both facilities had an increase in construction and demolition waste from 2017 to 2022.

- c. \*Provide any comments or notes regarding the current fiscal year data set.  
Not applicable

**6.2** Complete the following table to describe changes in the planning area since the last approved plan or plan update (typically 5 years ago). Use the drop-down selections for the second column.

**Changes from the Past**

	<b>Change</b>	<b>Description of possible causes for change</b>
Population	Minimal Increase	<p>Since the previous plan update in 2016, the overall population in the solid waste planning area increased 5% according to U.S. Census Bureau data. The total population of the solid planning area was 465,986 in 2020 compared to 442,743 in 2016.</p> <p>Most of the area’s population growth is concentrated in Linn and Johnson County, which had a significant population increase. Growth has occurred in Cedar Rapids, Iowa City, and nearby communities located along major transportation routes. From 2016 to 2020, the population in Iowa and Jones County had a minimal increase while the population in Benton and Tama County had a minimal decrease. Overall, the area’s population growth is driven by Linn and Johnson County, and this trend will likely continue.</p> <p>In general, larger cities and nearby communities in Iowa are experiencing population growth while smaller, rural cities are experiencing a population decrease. The solid waste planning area continues to reflect this population trend found across the state.</p>
Employment	Minimal Increase	<p>Since the previous plan update in 2016, overall employment in the solid waste planning area increased 0.75% according to Bureau of Labor Statistics data. Employment increased in Linn, Johnson, and Tama County while employment decreased in Benton, Iowa, and Jones County.</p>

	<b>Change</b>	<b>Description of possible causes for change</b>
Employment Continued	Minimal Increase	In the area, strong industry sectors include food and bioprocessing, insurance and finance, engineering and automation, education technology services, manufacturing, logistics and transportation, and human services. Overall, there is an employment decline in the traditionally dominant food and bioprocessing and manufacturing sectors, and there is an increase in employment in engineering and automation and education and technology sectors.
Industrial production	Minimal Increase	Since the previous plan update in 2016, industrial production has increased overall with a few established companies expanding operations in the area. The increase has been somewhat balanced out by other companies reducing production levels, and a few companies have closed operations.
Waste generation	Significant Increase	<p>Possible causes for the increase in generation include changes in or loss of recycling markets, population and industrial production increase, changes in consumer behavior due to the COVID-19 pandemic, the historic derecho in August 2020, and other natural disasters.</p> <p>Construction and demolition waste from natural disaster has been partially captured in an exceptional event tonnage exemption. Tracking all derecho-related debris for exceptional event exemption is difficult due to construction and demolition waste often being present in mixed waste loads. Tons included in the exceptional event exemption FY2022 are based on construction and demolition debris only loads rather than mixed waste loads that may also contain derecho-related construction and demolition debris.</p>
Waste composition	Moderate Change	<p>Since the previous plan update in 2016, there have been no major changes to the baseline waste composition from industrial, commercial, institutional, and municipal solid waste sectors at the solid waste facilities in the planning area.</p> <p>The main change in waste composition is an increase in construction and demolition debris due to several factors including natural disasters, increase in population and new construction, and a loss or reduction of recycling markets for materials.</p>

Notes\*

6.3 Complete the following table to project changes and their potential effect on waste generation and composition for the next 5 years. Use the drop-down selections for the second column.

**Anticipated Changes for the Future**

	<b>Projected Change</b>	<b>Description of possible causes for change</b>	<b>Anticipated Effect on Waste Generation and Composition</b>
Population	Minimal Increase	In general, larger cities and nearby communities in Iowa are experiencing population growth while smaller, rural cities are experiencing a population decrease. The solid waste planning area continues to reflect this population trend found across the state.	Waste generation is not projected to significantly increase, and waste composition is not projected to change.
Employment	Minimal Increase	In the area, strong industry sectors include food and bioprocessing, insurance and finance, engineering and automation, education technology services, manufacturing, logistics and transportation, and human services. Overall, there is an employment decline in the traditionally dominant food and bioprocessing and manufacturing sectors, and there is an increase in employment in engineering and automation and education and technology sectors.	Waste generation is not projected to significantly increase, and waste composition is not projected to change.
Industrial production	Minimal Increase	A few established production facilities in the solid waste planning area are planning facility expansions.	Waste generation is not projected to significantly increase, and waste composition is not projected to change.
Waste generation	Relatively None		
Waste composition	Relatively None		

Notes\*

## Section 7: Integrated Solid Waste Management

Waste Management Hierarchy per 455B.301A, in descending order of preference:

- a. Volume reduction at the source.
- b. Recycling and reuse. (Note: this also includes but is not limited to composting, anaerobic digestion)
- c. Waste conversion technologies.
- d. Combustion with energy recovery.
- e. Other approved techniques of solid waste management including but not limited to combustion for waste disposal and disposal in sanitary landfills.

**7.1** Provide a narrative of all waste management programs implemented in the past 5-6 years, addressing all components of the state’s waste management hierarchy. Include the following items for each program:

- a. Program description
- b. Responsibility for program oversight
- c. Public education strategies employed
- d. Targeted audiences
- e. Anticipated impact on the waste stream and diversion for the next 5-6 years

As applicable, note any attachments or digital links.

The Cedar Rapids Linn County Solid Waste Agency (Agency), Iowa City Landfill and Recycling Center, and Iowa County Landfill participate in the voluntary Solid Waste Environmental Management System (EMS) program. As EMS participants, these solid waste facilities focus on continuous improvement in environmental education, recycling services, organics management, household hazardous materials collection, water quality, and greenhouse gas reduction. The Agency and Iowa City Landfill and Recycling Center implement their EMS program with internal staff, and the Iowa County Landfill implements their EMS program with assistance from ECICOG.

Education programs are implemented by ECICOG for the four rural solid waste facilities including the Benton County Landfill, Iowa County Landfill, Jones County Transfer Station, and Tama County Landfill. Programs include the Summer Reading Program and school assembly program. The reading program focuses on child education and is available each summer at no charge to libraries in the landfill service areas. The program focuses on a waste reduction, recycling, and/or toxicity topic and features a book, lesson, and hands on activity. The program is typically in-person, but during the height of the COVID-19 pandemic in 2020, the program was offered online only. Since the pandemic, the program is now available in-person and online. The online programs and current viewing statistics are available on the ECICOG YouTube channel [here](#).

ECICOG partners with Green Iowa AmeriCorps through Matthew 25, a non-profit organization in Cedar Rapids, to facilitate the program. Outreach includes direct outreach to all libraries in the landfill service area, solid waste commissions, and information in the ECICOG newsletter. See Table 5 for program information by year.

Table 5: Summer Reading Program Information 2017 - 2022

Year	Book	Lesson	Program Type	In-Person Programs
2017	<i>Michael Recycle</i>	Household recycling	In-person only	10
2018	<i>What’s Going on in There?</i>	Household hazardous materials safety	In-person only	18
2019	<i>The Snail and the Whale</i>	Household recycling	In-person only	21
2020	<a href="#">Diary of a Worm</a> <a href="#">What’s Going on in There?</a> <a href="#">The Snail and the Whale</a> <a href="#">Bag in the Wind</a>	Food waste and composting Household hazardous materials safety Household recycling Reduce and reuse plastic bags	Online only due to COVID-19 pandemic	---
2021	<a href="#">Joseph had a Little Overcoat</a> <a href="#">Sophie’s Squash</a> <a href="#">The Case of the Stinky Stench</a>	Reuse, donate, or upcycle textiles Food waste and composting Food waste	Online only Online only Online and in-person	5
2022	<a href="#">Construction Site Mission: Demolition!</a>	Building material reuse and recycling	Online and in-person	13

The 2022 program featured the book *Construction Site Mission: Demolition!* The lesson and hands-on activity focused on deconstructing a building and learning how materials can be reused or recycled. The building also included certain materials that need to be handled properly like hazardous materials, electronics, tires, etc. or disposed of at the landfill like broken windows, furniture, etc.

### 2022 Summer Reading Program Flyer

The flyer features the ECI logo at the top left, followed by the text 'SUMMER READING PROGRAM' in large green letters. Below this, it says 'Featuring: CONSTRUCTION SITE MISSION: DEMOLITION! 2022' in a stylized, colorful font. The author's name, 'by Sherri Duskey Rinker', is centered below the title. A central message reads 'The construction team is on a mission: TEAR DOWN A BUILDING!' in a bold, blue, italicized font. Underneath, a section titled 'KIDS WILL LEARN ABOUT:' lists three activities: 'Cleaning up at the end of the day', 'Sorting building parts to recycle or reuse', and 'Working together to get the job done'. At the bottom, there are four icons representing construction equipment: a green crane, a black excavator, a yellow dump truck, and a blue truck with a pallet. Below these icons is a graphic of a brick wall with a black bomb icon on the left and a large white rectangular box on the right, intended for a photo or drawing.

### 2022 Summer Reading Program In-Person



The school assembly program is offered each year at no charge to one school in Benton, Iowa, Jones, and Tama County. The assembly offered focuses on resource conservation, food waste, and composting with Scott Koepke. Depending on which school participates, up to a few hundred students per county participate in the assembly. Outreach includes direct outreach to superintendents, principals, science/agriculture teachers, and commissions. In 2020, the COVID-19 pandemic halted the program, and rebuilding participation since the pandemic has been a challenge for ECICOG.

All solid waste facilities in the planning area have traditional outreach materials like brochures, information cards, etc. available to customers and distributed to local government buildings like the courthouse, city hall, and library. ECICOG provides print material design and printing assistance to the four rural solid waste facilities.

All solid waste facilities in the solid waste planning area maintain a website. Since the previous plan update, the [Jones County Transfer Station](#) developed and maintains a new website. ECICOG assists the [Iowa County Landfill](#) and [Tama County Landfill](#) with website development and maintenance. The [Benton County Landfill](#) and Jones County Transfer Station internally manage website development and maintenance.

All solid waste facilities, except the Benton County Landfill and Jones County Transfer Station, use social media to share information about operations, programs, and waste reduction with the public. Since the previous plan update, the [Iowa County Landfill](#) and [Tama County Landfill](#) developed and maintains a Facebook book page. ECICOG assists the Iowa County Landfill with content, posts, and general page maintenance. The Tama County Landfill internally manages content, posts, and general page maintenance, and ECICOG periodically provides content.

The impact on the waste stream and diversion is difficult to measure with public education programs. The anticipated impact is waste reduction, an increase in participation in waste diversion programs, and a reduction in contamination of recycling programs.

### Benton County

Since the previous plan update, the county rescinded the ordinance that banned landfilling recyclables so it could become a policy that is maintained and enforced by the solid waste commission. The ban continues to be enforced by staff at the landfill. To comply with the ban, all cities in Benton County continue to provide a curbside recycling program to residents, and the County provides a public drop-off recycling program with several locations throughout the county. Business must maintain a recycling program, and landfill staff provide referrals to the Iowa Waste Exchange if a business needs assistance with waste reduction and/or a recycling program.

The Benton County Landfill continues to provide recycling programs for the following items:

- Household cardboard, paper, plastic, metal, and glass
- Scrap metal
- Appliances
- Electronics
- Tires
- Household hazardous materials
- Waste oil and filters
- Lead acid batteries
- Rechargeable batteries
- Fluorescent bulbs
- LP tanks
- Medical sharps

ECICOG provides assistance with recycling contracts for white goods, scrap metal, and LP tanks; tires; and electronics. ECICOG also provides assistance with the landfill's contract with a regional collection center (RCC) for proper handling and disposal of household hazardous materials (HHM).

A new recycling program at the landfill is a glass recycling program that is used by landfill customers and the City of Belle Plaine. The program started in 2017 with funding support from the Iowa Department of Natural Resources (DNR) Solid Waste Alternatives Program (SWAP) and commission. ECICOG provided grant writing, administration, and public education assistance for the program. To date, the new program has diverted approximately 19 tons of glass from the landfill.

A recycling program for shingles was started at the landfill but later suspended because the local asphalt paving company that accepted the shingles could not economically handle the quantity of shingles supplied by multiple landfills in the region. The program also started in 2017 with funding support from the Iowa Department of Natural Resources (DNR) Solid Waste Alternatives Program (SWAP) and commission.

In 2021, the landfill completed a pilot program to develop organics management information materials and provide rebates for residents in Belle Plaine to purchase a compost bin. The goal of the Belle Plaine Organics Management Program was to encourage residents to reduce and properly manage their yard, food, and other organic waste to not only save money but also reduce their impact on the environment. In total, the program resulted in 22 rebates for compost bins and approximately 1,000 pounds of food diverted from the landfill. ECICOG developed and implemented the program in partnership with the commission, landfill, and City of Belle Plaine. The pilot program was completed with funding support from the Iowa Department of Natural Resources (DNR) Solid Waste Alternatives Program (SWAP) and commission.

Primarily for the safety of landfill staff, the landfill also started a medical sharps disposal program. The program accepts up to five containers of medical sharps from county residents at no charge, and the medical sharps are disposed of through a medical waste disposal company. ECICOG assisted the landfill with information materials and public education, which includes sending a letter and information materials to pharmacies and clinics to share with customers and patients.

In 2016, ECICOG implemented a household hazardous materials (HHM) public education project that included an open house event at the landfill and new information card to distribute to landfill customers and local government buildings like the courthouse, city hall, and library. The HHM public education project was part of a larger project funded through a United States Department of Agriculture (USDA) Solid Waste Management Grant.

In general, the current recycling programs offered by communities and the solid waste commission in Benton County will continue to contribute to the county's waste diversion efforts the next five years. The glass recycling and medical sharps programs have removed a portion of these materials from the waste stream increasing waste diversion and safety for landfill staff, and program participation is anticipated to increase the next five years. In addition, the solid waste commission plans to provide a compost bin rebate program countywide after completing a pilot program in Belle Plaine, and the anticipated impact will be more landfill diversion and less food waste in the waste stream as the program is expanded the next five years.



## Jones County

All cities in Jones County, except Anamosa, continue to provide a curbside recycling program to residents. The transfer station provides a recycling drop-off program for all Jones County residents. Businesses are responsible for maintaining a recycling program, and transfer station staff provide referrals to the Iowa Waste Exchange if a business needs assistance with waste reduction and/or a recycling program.

The Jones County Transfer Station continues to provide recycling programs for the following items:

- Household cardboard, paper, plastic, and metal
- Scrap metal
- Appliances
- Electronics
- Tires
- Household hazardous materials
- Waste oil and filters
- Lead acid batteries
- Fluorescent bulbs
- LP tanks

ECICOG provides assistance with recycling contracts for white goods, scrap metal, and LP tanks; tires; and electronics. ECICOG also provides assistance with the transfer station's contract with a regional collection center (RCC) for proper handling and disposal of household hazardous materials (HHM).

In 2016, ECICOG implemented a household hazardous materials (HHM) public education project that included an open house event at the Anamosa Library and new information card to distribute to landfill customers and local government buildings like the courthouse, city hall, and library. The HHM public education project was part of a larger project funded through a United States Department of Agriculture (USDA) Solid Waste Management Grant.

In general, the current recycling programs offered by communities and the solid waste commission in Jones County will continue to contribute to the county's waste diversion efforts the next five years.

## Tama County

The solid waste commission provides a recycling drop-off program in every city in Tama County, and Dysart provides a curbside recycling program for residents. Businesses are responsible for maintaining a recycling program, and landfill staff provide referrals to the Iowa Waste Exchange if a business needs assistance with waste reduction and/or a recycling program.

The Tama County Landfill continues to provide recycling programs for the following items:

- Household cardboard, paper, plastic, metal, and glass
- Scrap metal
- Appliances
- Electronics
- Tires
- Household hazardous materials
- Waste oil and filters
- Lead acid batteries
- Rechargeable batteries
- Fluorescent bulbs
- LP tanks

ECICOG provides assistance with recycling contracts for tires and electronics. ECICOG also provides assistance with the landfill's contract with a regional collection center (RCC) for proper handling and disposal of household hazardous materials (HHM).

A new recycling program at the landfill is a glass recycling program that is used by landfill customers and as a collection point for the glass collected through the drop-off program. The program started in 2017 with funding support from the Iowa Department of Natural Resources (DNR) Solid Waste Alternatives Program (SWAP) and commission. ECICOG provided grant writing, administration, and public education assistance for the program. Since the program started, contamination has been a major issue with the drop-off program so several loads of glass were landfilled.

The historic derecho in August 2020, destroyed the landfill's recycling building. The building was used to collect electronics for recycling, and the recycling vendor did not have a trailer available for the landfill to use as temporary collection space. The electronics recycling program was suspended until construction of the new recycling building was complete in July 2022.

In 2016, ECICOG implemented a household hazardous materials (HHM) public education project that included an open house event at the Tama Library and new information card to distribute to landfill customers and local government buildings like the courthouse, city hall, and library. The HHM public education project was part of a larger project funded through a United States Department of Agriculture (USDA) Solid Waste Management Grant.

In general, the current recycling programs offered by Dysart and the solid waste commission in Tama County will continue to contribute to the county's waste diversion efforts the next five years.

Across the entire solid waste planning area, there has been no new commitment or investment in waste conversion or combustion technologies in the solid waste planning area due to the major investment and quantity of material needed to make a landfill alternative economically viable. Both Plasma Arc and Fiberight have suspended efforts to develop and establish waste conversion technologies in the solid waste planning area. In the Forward 2044 planning process, the Cedar Rapids Linn County Solid Waste Agency is exploring the feasibility of different waste conversion technologies. Information and studies are available [here](#). If the Agency pursues a waste conversion technology, there will likely be partnership opportunities in the solid waste planning area and state.

**7.2** Discuss the changes, including new and evolving strategies, efforts and programs implemented for the following items in the past 5-6 years.

a. Increase public awareness about proper recycling and disposal options for motor oil

All solid waste facilities continue to provide a proper recycling and disposal option for motor oil and filters. Information is provided on the facility brochure and website.

b. Increase public awareness about proper recycling and disposal options for lead-acid batteries

All solid waste facilities continue to provide a proper recycling and disposal option for lead acid batteries. Information is provided on the facility brochure and website.

c. Encourage proper disposal of household appliances

All solid waste facilities continue to provide a proper recycling and disposal option for household appliances. Information is provided on the facility brochure and website. Communities throughout the solid waste planning area host community clean-up events that collect household appliances from residents.

d. Encourage tire stewardship and proper tire recycling and disposal

All solid waste facilities continue to provide a proper recycling and disposal option for tires. Information is provided on the facility brochure and website.

e. Encourage backyard composting and proper yard waste management

The majority of communities in the solid waste planning area provide a yard waste site and/or a curbside organics program for their residents. Information is available by calling city hall, the local landfill/transfer station, and online via city or solid waste facility websites.

f. Encourage residents to properly manage household hazardous waste

All solid waste facilities in the area collect household hazard materials (HHM) from residents. Benton, Iowa, Jones, and Tama County are satellite collection facilities and contract with the Cedar Rapids Linn County Solid Waste Agency, which is a regional collection center (RCC), to properly handle dispose of (HHM). Information is provided on the facility brochure and website.

g. \*Encourage the reduction of food waste

In cities with curbside organics/food waste programs, the city provides information and/or promotes the program online via the city website or social media. In Johnson and Washington County, the Iowa City Landfill and Recycling Center uses social media to not only promote their program, but also encourage residents to reduce food waste.

The reading program provided by ECICOG in Benton, Iowa, Jones, and Tama County has incorporated books and lessons that focus on food waste reduction. The school assembly also includes food waste reduction and composting.

The Benton County Landfill's pilot compost bin rebate program included information materials with tips to reduce food waste.

- h. \*Encourage the reduction of construction and demolition waste

ECICOG provides communities information and assistance with the Iowa Department of Natural Resources (DNR) Derelict Building Program and other programs that help communities preserve existing buildings.

- i. \*Other

- j. \*Other

Notes\*

### 7.3 Provision of Separation of Paper, Plastic, Metal & Glass

Does every resident within the planning area currently have access to recycling services for paper, plastic, metal and glass?  Yes  No

Describe the programs and services that are available in the planning area that provide for the separation of paper, plastic, metal, and glass within the planning area, noting any attachments and digital links.

A summary of the recycling programs available in each county of the ECICOG Solid Waste Planning Area is available at the links provided below.

Benton County – Available in the Documents section at <https://www.talkto.ecicog.org/solid-waste-management-plan> in the Solid Waste and Recycling Program folder or [here](#)

Iowa County – Available in the Documents section at <https://www.talkto.ecicog.org/solid-waste-management-plan> in the Solid Waste and Recycling Program folder or [here](#)

Johnson and Washington County – Available in the Documents section at <https://www.talkto.ecicog.org/solid-waste-management-plan> in the Solid Waste and Recycling Program folder or [here](#)

Jones County – Available in the Documents section at <https://www.talkto.ecicog.org/solid-waste-management-plan> in the Solid Waste and Recycling Program folder or [here](#)

Linn County – Available in the Documents section at <https://www.talkto.ecicog.org/solid-waste-management-plan> in the Solid Waste and Recycling Program folder or [here](#)

Tama County – Available in the Documents section at <https://www.talkto.ecicog.org/solid-waste-management-plan> in the Solid Waste and Recycling Program folder or [here](#)

**7.4** Optional: Complete the table below, describing existing access to recycling services. Use the Sector(s) column to indicate which residential sector(s) is being identified in the row, such as single-family, multi-family, subscribers only, all, etc. As needed, attach additional copies of this page of the form and note any attachments.

Member/ Area*	Sector(s)*	Collection Method*	Material(s)*	Service Provider*	Digital Link or Information Method*

Notes\*

See links referenced in Section 7.3.

**7.5** Optional: Describe any reduction or loss of programs or services during the past 5-6 years that caused the management of waste streams or materials to change to a less preferred method on the waste management hierarchy. For each item, include its impact so far and its anticipated impact in the next 5 years or more. Note any attachments or digital links.

Landfills in the solid waste planning area started shingle recycling programs, but the local asphalt paving contractor that took the shingles could not economically handle the quantity available from the participating landfills. The shingle recycling program continues at the Iowa City Landfill and Recycling Center.

The closure of Big Ox Energy in Riceville and Chamness Technology’s compost facility in Eddyville resulted in a loss of landfill diversion opportunities for organic waste. The Cedar Rapids Linn County Solid Waste Agency’s compost facility, Iowa City Landfill and Recycling Center’s compost facility, and Amana Farms Digester continue to accept organic waste in the region. The compost facilities are both at capacity, and there is a need for more additional capacity. The digester accepts large quantities of industrial organic waste that meet co-digestion requirements, but the facility cannot handle packaged organic waste.

In certain communities, curbside programs for glass have been discontinued because their hauler’s recycling processor cannot handle glass in single stream recycling. Most of these communities’ residents must rely on a drop-off program, which is less convenient than a curbside recycling program.

## Section 8: Evaluation of Progress

Check which of the allowable methodologies were employed to evaluate progress in the last 5-6 years towards meeting the state's waste volume reduction and recycling goals. Multiple boxes may be checked.

- Trend analysis of goal progress since the initial comprehensive plan
- Formal, stakeholder-based collaborative goal-setting process
- Analysis of the effectiveness or benefit of existing programs

Explain the analysis below, noting any attachments and digital links.

The commissions participating in comprehensive planning and the ECICOG Solid Waste Technical Advisory Committee (TAC) evaluated progress towards the state's waste reduction and recycling goals using a combination of the three Iowa DNR recommended methodologies. These methodologies included a trend analysis of goal progress, an analysis of existing programs, and a stakeholder goal setting process. This section will describe the methods used and a general evaluation of goal progress from a regional perspective. Section 7 includes information for programs implemented based on goals from the previous plan.

The evaluation format generally followed three steps:

1. Review member specific and regional goal progress calculations for the plan update and historic trends
2. Review member specific waste diversion programs and discuss areas for improvement
3. Review member specific waste reduction goals from the previous plan update as a guide to develop new goals for 2023 - 2028

Evaluation occurred with the committees, solid waste commissions, and ECICOG Solid Waste TAC during the meetings listed in Section 5.

### Goal Progress Trends

ECICOG staff presented waste reduction goal progress figures, provided by Iowa DNR, to the committees, solid waste commissions, and ECICOG Solid Waste TAC. Using FY2022 tonnage, the goal progress calculation for the solid waste planning area is 26.87%, which is a decrease from 38.07% in the previous plan update in 2016 based on FY2015 tonnage. Historically, the solid waste planning area achieved the 25% waste reduction goal in 1994. The highest goal process calculation was 45% in 2000 based on FY1999 tonnage.

Since the previous plan update in 2016, overall waste generation in the solid waste planning area has increased 19% comparing FY2016 with FY2022 according to landfill tonnage reports. In FY2016, total waste generation in the solid waste planning area was 365,754.55 tons compared to 434,776 tons in FY2022.

The committee, solid waste commission, and ECICOG Solid Waste TAC members generally discussed the trend and theorized possible explanations for the decrease including:

- Changes in or loss of recycling markets
- Population and industrial production increase
- Changes in consumer behavior due to COVID-19 pandemic
- Derecho in August 2020

Waste generation may decrease in FY2023 and the following years if no new major natural disaster or demolition activities take place in the planning area.

## Existing Program Analysis

A community questionnaire and local professional knowledge were used to identify the current waste reduction programs for committee and commission members, and a resident survey was used to learn current usage and opinions of recycling programs. Commission members discussed the strengths and weaknesses of programs, ways to improve diversion, and public usage and opinions of programs. During the planning exercise, members were asked to identify new diversion programs they would consider implementing in the next five years.

In general, there was an overall satisfaction with the availability and quality of existing programs, but committee and commission members felt there was a lack of program awareness and use among the public and challenges with contamination and material quality. The discussion focused on ways to expand public education for the waste diversion programs already offered by communities and the landfills/transfer station. New program ideas included construction and demolition, organics, and household hazardous materials recycling.

Results of a resident recycling survey were shared with committee and commission members. Respondents notably indicated a desire for more options to recycle glass, and committee and commission members considered this in the goal setting process. Otherwise, most respondents were satisfied with existing recycling programs. Several survey question responses reinforced the need for expanded public education because respondents were asking for recycling programs that already exist in their area.

In Jones County, there was focused discussion on the glass recycling issue. The community questionnaire indicated a lack of glass recycling options for residents. The solid waste commission specifically addressed this issue in the goal setting process.

## Goal Setting Process

The final step in the evaluation/planning session was to set goals for the next five years as part of the comprehensive plan update. The goals from the 2016 plan update were used as a starting point for each member waste facility. Commission members were asked to review each 2016 goal and given the opportunity to keep, update, delete or add goals throughout the process. In most cases, the new goals were an extension of the 2016 goals with more focus on public education. New waste reduction goals are detailed in Section 9.

## Section 9: Plan Implementation

Provide a specific plan and schedule for implementing the comprehensive plan during the next 5-6 years. Include the following items:

- a. Proposed activities and locations
- b. Responsible organization(s)
- c. Implementation milestones
- d. Public education strategies
- e. Anticipated impact on the waste stream and diversion

As needed, note any attachments or digital links.

Plan implementation information for Benton, Jones, and Tama County and the East Central Iowa Council of Governments (ECICOG) is available at the links provided below.

Benton County – Available in the Documents section at <https://www.talkto.ecicog.org/solid-waste-management-plan> in the Goals and Objectives folder or [here](#).

Jones County – Available in the Documents section at <https://www.talkto.ecicog.org/solid-waste-management-plan> in the Goals and Objectives folder or [here](#).

Tama County – Available in the Documents section at <https://www.talkto.ecicog.org/solid-waste-management-plan> in the Goals and Objectives folder or [here](#).

East Central Iowa Council of Governments (ECICOG) - Available in the Documents section at <https://www.talkto.ecicog.org/solid-waste-management-plan> in the Goals and Objectives folder or [here](#)



Section 10: Fees for Comprehensive Planning

Of retained tonnage fees, a first portion (varies between \$0.80 - \$1.05/ton depending on diversion rate) is to be used for comprehensive plan implementation and the remaining \$0.50/ton is to be used for environmental protection activities and comprehensive planning.

**10.1** Complete the table below to give an overview of expenditures for comprehensive plan **implementation** over the past 5-6 years.

**Retained Fees Used for Comprehensive Plan Implementation (\$1.05/ton)**

Amount	Fiscal Year(s)	Description
Benton County Solid Waste Disposal Commission		
\$13,459.76	2018	Landfill recycling programs (total cost exceeds retained fees)
\$11,515.92	2019	Landfill recycling programs (total cost exceeds retained fees)
\$12,712.77	2020	Landfill recycling programs (total cost exceeds retained fees)
\$19,696.39	2021	Landfill recycling programs (total cost exceeds retained fees)
\$12,278.75	2022	Landfill recycling programs (total cost exceeds retained fees)
Tama County Solid Waste Disposal Commission		
\$14,710.50	2018	Community and landfill recycling programs (total cost exceeds retained fees)
\$15,002.40	2019	Community and landfill recycling programs (total cost exceeds retained fees)
\$17,209.01	2020	Community and landfill recycling programs (total cost exceeds retained fees)
\$14,026.46	2021	Community and landfill recycling programs (total cost exceeds retained fees)
\$17,848.95	2022	Community and landfill recycling programs (total cost exceeds retained fees)

Notes\*

**10.2** Complete the table below to give an overview of expenditures for environmental protection activities and comprehensive **planning** over the past 5-6 years.

**Retained Fees Used for Environmental Protection Activities and Comprehensive Planning (\$0.50/ton)**

Amount	Fiscal Year(s)	Description
Benton County Solid Waste Disposal Commission		
\$6,409.41	2018	Leachate management and ECICOG fee (total cost exceeds retained fees)
\$5,483.78	2019	Leachate management and ECICOG fee (total cost exceeds retained fees)
\$6,053.70	2020	Leachate management and ECICOG fee (total cost exceeds retained fees)
\$9,379.25	2021	Leachate management and ECICOG fee (total cost exceeds retained fees)
\$6,651.22	2022	Leachate management and ECICOG fee (total cost exceeds retained fees)
Tama County Solid Waste Disposal Commission		
\$7,005.00	2018	Leachate management and ECICOG fee (total cost exceeds retained fees)
\$7,144.00	2019	Leachate management and ECICOG fee (total cost exceeds retained fees)
\$8,194.78	2020	Leachate management and ECICOG fee (total cost exceeds retained fees)
\$6,679.28	2021	Leachate management and ECICOG fee (total cost exceeds retained fees)
\$8,499.50	2022	Leachate management and ECICOG fee (total cost exceeds retained fees)

Notes\*

## Section 11: Attachments & Notes

As needed, use this page or a format of your choice to list attachments or digital links to files.

### List of Important Links

Description	Link
Plan update website	<a href="https://www.talkto.ecicog.org/solid-waste-management-plan">https://www.talkto.ecicog.org/solid-waste-management-plan</a>
Benton County Landfill website	<a href="http://www.bclandfill.com">www.bclandfill.com</a>
Cedar Rapids Linn County Solid Waste Agency website	<a href="https://www.solidwasteagency.org/">https://www.solidwasteagency.org/</a>
Iowa City Landfill and Recycling Center website	<a href="https://www.icgov.org/city-government/departments-and-divisions/landfill-and-recycling-center">https://www.icgov.org/city-government/departments-and-divisions/landfill-and-recycling-center</a>
Iowa County Landfill website	<a href="http://www.iowacountylandfill.com/">http://www.iowacountylandfill.com/</a>
Jones County Transfer Station website	<a href="https://www.jonescountyiowa.gov/landfill/">https://www.jonescountyiowa.gov/landfill/</a>
Tama County Landfill website	<a href="https://tamacountylandfill.weebly.com/">https://tamacountylandfill.weebly.com/</a>