

Iowa Northland Regional Council of Governments:

Comprehensive Solid Waste Management Plan *8th Revision*



Black Hawk County, Bremer County,
Buchanan County, Fayette County,
Cities of Dike,
Grundy Center, Morrison,
Reinbeck and Stout

2016- 2020



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TABLE OF CONTENTS

	<u>Page</u>
I. PLANNING AREA CHANGES	3
1.1 Planning Area Description Permanent Changes in the Planning Area.....	3
II. EVIDENCE OF COOPERATION	
2.1 Resolutions.....	3
2.2 Letters of Cooperation.....	3
2.3 Lists of Contracts and 28E Agreements That Have Changed	3
III. PUBLIC PARTICIPATION	
3.1 Public Input Strategies	4
3.2 Public Hearings/Meetings Held for Plan Development & Review	8
3.3 Public Review Meetings	9
IV. BASELINE WASTE STREAM REPORT (Provided by DNR)	10
4.1 Goal Progress Calculation	
V. CHANGES IN AREA DEMOGRAPHICS	11
5.1 Population, Employment, Industrial Production	
VI. CURRENT WASTE COMPOSITION & GENERATION	
6.1 Changes in Waste Generation since the Last Approved Plan	11
6.2 Changes in Waste Composition since the Last Approved Plan.....	14
6.3 Effects of Anticipated Planning Area Modifications.....	14
VII. EXISTING INTEGRATED SOLID WASTE MANAGEMENT REPORT	
7.1 New and Evolving strategies, efforts, and programs implemented with the planning area to address motor oil, lead-acid batteries, appliances, tires, backyard composting, yard waste, HHM’s, and recyclables	14
7.2 List of Collectors/Recyclers Used.....	22
7.3 Narrative of all Waste Management Programs Implemented/Maintained.....	24
VIII. EVALUATION OF PROGRESS TOWARD GOALS	29
IX. ANALYSIS OF SOLID WASTE ALTERNATIVES	37

X. IMPLEMENTATION TIMELINE38
LIST OF EXHIBITS47

I. Planning Area Changes: *101.13(2)"a"*

1.1 Permanent Changes in the Planning Area

INRCOG Planning Area:

Iowa Northland Regional Council of Governments (INRCOG) All cities and the unincorporated area in Black Hawk County; all cities and the unincorporated area in Bremer County; all cities and the unincorporated area in Buchanan County; all cities and the unincorporated area in Fayette County; and the cities of Dike, Grundy Center, Morrison, Reinbeck and Stout in Grundy County.

There have been no changes to the planning area since the previously approved plan.

II. Evidence of Cooperation: *101.13(2)"b"*

2.1 Resolutions- See attached Resolutions.

Included are resolutions from all local governments or 28E agencies established for the purpose of managing solid waste or implementing integrated solid waste management systems (I.S.W.M.S.), or both, on behalf of local governments. (Exhibits ? through ?)

2.2 Letters of Cooperation (Private Solid Waste Facilities permitted by Iowa DNR)

Included is a letter of cooperation from Cedar Valley Recycling Inc., a private sanitary disposal project operating a Solid Waste Transfer Station (in Waterloo) and participating in the comprehensive plan update. (Exhibit ?) *coming soon*

Included is a letter of cooperation from Waste Management a private sanitary disposal project operating a Solid Waste Transfer Station (in Independence) and participating in the comprehensive plan update. (Exhibit ?) *coming soon*

2.3 Lists of Contracts and 28E Agreements That Have Changed

There have been no 28E changes since the previously approved plan.

III. Public Participation: *101.13(2)"c"*

3.1 Public Input Strategies

Public Meetings

Public participation and input is, and always has been, welcomed at the regular meetings of the Black Hawk County Solid Waste Management Commission (here after

referred to as BHCSWMC), the Bremer County Board of Supervisors, the Buchanan County Sanitary Landfill Commission, and the Fayette County Solid Waste Management Commission. Meeting notices are published in area newspapers.

The 7th Revision INRCOG Comprehensive Solid Waste Management Plan (2016) is archived on the INRCOG website under the *Environment* section of the *publications* page for the public to review (http://www.inrcog.org/pdf/Solid_Waste_Comp_Plan_seventh_revision.pdf).

Websites/Social Media

Commission Websites & Social Media have been created in Black Hawk County & Fayette County that provide considerable information to the public, as well as informing the public of educational opportunities, resources available, and public meetings.

- Black Hawk County Solid Waste Management Commission/Black Hawk County Landfill: <https://wastetrac.org/>
- Fayette County:
Recycling Center: <https://fayettecounty.iowa.gov/departments/recycling-center/>
Transfer Station: <https://fayettecounty.iowa.gov/departments/transfer-station/>

City Websites/Social Media:

Since the last plan many of the cities have updated sanitation/recycling pages of websites and developed Facebook pages that provide additional information regarding waste disposal, yard waste education, household hazardous materials, bulk item pickup, and recycling opportunities/tips.

Private Recycling Services/Outreach:

Many of the companies that provide curbside recycling or recycling roll-offs to the cities have recycling information on their websites or Facebook pages for citizens.

Blue Bin Recycling: <https://www.bluebinrecycling.com/home>

Black Hawk Waste Disposal: <https://blackhawkwaste.com/>

Cedar Valley Recycling & Transfer: <https://www.facebook.com/Cedar-Valley-Recycling-Transfer-1152788228094053/>

Jendro Sanitation: <https://jendrosanitation.com/>

Kluesner Construction: <https://www.kluesnerconstruction.com/home>

Republic Services: <https://www.republicservices.com/>

Rite Environmental: <https://riteenvironmental.com/>

Thomas James: <https://www.facebook.com/Thomas-James-LLC-112043910380588/>

Waste Management: <https://www.wm.com/>

Flyers/Mailings

In addition, numerous educational programs and mailings/newsletters have been used to continue to educate and encourage participation in actions that will reduce the amount of waste ultimately to be deposited in the landfill.

City Solid Waste Survey

As part of the planning process, cities were sent a Solid Waste Survey on 3-4-2022. Twenty-seven cities returned the survey. Below is a compilation of the survey:

1. What is the most important issue in regard to solid waste in your community?

- 3- Contamination/Proper recycling (what is accepted/not accepted)
- 2- Illegal dumping at recycling stations and/or yard waste
- 2- Cost & Convenience
- 1- Matching right size garbage cart for citizen needs to eliminate overfilled containers
- 1- Letting residents know we have a transfer station in town and educating residents on the types of waste accepted at transfer station
- 1- Improving recycling education
- 1- Residents using burn barrels within city limits
- 1- Small communities have little resources to manage solid waste or for recycling facilities and equipment. Regional recycling is one way to address this but requires investment in facilities
- 1- Grants or low-interest loans for improving recycling facilities
- 1- To continue to maintain affordable, dependable collection
- 1- How to manage Styrofoam
- 1- Educating new residents about recycling

2. List all of the ways your city actively encourages recycling.

- 7- Offer location for Roll-off Recycling bins
- 7- Provide curbside recycling
- 6- Information in city newsletter
- 3- Encourage recycling on Social Media Sites: Facebook, Twitter
- 2- City recycling center
- 2- Tours for children at recycling center
- 2- Distribute recycling information to new residents
- 2- City Clean-up Day
- 1- Include solid waste, recycling, yard waste, HHM info in quarterly magazine style newsletter
- 1- Share recycling videos created by solid waste commission with youth groups & schools
- 1- Press releases to newspapers & other agency websites
- 1- Recycling dumpsters available for businesses, central recycling site
- 1- Promote recycling on city website

3. What does your city and/or education partners do to actively encourage residents to do backyard composting?

- 14- We don't promote backyard composting currently
- 1- Promote home composting on city website
- 1- City cable news slides on backyard composting
- 1- Include information about composting in city newsletter

4. List all of the ways your city and/or education partners encourage the proper management of household appliances, tires, waste oil, and electronics.

- 7- City hosts a Clean-up day for appliances & bulk items
- 4- Share information on city social media & website
- 2- Flyer/information inserted in city newsletter
- 2- Information is included in utility billings
- 2- Flyers are posted at City Hall
- 1- Appliances, Tires, electronics, motor oil are accepted at our transfer station
- 1- Educational tours of recycling center and transfer station
- 1- Special collection days & HHM days are advertised in local newspapers
- 1- Special Collection Week each spring (curbside pick-up fee is waived)
- 1- Annual press release about materials outside regular municipal recycling
- 1- Share electronics recycling content from commission with residents
- 1- Appliance pickup is available from hauler the city has contact with
- 1- Refer citizens to the local scrap metal company
- 1- The City works with a private hauler to recycle appliances & tires
- 1- Reduced fee curbside during city clean-up days
- 1- Provide names of alternative locations for recycling electronics and tires
- 1- Accept waste oil at no charge
- 1- Annual amnesty day for metal, tires, electronics provided to our residents

5. What does your city and/or education partners do to actively encourage the proper management of Household Hazardous Materials?

- 4- Share HHM event content from commission with residents (paper copies & social media)
- 4- share event notices/press releases when commission sponsors a HHM event
- 2- Partner with solid waste commission to offer a drop-off event where residents can bring their household hazardous waste items for disposal
- 2- Promote RCC to citizens (city website)
- 1- flyer/article about HHM's and RCC in city quarterly newsletter
- 1- Help promote Hazardous Household Waste Event in monthly city newsletter
- 1- Information posted at City Hall
- 1- Informational flyer on household hazardous materials provided to new residents at Public Services facility
- 1- Ads in local newspaper

6. What current solid waste programs/campaigns are effective in your city?

- 2- Weekly garbage pick-up
- 2- Recycling roll-off bins
- 2- City Clean-up Day
- 1- Recycling drop-off bins and recycling center are extremely popular and well used
- 1- Styrofoam recycling & densifying
- 1- Transfer station is a heavily used facility
- 1- Shingle recycling program
- 1- Offer trash receptacles downtown (managed & picked up by city staff)
- 1- Reduced bulk sticker options
- 1- Annual HHM clean-up event
- 1- Dependable/reliable curbside service
- 1- Recycling of E-waste such as computers, printers, etc

7. Has there been appreciable growth in the industrial sector in your city in the last 5 years?

- 16- No
- 3- Some (Cedar Falls, Oelwein, Independence)

8. What solid waste programs would you like to see implemented in the INRCOG solid waste comprehensive planning area?

- 1- More educational outreach
- 1- Implement a household hazardous waste collection facility
- 1- Composting of food waste
- 1- A permanent location for hazardous waste and tires
- 1- More recycling of hazardous waste including old paint
- 1- Establishment of Regional Recycling Authorities to bring together recyclable materials from small towns. Funding opportunities for small communities to build recycling facilities that allow easy collection and transportation to a regional site
- 1- More emphasis on Reduce & Reuse (How to reduce "junk mail", tips for buying second hand, etc.)
- 1- CRT recycling. Our current e-cycling company will take newer televisions with digital screens, but not older televisions
- 1- Compost facility for grass clippings and leaves
- 1- More educational programs on backyard composting
- 1- Curbside recycling

A. What new (or modified) solid waste programs or services would you like to see implemented in your city?

- 2- Curbside recycling
- 2- Glass recycling
- 1- More education on proper recycling (what is accepted/not allowed)
- 1- More code enforcement of illegal dumping, especially at recycling drop-off sites
- 1- New yard waste location to allow for burning of yard waste
- 1- Composting of food waste

- 1- Litter education
- 1- Join existing recycling authorities
- 1- Location for motor oil recycling & tire recycling in our community

B. What assistance may your city need to establish these programs?

- 3- Funding
- 1- Assistance with website design
- 1- Innovation
- 1- Funding for land purchase/development of new yard waste site
- 1- Funding assistance to build appropriate recycling collection facility and supporting equipment to transport to regional site
- 1- Examples of successful programs/best management practices
- 1- Program awareness and assistance with educating the public about littering
- 1- Program materials

9. Does your city host a special *Clean-up Day* at the curb or host an event? (for collection of items such as furniture, carpet, appliances, etc.)

- 16- Yes
- 5- No

10. Does your city provide litter education and/or equipment/supplies/disposal for citizens to do organized litter clean-up projects in neighborhoods, along streets, downtown, business district, parks, area lakes/rivers?

- 5- Yes
 - 1- Litter collection bags are available for community cleanup events. Groups are asked to contact the public works department and let us know what area is going to be serviced and arrange pick up of materials. We have assisted the IDNR in the Cedar River cleanup over the years as well as assisting the local state park with refuse service
 - 4- If groups express interest, the city provides resources
Pet waste stations have been installed along recreational trails
- 14- No

3.2 Public Hearings/Meetings Held for Plan Development

The first meeting for the development of this plan was held on December 15th, 2021. This meeting was held in conjunction with a general Solid Waste Informational meeting. Presentations were given by Republic Services, BHCSWMC, & Iowa Waste Exchange. See attached minutes for details (Exhibit ?).

A second meeting (with public notice) was held on April 5th, 2022. Presentations were given on ReStore and Sustainable Materials Management and a formal goal-setting session was held. Discussion included solid waste diversion activities and recycling projects in the INRCOG Planning Area. The agenda for this meeting was posted prior to the meeting date for public viewing and published in the Waterloo-Cedar Falls Courier. See attached minutes (Exhibit ?), Proof of Publication (Exhibit ?) & attendance sheet (Exhibit ?) for details.

3.3 Public Review Meetings

The third meeting (with public notice) was held on August 17, 2022. In addition, a meeting notice was sent out to each of the cities and counties in the Planning Area and also posted for public viewing. The primary purpose of this meeting was to give the public and all the Comp Plan members an opportunity to review and comment on the draft before the plan was finalized. The agenda for this meeting was posted prior to the meeting date for public viewing and published in the Waterloo-Cedar Falls Courier. See attached minutes (Exhibit ?), Proof of Publication (Exhibit ?) & attendance sheet. (Exhibit ???). *Coming soon*

IV. Baseline Waste Stream Report: *101.13(2)"d"*

Information is generated and computed by the Department of Natural Resources.

Current Disposal Reduction (Percentage): 45.83%
(See Table on Page 10)

BASE-YEAR ADJUSTMENT METHOD REPORT TABLE

NAME OF PLANNING AREA: Iowa Northland Regional Council of Governments

CURRENT YEAR (CY): FY2021 DRAFT_05-31-2022

BASE YEAR: FY1988

FACTORS	Black Hawk	Bremer	Buchanan	Grundy	Fayette	TOTAL	Notes
<i>STEP 1: Basic Information</i>							
1 Base Year Residential Waste Disposal	67,628.00	10,039.00	5,648.10	2,175.38	11,618.03	97,108.51	A
2 Base Year Commercial/Industrial Waste Disposal	173,125.00	8,653.00	8,959.74	1,954.62	6,151.97	198,844.33	B
3 Base Year Total Waste Disposal	240,753.00	18,692.00	14,607.84	4,130.00	17,770.00	295,994.00	From realignment
4 CY Waste Disposal						184,091.69	G
5 Base Year Population	122,450	22,520	20,928	5,432	22,410	193,740	C
6 CY Population	131,144	24,988	20,565	6,051	19,509	202,257	H
7 Base Year Employment	55,010.00	7,500.00	4,743.00	1,235.00	6,310.00	74,798.00	D
8 CY Employment	66,540.82	12,678.60	6,441.75	3,070.20	7,174.50	95,905.87	I
9 Base Year Taxable Sales	\$759,496,544	\$93,092,488	\$74,475,662	\$28,470,667	\$96,758,937	\$1,052,294,298	E
10 CY Taxable Sales	\$1,947,030,946	\$213,919,468	\$177,540,879	\$51,423,257	\$132,422,708	\$2,522,337,258	J
11 Base Year Consumer Price Index	115.8417	115.8417	115.8417	115.8417	115.8417	115.8417	F
12 CY Consumer Price Index						263.1507	K, FY2021
<i>STEP 2: CY Taxable Sales Corrected for Inflation</i>							
13 Inflation Correction Factor						0.4402105	F/K
14 CY Corrected Taxable Sales						\$1,110,359,334	J*(F/K)
<i>STEP 3: Base Year and Current Year Ratios</i>							
15 Population Ratio (PR)						1.0439610	H/C
16 Employment Ratio (ER)						1.2821983	I/D
17 Taxable Sales Ratio (TR)						1.0551795	(J*F/K)/E
<i>STEP 4: Adjustment Factors</i>							
18 Base Year Commercial/Industrial Adjustment Factor						1.1686889	Average of Lines 16 & 17
19 Base Year Residential Adjustment Factor						1.1063249	Average of Lines 15 & 18
<i>STEP 5: Adjusted Base Year Disposal/Tonnages</i>							
20 Base Year Adjusted Residential Waste Disposal						107,434	A * Line 19
21 Base Year Adjusted Commercial/Industrial Waste Disposal						232,387	B * Line 18
22 Base Year Adjusted Total Waste Disposal						339,821	
<i>STEP 6: Goal Progress and Reduction Percentage Results</i>							
23 CY Waste Disposal (from line #4)						184,092	G
24 Maximum Allowable Disposal to Attain 25 Percent Goal						254,866	Line 22*0.75
25 Actual Tonnage Over (or Under) 25 Percent Goal						-70,774	Line 23 minus Line 24
26 Maximum Allowable Disposal to Attain 50 Percent Goal						169,910	Line 22*0.5
27 Actual Tonnage Over (or Under) 50 Percent Goal						14,181	Line 23 minus Line 26
28 CURRENT DISPOSAL REDUCTION (PERCENTAGE)						45.83%	(Line 22 minus Line 23)/Line 22

V. Changes in Area Demographics: 101.13(2)"e"

Population changes in the INRCOG Planning Area since the Seventh Revision are minimal and do not have any significant impact on solid waste collection, based upon the most current population information available at the time of this update. In addition, employment and industrial production since the seventh Revision may have decreased slightly due to economic conditions. The changes to the solid waste stream have been minimal and are believed to have had little impact on the waste stream in the region.

VI. Current Waste Composition & Generation: 101.13(2)"f"

6.1 Changes in Waste Generation since the Last Approved Plan.

There does not appear to be any significant change in the amount of waste generated since the prior Comp Plan was approved. The average tonnage that the Black Hawk County Landfill has taken in since the last Comp Plan has increased slightly (additional 7 tons per year). The table below shows the gross tonnage of solid waste disposed of at the Black Hawk County Landfill and tonnage from previous plan (2011-2015) for comparison).

Black Hawk County Landfill:

Fiscal Year	Tons
2016	169,136
2017	175,816
2018	192,894
2019	181,922
2020	181,193
Average per Year	180,192

Table MSW 1

Fiscal Year	Tons
2011	174,772.23
2012	171,113.56
2013	172,263.55
2014	180,674.08
2015	166,314.52
Average per Year	173,027

Table MSW 2

Beginning January 2, 2010, all waste generated in Fayette County was taken to the Fayette County Transfer Station and then trucked to the Black Hawk County Landfill.

Fayette County Transfer Station:

Calendar Year	Tons
2016	9,436.86
2017	10,057.25
2018	10,316.32
2019	9,798.94
2020	9,362.09
Average per Year	9,794.29

Table MSW 3

Calendar Year	Tons
2011	10,288.34
2012	9,437.84
2013	9,139.97
2014	10,047.10
2015 (January 1-June 30)	4,433.40

Table MSW 4

The City of Cedar Falls operates their own permitted transfer station to handle the waste picked up within Cedar Falls. It is loaded into trailers and hauled to the Black Hawk Landfill for final disposal. The tonnage is reflected below.

The City of Cedar Falls Transfer Station:

Calendar Year	Tons
2016	11,908.78
2017	12,380.89
2018	11,882.34
2019	12,242.69
2020	12,360.01
Average per Year	12,154.94

Table MSW 4

Calendar Year	Tons
2011	13,019.76
2012	11,977.49
2013	12,109.00
2014	12,564.83
2015	12,214.18
Average per Year	12,377.05

Table MSW 5

Waste Management of Iowa, Inc collects a significant amount of solid waste generated in Black Hawk, Bremer and Buchanan County. The waste they collect in Black Hawk and

Bremer Counties are disposed of at the Black Hawk County Landfill. The waste collected in Buchanan County is hauled to the transfer station in Independence before being hauled out of state to the Prairie Hill Landfill near Morrison, Illinois for final disposal. Since the waste that is hauled to their transfer station is not being disposed of within the State of Iowa, Waste Management is not required to join in this Comprehensive Plan. Figures below show that the following amounts were collected within the Planning Area but shipped out of state during the years of 2016- 2020. However, starting in the summer of 2022, WM started to haul loads from the Independence Transfer Station directly to the Black Hawk County Landfill.

Waste Management Transfer Station in Independence:

Calendar Year	Tons
2016	6,930.63
2017	7,238.06
2018	6,857.46
2019	6,395.28
2020	6,304.47
Average per Year	6,789.83

Table MSW 6

Calendar Year	Tons
2011	8,211.26
2012	7,801.35
2013	8,144.29
2014	7,779.39
2015 (January 1-June 30)	3,361.95

Table MSW 7

A smaller amount of waste comes from one of the recycling sorting facilities in the area. Black Hawk Waste Disposal Co. and Cedar Valley Recycling and Transfer in Waterloo collects and sorts commingled recycling. As a result they end up with several tons of garbage that gets pulled out of the recyclables. This garbage is sent to their permitted transfer station later to be taken to the Black Hawk County Landfill for final disposal.

Black Hawk Waste Disposal Co. and Cedar Valley Recycling and Transfer:

Calendar Year	Tons
2016	522.80
2017	550.26
2018	629.09
2019	928.30
2020	1175.17
Average per Year	761.12

Table MSW 8

Calendar Year	Tons
2011	2,316.06
2012	839.34
2013	716.54
2014	993.45
2015 (January 1-June 30)	626.76

Table MSW 9

6.2 Changes in Waste Composition since the Last Approved Plan.

A review of available data reveals no significant change in the composition of the solid waste being generated. Both population numbers and industrial and business output have remained fairly constant. Although new businesses have located within the Planning Area, none of the additions have created unusual or significant steady amounts of waste.

6.3 Effects of Anticipated Planning Area Modifications.

INRCOG does not anticipate any changes or modifications to the Planning Area.

VII. Existing Integrated Solid Waste Management Report: *101.13(2)"g"*

7.1 Provide a description of new and evolving strategies, efforts, and programs implemented with the planning area to:

*See Table VEN1 for a list of Materials & Collection Sites

1. Increase public awareness about proper recycling and disposal options for motor oil and lead acid batteries.

***Motor oil:** Motor oil can be recycled at many service stations, car dealerships, farm stores, and local repair shops. There are businesses in each county that accept waste oil for recycling in addition to the Cedar Falls Transfer Station & several of the RCC's. Print materials and member websites promote motor oil recycling.

***Batteries:** Most of the Regional Collection Centers (RCC) or HHM drop off events in the Planning area will accept lead acid and rechargeable household batteries. The public is encouraged to leave the old lead acid batteries with the retailer when they buy a replacement. Many local retailers and municipalities participate in the Call2Recycle program for rechargeable batteries. BHCSWMC hands out flyers at the HHM drop-off events that address battery recycling. This is also posted on the BHCSWMC website.

2. Encourage residents of the planning area to dispose of household appliances properly.

***Household Appliances:** Most of the cities in the planning area will accept household appliances for a fee, have bulk item pickup, work with an area appliance recycler or have a city wide clean-up day. The Black Hawk County Landfill, Cedar Falls Transfer Station, Fayette County Transfer Station, and the Waste Management Transfer Station in Buchanan County accept appliances for a fee. Several area permitted private scrap metal recycling businesses accept appliances for a fee. Residents are encouraged to recycle their appliances through print materials and information on member websites.

3. Encourage tire stewardship and proper tire recycling and disposal.

***Tires:** The public is encouraged to pay the disposal fee at the tire retailer to have the tires recycled. The Black Hawk County Landfill and some of the transfer stations will also take them for a fee. Residents are encouraged to recycle their tires through print materials and information on member websites/city newsletters. Most of the tires are recycled by Liberty Tire.

4. Encourage backyard composting and proper management of yard waste.

***Backyard Composting:** Educational resources are available through Waste Trac and on-line for residents to learn how to compost properly.

***Yard Waste:** Member waste facilities encourage proper yard waste management through websites and direct customer contact. Residents within the planning area are encouraged to compost yard waste in their own backyard. Most cities offer a yard waste and tree trimming drop off site for the purpose of composting or burning and advertise these services through their websites and city newsletters.

5. Encourage residents of the planning area to properly manage household hazardous materials (HHM's).

***Household Hazardous Materials:** Residents in the planning area are either serviced by a Regional Collection Center or provided a Toxic Clean-up Day. Though the tonnage is not significant, removing household hazardous materials from landfills significantly reduces toxicity. Materials in these programs are recycled, reused or properly disposed. Event flyers, Newspaper articles, Facebook pages and websites are all strategies used to promote the household hazardous programs in the planning area.

Regional Collection Centers:

Bremer County, Buchanan County, and Grundy County are all served by Regional Collection Centers (RCC) drop-off sites for Household Hazardous Materials (HHM), either open by appointment or posted hours.

HHM Events:**Fayette County:**

Fayette County Solid Waste Management Commission has an annual HHM Clean Up event every fall on the first Saturday of October. They contract with Clinton County to haul the waste to a hazardous waste recycler.

Black Hawk County:

Black Hawk County and its municipalities, through the BHCSWMC, have chosen to address the HHM issues through two annual drop-off events. Each event provides an opportunity for any Black Hawk County resident to dispose of their household hazardous materials and recycle their electronics. The cost to dispose of the waste at these events is paid for by the BHCSWMC.

Vehicles dropping off HHM or electronics at this event are given a handout instructing the proper methods for disposing of paint and a list of local options for disposing of oil, batteries, and appliances. Public awareness of the campaign is achieved through billboard, internet, cable access, and print media. This has turned into a well-received and effective method of dealing with the disposal of HHM and electronics.

All of these counties and/or cities provide a location and education for the proper disposal of tires, lead acid batteries, motor oil, e-waste, and appliances.
(See Table VEN1)

6. Provide for the separation of glass, paper, plastic, and metal.

Cities within the planning area were sent a Survey on March 4th, 2022 for their clerks or public works staff to complete and return. The following charts indicate what types of recycling programs are in the planning area and the types of materials that are accepted for recycling.

Recycling Opportunities in the INRCOG Solid Waste Planning Area

Service Area		Recycling Program Type	Newsprint	Office Paper	Magazines	Chipboard	Cardboard (OCC)	Glass	Plastics	Tin Cans / Metals	Aluminum
Black Hawk County											
Cedar Falls	Recycling Center & Roll-offs		+	+	+	+	+	+	+	+	+
Dunkerton	Cardboard only		No	No	No	No	+	No	No	No	No
Elk Run Heights	Curbside & Roll-off		+	+	+	+	+	No	1-7	+	+
Evansdale	Curbside		+	+	+	+	+	No	1-7	+	+
Gilbertville	Curbside		+	+	+	+	+	+	+	+	+
Hudson	Curbside & Recycling Bins		+	+	+	+	+	No	1, 2, 5	+	+
La Porte City	Curbside		+	+	+	+	+	+	1-?	+	+
Raymond	Curbside		+	+	+	+	+	+	1-7	+	+
Waterloo	Curbside & Roll-offs		+	+	+	+	+	RO only	1-7	+	+

Service Area		Recycling Program Type	Newsprint	Office Paper	Magazines	Chipboard	Cardboard (OCC)	Glass	Plastics	Tin Cans / Metals	Aluminum
Bremer County											
Denver	Curbside		+	+	+	+	+	No	1-5, 7	+	+
Frederika	Roll-off		+	+	+	+	+	+	1-7	+	+
Janesville	Curbside		+	+	+	+	+	+	1-7	+	+
Plainfield	Curbside		+	+	+	+	+	+	1-5, 7	+	+
Readlyn	Recycling Center		+	+	+	+	+	No	1-5,7	+	+
Sumner	Recycling Center		+	+	+	+	+	No	1-5, 7	+	+
Tripoli	Recycling Center		+	+	+	+	+	No	1-5, 7	+	+
Waverly	Recycling Center & Curbside		+	+	+	+	+	+	1-5, 7	+	+

Service Area	Recycling Program Type	Newsprint	Office Paper	Magazines	Chipboard	Cardboard (OCC)	Glass	Plastics	Tin Cans / Metals	Aluminum
Buchanan County										
Aurora	Curbside	+	+	+	+	+	+	1-7	+	+
Brandon	Curbside	+	+	+	+	+	+	1-7	+	+
Fairbank	Curbside	+	+	+	+	+	+	1-7	+	+
Hazleton	Curbside	+	+	+	+	+	No	1-7	+	+
Independence	Curbside	+	+	+	+	+	+	1-7	+	+
Jesup	Drop-off	+	+	+	+	+	No	1-7	+	+
Lamont	Curbside	+	+	+	+	+	No	1-7	+	+
Quasqueton	Curbside	+	+	+	+	+	+	1-7	+	+
Rowley	Curbside	+	+	+	+	+	+	1-7	+	+
Stanley	Roll-off	+	+	+	+	+	+	1-7	+	+
Winthrop	Curbside	+	+	+	+	+	+	1-7	+	+

- Recycling Drop-off at Waste Management Transfer Station available to residents as well.

Service Area	Recycling Program Type	Newsprint	Office Paper	Magazines	Chipboard	Cardboard (OCC)	Glass	Plastics	Tin Cans / Metals	Aluminum
Fayette County										
Arlington	Roll-off	+	+	+	+	+	No	1-7	+	+
Clermont	Roll-off	+	+	+	+	+	No	1-7	+	+
Elgin	Roll-off	+	+	+	+	+	No	1-7	+	+
Fayette	Roll-off	+	+	+	+	+	No	1-7	+	+
Hawkeye	Roll-off	+	+	+	+	+	No	1-7	+	+
Maynard	Roll-off	+	+	+	+	+	No	1-7	+	+
Oelwein	Curbside Roll-off	+	+	+	+	+	No	1-7	+	+
Randalia	Roll-off	+	+	+	+	+	No	1-7	+	+
St. Lucas	Roll-off	+	+	+	+	+	No	1-7	+	+
Wadena	Roll-off	+	+	+	+	+	No	1-7	+	+
Waucoma	Roll-off	+	+	+	+	+	No	1-7	+	+
Westgate	Roll-off	+	+	+	+	+	No	1-7	+	+

West Union	Roll-off	+	+	+	+	+	No	1-7	+	+
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- Recycling Drop-off at Fayette County Recycling Center available to residents as well.

Service Area		Recycling Program Type	Newsprint	Office Paper	Magazines	Chipboard	Cardboard (OCC)	Glass	Plastics	Tin Cans / Metals	Aluminum
Grundy County											
Dike	Curbside & Roll-off		+	+	+	+	+	+	1-7	+	+
Grundy Center	Curbside		+	+	+	+	+	No	1-7	+	+
Morrison	Roll-off		+	+	+	+	+	+	1-7	+	+
Reinbeck	Curbside & Roll-off		+	+	+	+	+	+	1-7	+	+
Stout	Recycling Center		+	+	+	+	+	+	1-7	+	+

1- Glass, Paper, Plastic, Metal- Recycling: Recycling is offered in several different ways. Many cities in the planning area have a curbside recycling option for their citizens. Some cities have both curbside and drop-off bins. Several cities have recycling centers for drop off of materials.

Waste Management: Buchanan County residents have access to drop-off recycling in Independence at the Waste Management Facility. Waste Management also contractually handles the curbside recycling for 5 of the cities within Buchanan County.

Waste Management Inc. totals from Independence Transfer Station:

Calendar Year	Tons
2016	530.56
2017	796.30
2018	641.25
2019	686.84
2020	623.96
Average per Year	655.78

Table REC 1

Calendar Year	Tons
2011	547.12
2012	624.39
2013	713.41
2014	789.89
2015 (January 1-June 30)	515.64

Table REC 2

Cedar Valley Recycling and Transfer Co:

Cedar Valley Recycling and Transfer Co located in Waterloo handles some municipal and commercial recycling in the area. The following shows amounts of recycled materials sorted at their facility:

Cedar Valley Recycling and Transfer Co.:

Calendar Year	Tons
2016	5,993.63
2017	5,896.97
2018	6,305.18
2019	6,973.73
2020	5,718.36
Average per Year	6,177.57

Table REC 3

Calendar Year	Tons
2011	8,441.82
2012	9,018.41
2013	8,557.65
2014	9,259.70
2015 (January 1-June 30)	4,655.38

Table REC 4

City of Cedar Falls:

The City of Cedar Falls contracts with Republic Services (formerly City Carton Recycling) to handle their recyclable materials. Following chart is for commodities only. Recyclables are collected in roll-offs throughout the city, as well as materials brought to the Recycling Center.

City of Cedar Falls:

Fiscal Year	Tons
2016	1,681.66
2017	2,024.42
2018	2,189.00
2019	1,947.67
2020	2,080.03
Average per Year	1,984.55

Table REC 5

Fiscal Year	Tons
2011	1,813.83
2012	1,724.97
2013	1,702.21
2014	1,656.32
2015	1,613.40
Average per Year	1,702.15

Table REC 6

EBRRA:

The Cities of Readlyn, Sumner, and Tripoli have joined together to create the East Bremer Regional Recycling Authority (EBRRA). Each city provides drop off locations and then hauls the material to Sumner for baling. Website:

EBRRA:

Calendar Year	Tons
2016	
2017	
2018	
2019	
2020	

Table REC 7

Calendar Year	Tons
2011	352.10
2012	311.96
2013	322.62
2014	Unavailable due to fire
2015 (January 1-June 30)	Unavailable

Table REC 8

Fayette County Recycling Center:

The Fayette County Recycling Center handles all the recycling from the cities and rural areas in Fayette County. Fayette County provides recycling drop-off bins for Oelwein, but Oelwein also contracts with Black Hawk Waste Disposal for curbside recycling for its residents. (The City of Oelwein recycles around 216 tons per year).

Fayette County Recycling Center:

Calendar Year	Tons
2016	1,561.35
2017	1,406.24
2018	1,349.33
2019	961.53
2020	1,031.41
Average per Year	1,261.97

Table REC 9

7.2 Provide a list of collectors/recyclers used by the permitted municipal solid waste sanitary disposal project(s) for the proper management of tires/household appliances, etc.: 101.13(2)"g"(2)

Diverted Material(s)	Collection Site(s)	Destination Facility	Management Method
Appliances	Black Hawk Co Landfill	Weikert Iron & Metals	Recycled
Electronics	BHCSWMC Event	Midwest Electronic Recovery	Recycled
Fluorescent Bulbs	Black Hawk Co Landfill	A-Tec	Recycled
Household Hazardous Materials	BHCSWMC Event	Clean Harbors	Recycled
Lead-acid Batteries	BHCSWMC Event	A-Line Iron & Metal	Recycled
LP Tanks	BHCSWMC Event	A-Line Iron & Metal	Recycled
Scrap Metal	Black Hawk Co Landfill	Weikert Iron & Metals	Recycled
Tires	Black Hawk Co Landfill	Liberty Tire	Recycled
Yard Waste	Black Hawk Co Landfill		Composted- Used on-site
Appliances	Cedar Falls	Weikert Iron &	Recycled

Diverted Material(s)	Collection Site(s)	Destination Facility	Management Method
	Transfer Station (CFTS)	Metals	
Electronics	CFTS	Midwest Electronic Recovery	Recycled
Motor Oil	CFTS	Northland Oil	Recycled
Rechargeable Batteries	CFTS	Call2Recycle	Recycled
Scrap Metal	CFTS	Alters Metal	Recycled
Shingles	CFTS (7/14 to 6/22)	Aspro	Recycled
Tires	CFTS	Liberty Tire	Recycled
Yard Waste	CFTS	Hauled to BH Co Landfill	Composted
Appliances	Bremer Co CCC	Wilkins	Recycled
Household Hazardous Materials	Bremer Co RCC	Tradebe	Recycled
Lead-Acid Batteries	Bremer Co RCC	Wilkins	Recycled
Tires	Bremer Co CCC	Liberty Tire	Recycled
LP Tanks	Bremer Co RCC	Wilkins	Recycled
Appliances	Buchanan Co RCC	Schafer or Tieniers	Recycled
Household Hazardous Materials	Buchanan Co RCC	Tradebe	Recycled
Lead-acid Batteries	Buchanan Co RCC	Tierner's Recycling	Recycled
LP Tanks	Buchanan Co RCC	Tierner's Recycling	Recycled
Rechargeable Batteries	Buchanan Co RCC	Tierner's Recycling	Recycled
Scrap Metal	Buchanan Co RCC	Tierner's Recycling or Schaefer Iron & Metal	Recycled
Appliances	Waste Management Transfer Station-Independence	Tierner's Recycling or Schafer Iron & Metal	Recycled
Electronics	Waste	Midwest Electronics	Recycled

Diverted Material(s)	Collection Site(s)	Destination Facility	Management Method
	Management Transfer Station-Independence	Recovery	
Scrap Metal	Waste Management Transfer Station-Independence	Tierner's Recycling or Schafer Iron & Metal	Recycled
Appliances	Fayette County Transfer Station	A-Line Iron & Metals	Recycled
E-waste	Fayette County Transfer Station	Midwest Electronic Recovery	Recycled
Lead Acid Batteries	Fayette County Transfer Station	A-Line Iron & Metals	Recycled
Household Hazardous Materials	Fayette County Transfer Station	Partner w/ Clinton Co. Solid Waste Agency	Recycled
Motor Oil	Fayette County Transfer Station	Cedar Falls Oil	Recycled
Scrap Metal	Fayette County Transfer Station	A-Line Iron & Metal	Recycled
Tires	Fayette County Transfer Station	Liberty Tire	Recycled

Table VEN1

7.3 Provide a detailed narrative of all waste management programs implemented since the last approved comprehensive plan or comprehensive plan update that addresses all components of the state's waste management hierarchy: *101.13(2)"g"(3)*

Iowa Code 455B.301 Waste Management Hierarchy

- a. Volume reduction at the source**
- b. Recycling and reuse**
- c. Combustion with energy recovery**
- d. Other approved techniques of solid waste management including but not limited to combustion for waste disposal and disposal in sanitary landfills**

Since the last Comp Plan was approved there have been a few new waste diversion programs added, programs maintained, and markets lost.

New Waste Management Programs Implemented:

ReStore: Habitat for Humanity ReStore (4107 Hammond Ave., Waterloo):

In the fall of 2015 Iowa Heartland Habitat for Humanity began opening a ReStore in Waterloo. This program allows individuals, businesses, corporations, and contractors to donate new or used building material that can be resold. The proceeds from this store are used to fund Habitat for Humanity projects in the Cedar Valley.

This is the first full comprehensive plan where ReStore was in operation within the area. The store has increased donations from 2032 in 2016 to 7185 donations in 2020. Habitat has a formula for converting sales to "tons saved" from the landfill (Total sales x 1.2 pounds, divided by 2000= tons saved from the landfill). For years 2016-2020: \$2,536,391 in sales x 1.2 = 1,521 tons diverted from the landfill.

Anticipated impact: Participation and awareness of the program seem to be strong & growing. Donations are expected to be in the \$550,000 - \$800,000 range per year if current trends continue, increasing the amount of materials diverted from the landfill.

ReStore- Waterloo:

Calendar Year	Donations	Sales	Estimated Tons
2016	2032	\$276,270	165.8
2017	6013	\$477,740	286.6
2018	6655	\$616,187	369.7
2019	7008	\$602,594	361.6
2020	7185	\$563,600	338.2
Total:	28,893	\$2,536,391	1521.9 tons

Programs Implemented or Maintained during 2016- 2020:

Shingle Recycling Program- City of Cedar Falls

In 2014 Cedar Falls received funding from the DNR through the Solid Waste Alternative Program (SWAP) to install a concrete slab and concrete barriers to efficiently collect shingles from roofing projects and contractors. The shingles were ground and the city worked with a local paving company to use the ground shingles in their asphalt mix. A shingles specific brochure was created and information was placed on the city website (as well as a link on the BHCSWMC website). The tipping fee for shingles recycling was advertised within the city newsletter (Currents), as well as at the CF Transfer Station and on the city website. From July 2014 (inception) to June 30, 2022 a total of 3,866.26 tons of shingles were recycled through the program.

Glass Recycling- City of Cedar Falls

The City of Cedar Falls was awarded SWAP funding for facility modifications to accept mixed glass at the recycling center. Cedar Falls has been working with Ripple Glass since 2014 to recycle all types of colored and clear glass by the semi-load. They will accept bottles, jars, and plate glass. They do not accept mirrors, reinforced, porcelain, or auto glass. During the previous comprehensive plan (FY 2011- FY 2015) the city recycled 377.24 tons of glass over the five years. For the years FY 2016- FY 2020, the City of Cedar Falls increased glass recycling to 2,797.88 tons over the five years (Glass tonnages for each year: 221.80, 579.76, 685.95, 584.23, 716.14 tons).

Styrofoam Recycling- City of Cedar Falls

Cedar Falls has provided Styrofoam collection for its residents in roll-offs as well as at the recycling center. The polystyrene is densified to prepare it for market. The following amounts have been recycled: FY17: 8.6 tons, FY18: 9.56 tons, FY19: 8.92 tons, and FY20: 11.69 tons.

Recycling Program Modification- City of Waterloo

Starting December 1st, 2019 the City of Waterloo had a major overhaul of their recycling & yard waste program. (In the past the same cart was used by Waterloo residents to collect curbside recycling and then another week the cart was used for yard waste. This method resulted in residents sometimes putting materials out on the wrong day and loads of recyclables that were contaminated with yard waste. In 12-2019 Waterloo contracted with Republic Services to provide new recycling bins to Waterloo residents who opted into curbside recycling and now offer every other week curbside recycling. The city used the previous carts to continue to pick up yard waste for customers who opted into the curbside yard waste program. (Recycling roll-offs throughout the city are also a recycling option for residents at 4 public locations).

Use of Fleet Management Software for Solid Waste- City of Waterloo

The City of Waterloo's Public Works Department is using *Routeware*, a fleet management software program to capture missed revenue, avoid as many costly returns, and boost productivity on the garbage routes. The Radio Frequency Identification Program (RDID Program) is operational for curbside garbage services- RFID tags have been placed on municipal garbage carts. Waterloo's new system keeps track of every address for the driver, verifying if each garbage cart is serviced. This saves valuable staff time and resources. Drivers will no longer go back for carts put out late or filled a second time, dump unregistered carts, dump carts belonging to another address, and the system will know if RFID tags are damaged or tampered with. In addition, this new RFID system can detect if an address has the wrong cart, too many carts, carts not being paid for, carts at the wrong address, etc. The software uses GPS and photos to confirm that the driver made the collection or to show the reason collection was skipped. The software avoids costly returns to the same locations, helps the city cut carbon use, decreases time spent on resolving collection complaints, and can help with route optimization/efficiency.

Education/Outreach:

Some of the counties in the Planning Area have undertaken very active programs of recycling education by partnering with their county conservation boards. Educational programs focus on reaching students through the schools, scouting programs, summer schools, and some after-school programs. Adult classes & workshops are also held for teachers, churches, libraries, non-profit organizations, places of employment, or special interest groups.

The counties of Black Hawk, Bremer, Buchanan, and Fayette all included recycling and solid waste programs in their naturalist presentations during the last planning period.

Black Hawk County- Waste Trac Programs: Contact information for scheduling a solid waste/recycling presentation or landfill tour:
<https://wastetrac.org/waste-trac-education-team/>

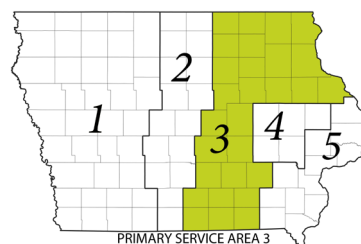
Bremer County Educational Programs: Contact information for scheduling a solid waste/recycling presentation:
https://www.bremercounty.iowa.gov/departments/conservation_board_/recycling_education.php

Buchanan County Educational Programs: Contact information for scheduling a solid waste/recycling presentation:
https://www.buchanancounty.iowa.gov/services/conservation/educational_program_id_eas.php.

Fayette County Educational Programs: Contact information for scheduling a solid waste/recycling presentation:
<https://www.fayettedcountyconservation.org/>

Iowa Waste Exchange:

Efforts to increase landfill diversion continue, utilizing a number of available resources. One of these resources is the Iowa Waste Exchange (IWE). IWE actively assists in the diversion of reusable and recyclable material from the landfill. IWE provides a free, non-regulatory, and confidential service to businesses, industries, universities, institutions, and individuals by attempting to find reuse opportunities or markets for unwanted items and waste materials. The Iowa Waste Exchange is serviced by 5 specialists across the state. The Area 3 specialist covers 28 counties, including the INRCOG planning area. IWE specialists can also conduct waste audits at businesses and schools and then work with those parties to find an outlet for the waste material/surplus items.



The IWE in Area 3 has diverted a total of 78,644.22 tons from Iowa landfills during the last plan. While the efforts of the IWE strive to reduce landfill tonnage, the efforts have also saved generators of this waste approximately \$3,438,615 in disposal costs.

Iowa Waste Exchange:

Year	Assistances	Tonnages	\$ Saved in Disposal	\$ Saved Other Than Diversion
2016	547	26,765.41	\$1,041,413.00	\$63,150.00
2017	569	35,565.70	\$1,631,345.00	\$22,050.00
2018	398 ?	7,763.74	\$362,378.00	\$5,550.00
2019	817	8,184.99	\$391,994.00	\$199,025.00
2020	410	364.38	\$11,485.00	\$50,901.00

Money Saved Other Than Diversion includes: Avoided purchases, reduced transportation costs, freed storage space).

Iowa Waste Exchange website <https://www.iowadnr.gov/Environmental-Protection/Land-Quality/Waste-Planning-Recycling/Iowa-Waste-Exchange-IWE>

Iowa Waste Reduction Center:

The Iowa Waste Reduction Center (IWRC) is based at the University of Northern Iowa campus in Cedar Falls. IWRC conducts on-site reviews for small businesses interested in improving the efficiency of their daily processes and provides expert advice for waste reduction methods, Resource Conservation and Recovery Act (RCRA), Painter Training, IAEAP air pollution program, food waste concerns, energy efficiency assistance and much more. Since the last Comp Plan, IWRC has assisted over 2,232 small businesses in the state. Their website is: <http://www.iwrc.org/index.cfm>.

Iowa Waste Reduction Center:

Year	Businesses Assisted
2016	505
2017	535
2018	446
2019	413
2020	333

Both the IWE and the IWRC assist with finding ways to divert new material entering the waste stream as technology and innovation changes the types of material used in manufacturing and consumption. New technology is also creating new markets for recyclable material on an on-going basis. The IWE and IWRC often are aware of these

markets as they become available and are able to contact entities that generate material these markets require.

Through the educational efforts, programs, and new recycling markets discussed in this plan, it is hoped that the waste stream composition could be further reduced in the future through additional removal of reusable items, recyclables, and organic materials from the waste stream.

Loss of Organics Markets in NE Iowa:

Two markets outside of the planning area (but cited in NE Iowa) started accepting organic waste material during the last Comp Plan. Then during the current comprehensive plan the following 2 companies ceased operation or changed the types of materials they accept.

- Midwest Organic Solutions (Farley), was a large scale commercial composting facility. Out of business now.
- Big Ox Energies (Riceville), accepted organics to incorporate into their anaerobic digester to produce methane, generate electricity. They are currently only accepting manure and are not accepting other organics at this time.

Companies with organic waste are given referrals to facilities that are outside the planning area, but current transportation costs are preventing that from being a viable option. Due to the loss of these companies greater amounts of organic material are now being landfilled.

2016-2020: No loss of programs or services noted within the planning area during the time frame (However the City of Cedar Falls discontinued its Shingles Recycling program on July 1, 2022).

VIII. Evaluation of Progress Toward Goals: *101.13(2)"h"*

Provide an evaluation of progress toward meeting the state's waste volume reduction and recycling goals.

- An informational meeting was held on December 15th, 2021.
- Surveys were sent to cities to collect data and input on strategies (March 4th, 2022)
- A formal, stakeholder-based collaborative goal review process leading to development of updated long range integrated solid waste management system goals was held on April 5th, 2022.

Listed below are several of the goals set forth in the last plan and accomplishments associated with each.

1- Waste Reduction Goal:

Goal From 7th Revision Comp Plan:

***Adjustment of Tipping Fee at Black Hawk County Landfill:**

Assess and adjust the tipping fee to meet financial demands of increased operating costs and to encourage increased public participation in recycling programs. The commission plans to increase the fees gradually for the next couple of years to help offset the cost of necessary maintenance, construction, and future cell development. It is believed that this tipping fee increase will also encourage more people and businesses to take a closer look at their waste streams and take advantage of landfill alternatives, such as reusing or recycling options.

Measures taken during last plan:

The BHCSWMC voted to increase the tipping fee as such: During the previous plan the tipping fee at the Black Hawk County Landfill was \$33.25/ton. The tipping fee was increased as follows:

- July 1, 2015 the tipping fee increased to \$34.25.
- July 1, 2016 the tipping fee increased to \$36.25.
- July 1, 2017 the tipping fee increased to \$38.25
- July 1, 2018 the tipping fee increased to \$40.25
- July 1, 2019 the tipping fee increased to \$42.25

2-Education & Information Goals:

In the previous plan the goal was to provide solid waste outreach by means of websites, social media, newsletters, flyers & presentations in an ongoing basis.

***Presentations:**

Counties in the Planning Area have undertaken very active programs regarding recycling education. Educational programs focus on reaching both children and adults through many different program topics and various group settings. The following shows the efforts of the different counties within the planning area:

Bremer Co. Conservation

Year	# of Programs	# of Participants
2016	42	728
2017	33	817
2018	32	579
2019	34	608
2020	17	400
Average per Year	32	626

Buchanan Co. Conservation

Year	# of Programs	# of Participants
FY 16/17	145	2308
FY 17/18	121	2331
FY 18/19	101	2089
FY 19/20	23	433
FY 20/21	76	1256
Average per Year	93	1683

Fayette Co. Conservation

Year	# of Programs	# of Participants
2016	51	920
2017	38	698
2018	38	867
2019	41	877
2020	12	175
Average per Year	36	707

Waste Trac (BHCSWMC)

Year	# of Programs	# of Participants
2016	354	10056
2017	337	8782
2018	359	8188
2019	360	8730
2020	109	1954
Average per Year	304	7542

*2020 COVID-19 Pandemic: All counties noted a severe decrease in the number of in-person presentations that were held in 2020 due to the Covid 19 Pandemic (facilities shutdowns/nature center closings and schools going virtual).

During 2020 educators turned to online forms of education and were able to present some programs by Zoom or GoogleMeet. Video outlines were prepared in 2020 and later produced and shared on agency YouTube Channels for teachers & youth group leaders to share with students in 2021 and 2022.

BHCSWMC (Waste Trac) videos on backyard composting & vermicomposting-
YouTube: <https://www.youtube.com/channel/UCzBpmaATP5uwVv8GHM6NrIw>

Fayette County Conservation Board videos on recycling-

YouTube:

<https://www.youtube.com/watch?v=3X8QdQ1cX1g&list=PLkSDWCSaux0R7epI-6zmR1jTwVPRZGSVc>

Linked on conservation website:

<https://www.fayettecountyconservation.org/whats-new>

Mike the Milk Jug, Tammy the Tin Can, Nellie the Newspaper, Rodney the Roll-off Box, Chester the Cardboard Kid, Mike the Milk Jug & Friends, & Tour of Fayette County Recycling Center.

Education Stats from Last Plan (2011- 2015)

Bremer County Conservation:

2011- 2016 Average annual number of programs:	unknown
Average annual number of students:	1289

Buchanan County Conservation:

2011- 2016 Average annual number of programs:	60
Average annual number of students:	1200

Fayette County Conservation-Gilbertson Nature Center:

2011- 2016 Average annual number of programs:	58
Average annual number of students:	1168

Waste Trac Education of Black Hawk County:

2011- 2016 Average annual number of programs:	351
Average annual number of students:	7822

***Outreach and Public Information Goal:**

Over the course of the last plan many Commission websites, City websites, private recycling company websites & commission/city/business social media pages (Facebook, Twitter) have been created. The websites remain a useful tool for listing items accepted

for recycling, locations of recycling opportunities, yard waste rules, garbage policies, whereas social media allows the cities/agencies/commissions an opportunity to address timely matters, press releases, and events of importance happening in the community.

- Commission Websites:

Black Hawk County Solid Waste Management Commission (www.wastetrac.org/index.html). During the spring of 2016 the BHCSWMC website was overhauled and expanded with information about the landfill (fees, policies, hours, etc), educational opportunities, and resource pages (backyard composting, household hazardous materials, etc).

Fayette County Transfer Station:

<https://fayettecounty.iowa.gov/departments/transfer-station/>

Fayette County Recycling Center: (www.fayettecountyiowa.org/RECYCLING.html)

- City Websites/Social Media:

Since the last plan many of the cities have updated sanitation/recycling pages of websites and developed Facebook pages that provide additional information regarding waste disposal, yard waste education, household hazardous materials, bulk item pickup, and recycling opportunities/tips.

- Newsletters:

The BHCSWMC puts out an e-newsletter on a needs basis around special HHM events. The City of Cedar Falls city quarterly newsletter (Currents- paper & digital) includes typically 1-2 pages of Sanitation/Recycling/yard waste/HHM updates. A large number of cities provide solid waste updates in quarterly newsletters & included news of HHM events/RCC hours, yard waste updates, recycling tips, etc.

- **Event Recycling at Festivals/City Celebrations:**

The BHCSWMC promotes event recycling in the planning area. A total of 105 frames with lids can be loaned out for the purpose of recycling plastic bottles, redeemable containers, and paper at events such as weddings, festivals, carnivals, sporting events, walk/run events, reunions, and fundraisers. All communities/organizations that reside in the INRCOG planning area can borrow the equipment for local events with an equipment deposit. The event recycling frames were originally purchased through a SWAP grant from the DNR and additional equipment was purchased since the last plan to accommodate the larger festivals in the area such as the Iowa Irish Fest (Waterloo) that gets 40,000- 50,000 visitors over a weekend. Information about the program, brochure, and application to lock in dates to request equipment can be found at <https://wastetrac.org/event-recycling/>.

Household Hazardous Materials and E-Waste Program Goal:

- Bremer County, Buchanan County, & Grundy County continue to provide & publicize their Regional Collection Center (RCC) services.
- Fayette County Solid Waste Management Commission
 - HHM: sponsors a household hazardous materials event the 1st Saturday of each October. Events were held on 10-1 2016, 10-7-2017, 10-6-2018, 10-5-2019, and 10-3-2020. An average of 40 participants bring HHM's to these events.
 - Electronics Recycling: All Recyclable Electronics must be taken to the Fayette County Transfer Station. In October of 2001 the Fayette County Solid Waste Management Commission implemented an Electronics Recycling Program and banned TV's and Computer Monitors. There are charges to recycle TV's, Computer Monitors, Computer Printers, Fax Machines, and Copy Machines. All other electronic equipment can currently be recycled at no charge. Electronics are accepted on a daily basis during regular operational hours at the Fayette County Transfer Station. The transfer station works with Midwest Electronic Recovery for e-waste recycling.
- BHCSWMC continues to partner with the City of Cedar Falls and City of Waterloo (& vendors) to offer 2 drop-off events annually for Black Hawk County residents to properly manage household hazardous materials & electronics waste. Eight events were held from 2016-2020. The drop-off events in 2020 event were canceled due to the Covid-19 pandemic. Each spring the City of Waterloo hosts the event and each fall the event is located in Cedar Falls. Since the BHCSWMC does not have an HHM Regional Collection Center, this event is a service to the residents which provides an opportunity twice each year for safe disposal and recycling of hazardous materials and electronics. All items can be dropped off for free with the exception of Cathode Ray Tubes (CRTs). Each vehicle can drop off 2 CRTs at no cost. Each additional CRT has a \$5 charge. Electronics are recycled through Midwest Electronic Recovery. Flyers are distributed throughout the county before each event to city halls, libraries, public works offices and local newspapers. All promotions for the event clearly list the items that are and are not accepted. Since the last Comp Plan, the number of vehicles participating is down slightly (2011- 2015 saw an average of 807 vehicles per event vs an average of 732 vehicles for the years 2016-2019). The amount of HHM and electronics has begun to taper, while the cost of managing the household hazardous materials has increased significantly. See below chart and Figures 1 through 3 for trends over time.

BHCSWMC Household Hazardous Materials & E-waste Recycling Events:

Drop-off Event	Vehicles per Event	HHM Disposal	E-waste Recycling
Spring 2016	830	\$19,650.96	\$8,518.40
Fall 2016	694	\$20,431.87	\$4,330.20
Spring 2017	878	\$18,667.48	\$9,881.00
Fall 2017	955	\$22,025.64	\$8,311.15
Spring 2018	754	\$17,885.85	\$8,020.80
Fall 2018	813	\$20,202.51	\$5,571.10
Spring 2019	854	\$32,601.72	\$8,662.60
Fall 2019	913	\$29,882.81	\$5,470.60

Figure 1- Number of Vehicles Participating in BHCSWMC Drop-Off Events:

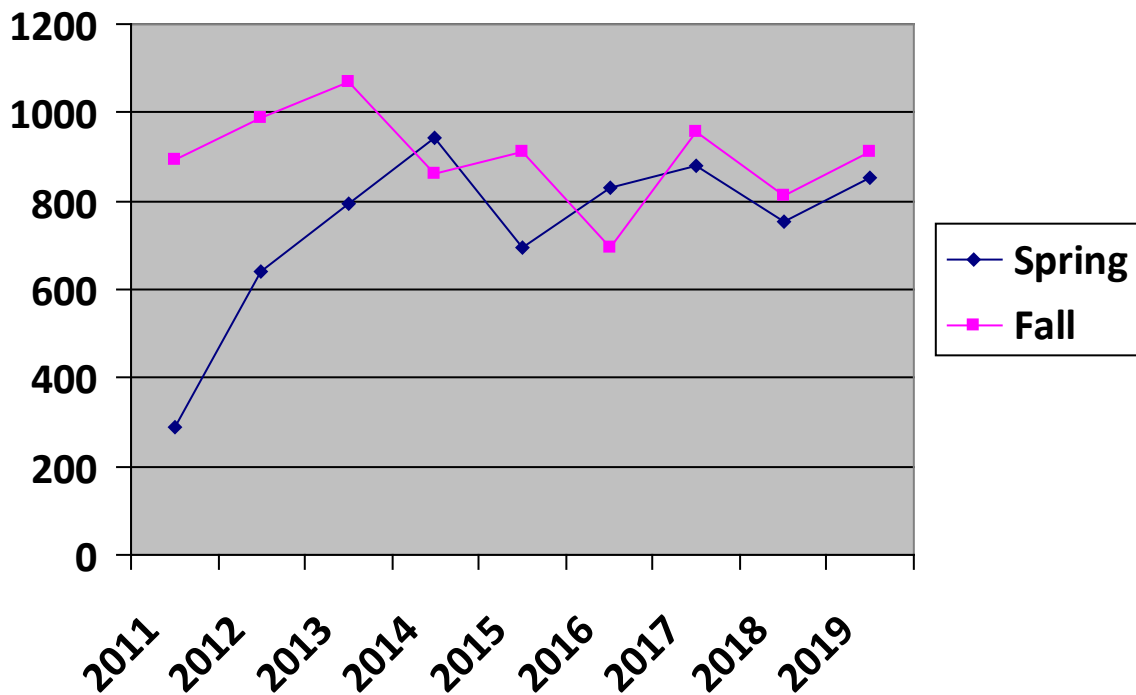


Figure 2- Dollars Spent on Proper Disposal of HHM (BHCSWMC):

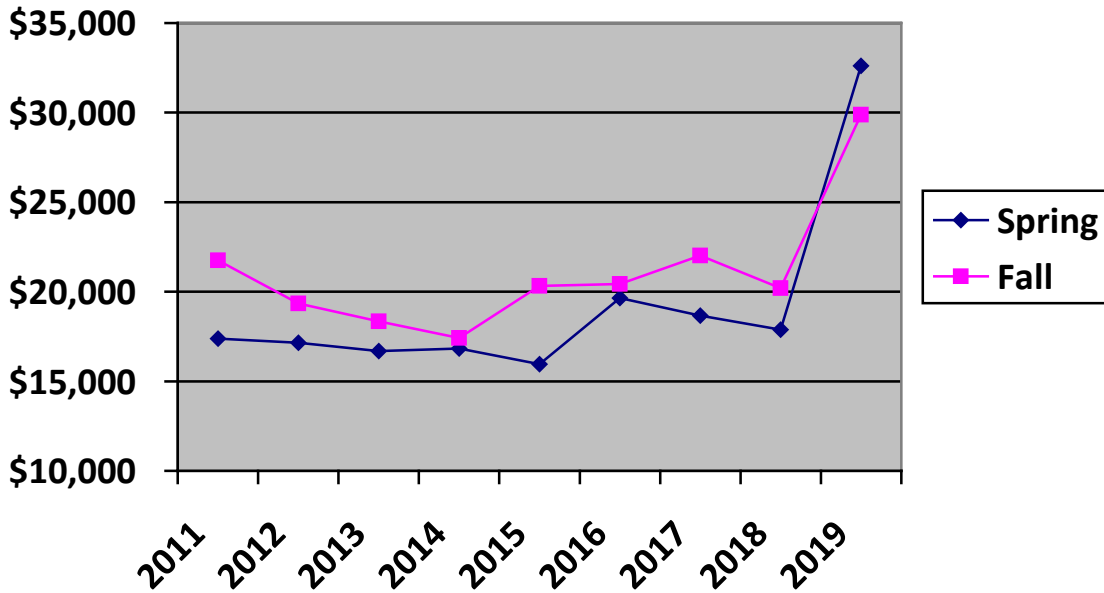
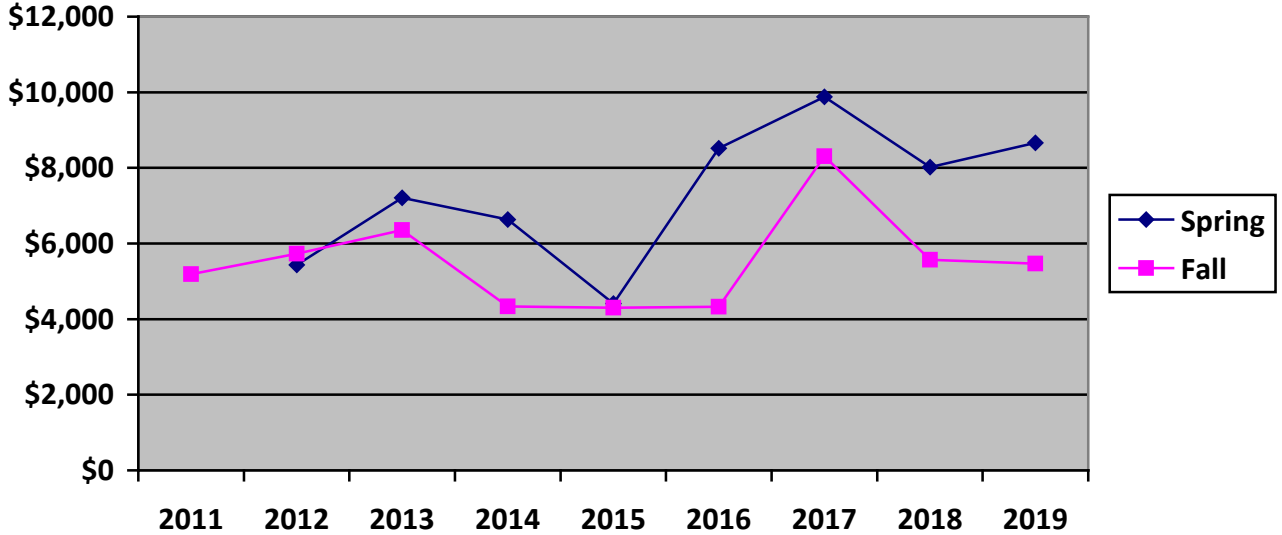


Figure 3- Dollars spent on Recycling of E-Waste (BHCSWMC):



***Fall 2011:** 1st drop-off BHCSWMC event that included Electronics Recycling

3-Recycling Programs and Diversion

***Business Assistance Goal:**

Business and industrial waste makes up a significant portion of landfilled material. The Iowa Waste Exchange (IWE) is active in the Planning Area (and beyond) as an available

resource to assist businesses and industries in finding matches for reusable and recyclable materials. IWE is primarily funded by the state with local matches provided to assist businesses, manufacturers, institutions, local governments, and individuals who generate waste by finding reuse opportunities or recyclers to take the material. This results in a reduction of landfill fees and dumpster rental costs for the generator and it also provides the party receiving the material with cost avoidance in purchasing new material. The Area 3 IWE Resource Specialist has a mandatory goal of 772 assistances as well as a suggested diversion goal of 24,097 tons of landfill diversion annually. Assistance goals were met all of the years of the plan and tonnage diversion goals in Area 3 were met 2 of the 5 years.

***Construction & Demolition Management Goal:**

Goals from Last Plan- Address Shingles & Construction Waste

Shingles:

Construction and demolition materials (C&D) are an on-going waste coming from contractors in the planning area and often spikes during a disaster or storm event. The nature of this material can be heavy, bulky, often mixed materials, and sometimes difficult to handle. The City of Cedar Falls offered a Shingles Recycling Program from July 2014 (inception) to June 30, 2022. A total of 3,866.26 tons of shingles were recycled through the program.

Construction Waste:

In the Fall of 2015 the Habitat for Humanity ReStore opened in Waterloo, providing a venue for diverting reusable doors, windows, light fixtures, lumber, and other building materials from remodel projects or surplus donations from big box home improvement retailers. Commissions, cities, & Iowa Waste Exchange refer citizens & businesses to ReStore. Links from commission & city websites to the ReStore website give citizens an idea of what materials can be donated.

4-Encourage Yard Waste Composting & Backyard Composting

***Goals**

1. Continue to promote and encourage cities to make yard waste composting available to their residents
2. Continue to share information about backyard composting technique

During the last comp plan years Commissions and cities included content/links on websites about city yard waste guidelines as well as backyard composting. BHCSWMC partnered with Green Iowa AmeriCorps to host a sale of backyard compost bins (Summer 2019 & Spring 2020). Waste Trac outreach offered backyard composting workshops during both campaigns, in person and virtually. Vermicomposting activities and videos were provided to school and youth groups. Solid waste education offered by

Buchanan, Bremer, and Fayette County Conservation Boards included programs on composting and vermicomposting.

Continued efforts, as set forth above, and as projected in the future timeline described in Section X below, detail the types of programs and activities the INRCOG Planning Area intends to pursue in order to maintain and improve the diversion percentage.

IX. Analysis of Solid Waste Alternatives: *101.13(2)"i"*

There are no current plans for alternative methods within the Planning Area other than continued efforts by the municipalities to increase recycling usage and continue proper disposal of HHM. In addition, IWE will continue to provide diversion assistance to businesses in the Planning Area. There are a growing number of companies that are working with Midwest companies to address their sludge, oil-contaminated waste, etc. Due to confidentiality, it is difficult to pinpoint the amount of material going into these programs or to waste-to-energy facilities. John Deere is currently working with Convanta for managing their sludge. Several planning area companies are working with Hydrite Chemical and OSI Environmental to address some of their processes that involve solvents, sludges, waste paints, oil filters.

X. Implementation Timeline: *101.13(2)"j"*

The Planning Area and all of its cities, counties, and commissions remain committed to continue improving the existing efforts to reduce, recycle, and divert materials being sent to the landfill. In that effort, evaluation of the programs and commitment of resources will continue to be a vital part of the Planning Area’s goals.

Following, in Sections 10.1 through 10.5, is a summary of the activities that are expected to guide the Planning Area in its implementation of continued reduction activities over future planning cycles. All activities will continue to be subject to evaluation as to the effectiveness of each activity.

Activities: 1/1/2021 – 12/31/2025:

10.1- Black Hawk County Landfill Activities

Activity	Description	Organization	Time Period
Cell Permitting Process & Cell Construction	BHCSWMC completed the Cells W-3 and W-4 permitting process in January 2020 adding 13 million cubic yards (cyds) to receive an estimated 6.5 million tons of waste with	BHCSWMC	2020- 2025

	approximately 36 years of permitted capacity. During this comp plan cycle Cell W-3 Phase 1 was constructed with slightly over 1 million cyds with a life expectancy of 3 years. Commission will construct its Cell W-3 Phase II and III in 2024 through competitive bidding, adding an additional 5.5 million cubic yards with approximately 15 years of capacity at the current rate.		
Participate in IDNR Waste Characterization Study	The study will help identify the types of waste received from residential and commercial sources. The research will allow the planning area to evaluate the local data and discuss potential strategies to put into place to divert materials from the landfill.	BHCSWMC	Study: 2022. Education: Ongoing
Conduct Greenhouse Gas Inventory & Adopt Climate Action Plan	BHCSWMC will conduct a greenhouse gas inventory, develop and adopt a climate action plan with established strategies to reduce the Black Hawk County Landfill's GHG footprint.	BHCSWMC	2020- 2025
Black Hawk County Landfill- Landfill Gas	Identify potential vendors interested in purchasing the Black Hawk County Landfill's landfill gas and process into a marketable renewable gas.	BHCSWMC	On-going

Anticipated Impact on the Waste Stream and Diversion:

The results of the Waste Characterization Study will provide a guideline for targeting materials that are making their way into the waste stream but may be highly recyclable, compostable, or an item that could have been reused. When you know what's in your garbage you can tailor your programs to try and divert those materials from the landfill.

10.2- Education and Information

Activity	Description	Organization	Time Period
Grant Program for Black Hawk County Schools	BHCSWMC will discuss and develop a grant program to develop and foster environmental education within Black Hawk County schools. The program will provide funds to establish new, improve on and/or expand existing environmental education initiatives informing students on the impacts of their solid waste management decisions on society and on the environment.	Funded by BHCSWMC	Ongoing
Green Iowa AmeriCorps <i>Sustainable Schools</i> Program	Continue contractual partnership with Black Hawk Co. Public Health Department and University of Iowa to be a Host site for Green Iowa AmeriCorps Sustainable Schools program with a focus on healthy food choices, personal nutrition, local food production, food preparation and preservation and other food waste related topics with an emphasis on human health and environmental impacts of their food choices.	BHCSWMC	Ongoing
WasteTrac.org Website Changes	Establish contractual relationship to transition portions of the Wastetrac.org website to BHCLandfill.org address for landfill and Commission specific information, update	BHCSWMC	2020- 2025

	Wastetrac.org for the education and outreach function, publish quarterly newsletter to general public and to landfill customers and to manage social media accounts to assist with promoting waste reduction and diversion opportunities and assist member communities with promotion of their recycling programs.		
Partnerships with Iowa Waste Exchange & Iowa Waste Reduction Center/UNI	Continue to financially support the Iowa Waste Exchange to encourage waste reuse within the business and industrial community. Discuss and evaluate other potential opportunities through the University of Northern Iowa and local business organizations.	BHCSWMC	Ongoing
Banned Items Educational Outreach	Develop an education outreach program to assist customers in understanding why items are banned, disposal options outside the landfill and environmental and social implications of their decision to attempt to landfill banned items.	BHCSWMC	Ongoing
Cedar Falls-website	Information regarding Cedar Falls recycling programs, including locations and procedures, and related diversion options.	Cedar Falls	Ongoing
Waterloo-website & Facebook	Information regarding Waterloo recycling programs, including locations and procedures, and related diversion	Waterloo	Ongoing

	options.		
Cities in the Planning Area	Evaluate city websites. Add garbage, recycling, yard waste, HHM and other waste diversion content to websites, social media sites and city newsletters/utility billings.	Municipalities in INRCOG Planning Area	Ongoing
Bremer County Conservation Board	Information regarding proper methods of disposing of HHM, and provide educational programming opportunities.	Bremer County	Ongoing
Fayette County Solid Waste Management Commission websites & Fayette County Conservation Board	Information regarding recycling education, Recycling Center contacts, hours, and locations; recycling materials list, and charges.	Fayette County Solid Waste Management Commission	Ongoing
Buchanan County Conservation Board	Provide environmental educational programming opportunities and hands-on workshops for students and adults.	Buchanan County	Ongoing
Iowa Waste Exchange	Provide information regarding recycling and alternative uses for waste material as well as business assistance. Provide cafeteria waste sorts and waste audits at colleges, schools, & businesses.	IWE	Ongoing

Anticipated Impact on Waste Stream:

Planning for the next Comprehensive Plan period will continue to direct educational efforts at school age populations as well as adults. Outreach by education partners as well as municipalities will help to reduce recycling contamination, allowing clean commodities to make it to market rather than being landfilled. Solid waste information on municipal websites (or links to recycling vendors) will help citizens reduce their “wishcycling” (putting improper items in the bin, wishing they can be recycled). Partnerships with community groups will provide the synergy needed to accomplish the buzz needed to put solid waste initiatives back in the forefront.

10.3- Household Hazardous Materials & Electronics Waste

Activity	Description	Organization	Time Period
HHM Drop-off Events	Continue to partner with the cities of Cedar Falls & Waterloo to offer semi-annual collection of HHM's and electronics waste for Black Hawk County residents.	BHCSWMC	Ongoing
City of Cedar Falls	Continue to host the HHM drop-off day as an annual fall event for proper disposal of HHM and the recycling of E-waste for residents of Black Hawk County.	BHCSWMC/ City of Cedar Falls	Annually in Fall
City of Waterloo	Continue to host the HHM drop-off day as an annual spring event and for proper disposal of HHM and the recycling of E-waste for residents of Black Hawk County.	BHCSWMC/ City of Waterloo	Annually in Spring
HHM Management Alternatives	Explore option of contracting with another entity to provide small more frequent HHW events and review the funding mechanisms for this program to remove the dependance on the landfill tipping fees to fund the program.	BHCSWMC	Ongoing
E-Waste Management Alternatives	Explore and contract with a vendor to provide electronic waste collection from residents within the	BHCSWMC	Ongoing

	Black Hawk County area on a weekly or more frequent basis.		
Bremer County HHM Collection Center	Continue to provide and publicize collection center availability.	Bremer County	Ongoing
Buchanan County HHM Collection Center	Continue to provide and publicize collection center availability.	Buchanan County	Ongoing
Grundy County HHM Collection Center	Continue to provide and publicize collection center availability.	Grundy County	Ongoing
Fayette County HHM collection Event	Continue to promote responsible disposal of HHMs and publicize the event details.	Fayette County	Annually in Fall
Individual city HHM and E-waste collection events	Continue to encourage individual cities to hold collection activities for HHM and E-waste.	Planning Area Municipalities	Annually in municipalities providing service

Anticipated Impact on Waste Stream:

It is essential for the planning area to have opportunities for proper disposal of HHM as well as recycling of E-waste. While keeping these items out of the landfill may only result in minimal volume and tonnage reduction, the toxicity reduction may be significant. It also provides homeowners an opportunity for getting toxic materials out of the house for a safer living environment.

10.4- Recycling Programs and Diversion

Activity	Description	Organization	Time Period
Grants for Diversion Programs	Provide grant to member and non-member communities to support their recyclable item collection programs and provide annually and collect performance data to record goal progress for Black Hawk County Communities.	BHCSWMC	Ongoing
Assistance with Public Outreach	Assist Black Hawk County community in address public information and educational	BHCSWMC	Ongoing

	campaigns, efforts to reduce recycling contamination and implement technology to improve their pay-as-you-throw programs.		
Information Gathering for Recycling Processing Facility	Explore and discuss the merits of a planning area wide recycling processing facility within the Cedar Valley.	BHCSWMC & Planning Area Commissions/ Cities	
Construction & Demolition Recycling	Explore potential markets, feedstocks and identify support needed to establish a C & D recycling program.	BHCSWMC	Ongoing
Styrofoam (EPS) recycling	Provide a method of collection, densification, and recycling of expanded polystyrene plastic in Cedar Falls and surrounding communities. Also provide the necessary information available to public and businesses regarding the program.	City of Cedar Falls	Ongoing
Glass Recycling	Continue to offer glass recycling. Share experience with other cities interested in recycling with Ripple Glass.	City of Cedar Falls	Ongoing
Iowa Waste Exchange	Partial funding of IWE services, including services to businesses, manufacturers, local governments, and institutions, encouraging matching of byproducts and waste products.	BHCSWMC	Ongoing (annually)
Support Reuse Organizations	Encourage and support reuse opportunities provided by organizations such as Habitat for Humanity ReStore, Goodwill, Stuff Etc, Facebook Marketplace, Buy Nothing groups, Craigs List, and Facebook Marketplace and other organizations within the planning area.	BHCSWMC, Commissions, & Cities	Ongoing

Anticipated Impact on Waste Stream:

In the city survey, many of the cities cited that one of their obstacles in updating flyers, websites, newsletters, etc is a lack of staff and funds. By providing grants and assistance to communities, it is hoped that municipalities will evaluate and update the solid waste content on their city websites and city publications. Although overlooked sometimes in the hierarchy of waste management, reuse of items is beneficial to the planning area. Support of reuse organizations will bring greater awareness to the general public and hopefully result in greater donations/reuse of goods and less landfilling.

10.5- Encourage Proper Yard Waste Management

Activity	Description	Organization	Time Period
Promote Composting of Yard Waste	Continue to promote and encourage cities to make yard waste composting available to their residents and to educate their citizens about yard waste guidelines on city websites/publications.	Planning Area and cities individually	Ongoing
Provide Educational Programs. Provide Yard Waste & Backyard Composting Content on Commission/City websites	Continue to increase awareness and promote backyard composting as a residential and small business organic waste management strategy.	BHCSWMC, Commissions, Cities, and Education Partners	Ongoing

Anticipated Impact on Waste Stream:

The Black Hawk County Landfill will continue to grind and compost all tree waste. Residents in the Planning Area will be encouraged to manage their yard waste and tree waste in their backyards or at the local yard waste facilities. Since these measures are currently being done there will be no changes in the waste stream regarding this material. Food waste was 20% of Iowa’s waste stream in the 2017 Waste Characterization Study. Engaging families and small businesses in composting food waste along with yard waste in backyards could have an impact on both tonnage diverted and greenhouse gas emissions.

LIST OF EXHIBITS

Ex. #

Resolutions:

Bremer County (Bremer County Board of Supervisors)	1
Denver	2
Frederika	3
Janesville.....	4
Plainfield	5
Readlyn.....	6
Sumner	7
Tripoli	8
Waverly.....	9
Buchanan County Sanitary Landfill Commission.....	10
Fayette County Solid Waste Management Commission.....	11
Grundy County	
Dike	12
Grundy Center	13
Morrison.....	14
Reinbeck	15
Stout.....	16

Letter of Cooperation:

Cedar Valley Transfer and Recycling.....	17
Waste Management.....	18

Public Hearings/ Meetings:

Plan Development Informational Meeting- Minutes (1 st Meeting).....	19
Plan Development/Goal Setting Meeting- Minutes (2 nd Meeting).....	20
Plan Development/Goal Setting Mtg- Attendance Record (2 nd Meeting)	21
Plan Development/Goal Setting Mtg- Public Notice (2 nd Meeting)	22

Coming Soon:

Public Review Draft Plan- Meeting Minutes (3 rd meeting).....	23
Public Review Draft Plan Mtg- Attendance Record (3 rd Meeting)	24
Public Review Draft Plan Mtg- Public Notice (3 rd Meeting).....	25
IDNR Base-year Adjustment Report Table.....	26

21-
RESOLUTION 96

A RESOLUTION OF BREMER COUNTY PARTICIPATING IN THE SOLID WASTE COMPREHENSIVE PLANNING PROCESS AND BUDGET FOR THE INRCOG PLANNING AREA (8TH REVISION).

WHEREAS, all cities and counties are required to participate in solid waste comprehensive planning and must have adopted a corresponding plan, per Section 455B.306, as either a single local government, or through agreement with other local governments under Chapter 28E of the Iowa Code;

WHEREAS, the Iowa Department of Natural Resources (IDNR) administers the solid waste comprehensive planning process, including review of all draft plans, agreements, and permits;

WHEREAS, through an existing 28E agreement, as amended, or approval by the IDNR, there are Six (6) parties responsible for developing a Solid Waste Comprehensive Plan in the Iowa Northland Regional Council of Governments (INRCOG) Planning Area, including INRCOG, the Black Hawk County Solid Waste Management Commission, Bremer County Board of Supervisors, Buchanan County Solid Waste Management Commission, Fayette County Solid Waste Management Commission, and Grundy County Solid Waste Management Commission (five remaining cities in the original agreement only);

WHEREAS, Bremer County will participate in the 8th Revision of the INRCOG Planning Area Comprehensive Solid Waste Planning process, including providing requested solid waste management information, participation in meetings and planning sessions, and adoption of the resulting 8th Revision or Update of the Plan;

WHEREAS, the total estimated cost of the INRCOG Planning Area Solid Waste Comprehensive Plan update is \$27,000 and will be assessed to the Parties on a population basis.

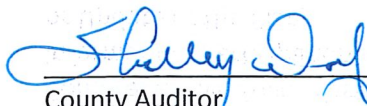
WHEREAS, Bremer County will financially contribute to the expenses associated with the 8th Revision of the INRCOG Planning Area Comprehensive Solid Waste Planning, through direct payment to Iowa Northland Regional Council of Governments, in the amount of \$800.00, by May 31st, 2022. If payment is not received in a timely manner, Black Hawk County Solid Waste Management Commission will reduce the annual Recycling Grant Award due to the community or/or deny use of the Black Hawk County Landfill; and

NOW THEREFORE, it is hereby resolved that Bremer County finds it in its best interest to participate, as outlined above, in the INRCOG Comprehensive Solid Waste Management Plan Update, 8th Revision.

Passed, approved and adopted this 6 day of December, 2021.


Chair
Bremer County Board of Supervisors

ATTEST:


County Auditor
Bremer County

RESOLUTION 74-2021

A RESOLUTION OF THE CITY OF DENVER PARTICIPATING IN THE SOLID WASTE COMPREHENSIVE PLANNING PROCESS AND BUDGET FOR THE INRCOG PLANNING AREA (8TH REVISION).

WHEREAS, all cities and counties are required to participate in solid waste comprehensive planning and must have adopted a corresponding plan, per Section 455B.306, as either a single local government, or through agreement with other local governments under Chapter 28E of the Iowa Code;

WHEREAS, the Iowa Department of Natural Resources (IDNR) administers the solid waste comprehensive planning process, including review of all draft plans, agreements, and permits;

WHEREAS, through an existing 28E agreement, as amended, or approval by the IDNR, there are Six (6) parties responsible for developing a Solid Waste Comprehensive Plan in the Iowa Northland Regional Council of Governments (INRCOG) Planning Area, including INRCOG, the Black Hawk County Solid Waste Management Commission, Bremer County Board of Supervisors, Buchanan County Solid Waste Management Commission, Fayette County Solid Waste Management Commission, and Grundy County Solid Waste Management Commission (five remaining cities in the original agreement only);

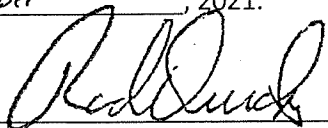
WHEREAS, the City of Denver will participate in the 8th Revision of the INRCOG Planning Area Comprehensive Solid Waste Planning process, including providing requested solid waste management information, participation in meetings and planning sessions, and adoption of the resulting 8th Revision or Update of the Plan;

WHEREAS, the total estimated cost of the INRCOG Planning Area Solid Waste Comprehensive Plan update is \$27,000 and will be assessed to the Parties on a population basis.

WHEREAS, the City of Denver will financially contribute to the expenses associated with the 8th Revision of the INRCOG Planning Area Comprehensive Solid Waste Planning, through direct payment to Iowa Northland Regional Council of Governments, in the amount of \$300.00, by May 31st, 2022. If payment is not received in a timely manner, Black Hawk County Solid Waste Management Commission will reduce the annual Recycling Grant Award due to the community or/or deny use of the Black Hawk County Landfill; and

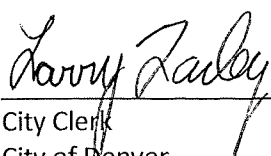
NOW THEREFORE, it is hereby resolved that the City of Denver finds it in its best interest to participate, as outlined above, in the INRCOG Comprehensive Solid Waste Management Plan Update, 8th Revision.

Passed, approved and adopted this 6th day of December, 2021.



Mayor
City of Denver

ATTEST:



City Clerk
City of Denver

A RESOLUTION OF THE CITY OF FREDERIKA PARTICIPATING IN THE SOLID WASTE COMPREHENSIVE PLANNING PROCESS AND BUDGET FOR THE INRCOG PLANNING AREA (8TH REVISION).

WHEREAS, all cities and counties are required to participate in solid waste comprehensive planning and must have adopted a corresponding plan, per Section 455B.306, as either a single local government, or through agreement with other local governments under Chapter 28E of the Iowa Code;

WHEREAS, the Iowa Department of Natural Resources (IDNR) administers the solid waste comprehensive planning process, including review of all draft plans, agreements, and permits;

WHEREAS, through an existing 28E agreement, as amended, or approval by the IDNR, there are Six (6) parties responsible for developing a Solid Waste Comprehensive Plan in the Iowa Northland Regional Council of Governments (INRCOG) Planning Area, including INRCOG, the Black Hawk County Solid Waste Management Commission, Bremer County Board of Supervisors, Buchanan County Solid Waste Management Commission, Fayette County Solid Waste Management Commission, and Grundy County Solid Waste Management Commission (five remaining cities in the original agreement only);

WHEREAS, the City of Frederika will participate in the 8th Revision of the INRCOG Planning Area Comprehensive Solid Waste Planning process, including providing requested solid waste management information, participation in meetings and planning sessions, and adoption of the resulting 8th Revision or Update of the Plan;

WHEREAS, the total estimated cost of the INRCOG Planning Area Solid Waste Comprehensive Plan update is \$27,000 and will be assessed to the Parties on a population basis.

WHEREAS, the City of Frederika will financially contribute to the expenses associated with the 8th Revision of the INRCOG Planning Area Comprehensive Solid Waste Planning, through direct payment to Iowa Northland Regional Council of Governments, in the amount of \$100.00, by May 31st, 2022. If payment is not received in a timely manner, Black Hawk County Solid Waste Management Commission will reduce the annual Recycling Grant Award due to the community or/ or deny use of the Black Hawk County Landfill; and

NOW THEREFORE, it is hereby resolved that the City of Frederika finds it in its best interest to participate, as outlined above, in the INRCOG Comprehensive Solid Waste Management Plan Update, 8th Revision.

Passed, approved and adopted this 19th day of January, 2022.

ATTEST:

Andy [Signature]
City Clerk
City of Frederika

[Signature]
Mayor
City of Frederika

RESOLUTION 1768-22

A RESOLUTION OF THE CITY OF JANESVILLE PARTICIPATING IN THE SOLID WASTE COMPREHENSIVE PLANNING PROCESS AND BUDGET FOR THE INRCOG PLANNING AREA (8TH REVISION).

WHEREAS, all cities and counties are required to participate in solid waste comprehensive planning and must have adopted a corresponding plan, per Section 455B.306, as either a single local government, or through agreement with other local governments under Chapter 28E of the Iowa Code;

WHEREAS, the Iowa Department of Natural Resources (IDNR) administers the solid waste comprehensive planning process, including review of all draft plans, agreements, and permits;

WHEREAS, through an existing 28E agreement, as amended, or approval by the IDNR, there are Six (6) parties responsible for developing a Solid Waste Comprehensive Plan in the Iowa Northland Regional Council of Governments (INRCOG) Planning Area, including INRCOG, the Black Hawk County Solid Waste Management Commission, Bremer County Board of Supervisors, Buchanan County Solid Waste Management Commission, Fayette County Solid Waste Management Commission, and Grundy County Solid Waste Management Commission (five remaining cities in the original agreement only);

WHEREAS, the City of Janesville will participate in the 8th Revision of the INRCOG Planning Area Comprehensive Solid Waste Planning process, including providing requested solid waste management information, participation in meetings and planning sessions, and adoption of the resulting 8th Revision or Update of the Plan;

WHEREAS, the total estimated cost of the INRCOG Planning Area Solid Waste Comprehensive Plan update is \$27,000 and will be assessed to the Parties on a population basis.

WHEREAS, the City of Janesville will financially contribute to the expenses associated with the 8th Revision of the INRCOG Planning Area Comprehensive Solid Waste Planning, through direct payment to Iowa Northland Regional Council of Governments, in the amount of \$200.00, by May 31st, 2022. If payment is not received in a timely manner, Black Hawk County Solid Waste Management Commission will reduce the annual Recycling Grant Award due to the community or/or deny use of the Black Hawk County Landfill; and

NOW THEREFORE, it is hereby resolved that the City of Janesville finds it in its best interest to participate, as outlined above, in the INRCOG Comprehensive Solid Waste Management Plan Update, 8th Revision.

Passed, approved and adopted this 24th day of May, 2021.



Mayor
City of Janesville

ATTEST:



City Clerk
City of Janesville

RESOLUTION 2021-24

A RESOLUTION OF THE CITY OF PLAINFIELD PARTICIPATING IN THE SOLID WASTE COMPREHENSIVE PLANNING PROCESS AND BUDGET FOR THE INRCOG PLANNING AREA (8TH REVISION).

WHEREAS, all cities and counties are required to participate in solid waste comprehensive planning and must have adopted a corresponding plan, per Section 455B.306, as either a single local government, or through agreement with other local governments under Chapter 28E of the Iowa Code;

WHEREAS, the Iowa Department of Natural Resources (IDNR) administers the solid waste comprehensive planning process, including review of all draft plans, agreements, and permits;

WHEREAS, through an existing 28E agreement, as amended, or approval by the IDNR, there are Six (6) parties responsible for developing a Solid Waste Comprehensive Plan in the Iowa Northland Regional Council of Governments (INRCOG) Planning Area, including INRCOG, the Black Hawk County Solid Waste Management Commission, Bremer County Board of Supervisors, Buchanan County Solid Waste Management Commission, Fayette County Solid Waste Management Commission, and Grundy County Solid Waste Management Commission (five remaining cities in the original agreement only);

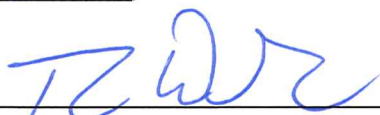
WHEREAS, the City of Plainfield will participate in the 8th Revision of the INRCOG Planning Area Comprehensive Solid Waste Planning process, including providing requested solid waste management information, participation in meetings and planning sessions, and adoption of the resulting 8th Revision or Update of the Plan;

WHEREAS, the total estimated cost of the INRCOG Planning Area Solid Waste Comprehensive Plan update is \$27,000 and will be assessed to the Parties on a population basis.

WHEREAS, the City of Plainfield will financially contribute to the expenses associated with the 8th Revision of the INRCOG Planning Area Comprehensive Solid Waste Planning, through direct payment to Iowa Northland Regional Council of Governments, in the amount of \$200.00, by May 31st, 2022. If payment is not received in a timely manner, Black Hawk County Solid Waste Management Commission will reduce the annual Recycling Grant Award due to the community or/or deny use of the Black Hawk County Landfill; and


NOW THEREFORE, it is hereby resolved that the City of Plainfield finds it in its best interest to participate, as outlined above, in the INRCOG Comprehensive Solid Waste Management Plan Update, 8th Revision.

Passed, approved and adopted this 14th day of December, 2021.



Mayor
City of Plainfield

ATTEST:



City Clerk
City of Plainfield

RESOLUTION 863

A RESOLUTION OF THE CITY OF READLYN PARTICIPATING IN THE SOLID WASTE COMPREHENSIVE PLANNING PROCESS AND BUDGET FOR THE INRCOG PLANNING AREA (8TH REVISION).

WHEREAS, all cities and counties are required to participate in solid waste comprehensive planning and must have adopted a corresponding plan, per Section 455B.306, as either a single local government, or through agreement with other local governments under Chapter 28E of the Iowa Code;

WHEREAS, the Iowa Department of Natural Resources (IDNR) administers the solid waste comprehensive planning process, including review of all draft plans, agreements, and permits;

WHEREAS, through an existing 28E agreement, as amended, or approval by the IDNR, there are Six (6) parties responsible for developing a Solid Waste Comprehensive Plan in the Iowa Northland Regional Council of Governments (INRCOG) Planning Area, including INRCOG, the Black Hawk County Solid Waste Management Commission, Bremer County Board of Supervisors, Buchanan County Solid Waste Management Commission, Fayette County Solid Waste Management Commission, and Grundy County Solid Waste Management Commission (five remaining cities in the original agreement only);

WHEREAS, the City of Readlyn will participate in the 8th Revision of the INRCOG Planning Area Comprehensive Solid Waste Planning process, including providing requested solid waste management information, participation in meetings and planning sessions, and adoption of the resulting 8th Revision or Update of the Plan;

WHEREAS, the total estimated cost of the INRCOG Planning Area Solid Waste Comprehensive Plan update is \$27,000 and will be assessed to the Parties on a population basis.

WHEREAS, the City of Readlyn will financially contribute to the expenses associated with the 8th Revision of the INRCOG Planning Area Comprehensive Solid Waste Planning, through direct payment to Iowa Northland Regional Council of Governments, in the amount of \$200.00, by May 31st, 2022. If payment is not received in a timely manner, Black Hawk County Solid Waste Management Commission will reduce the annual Recycling Grant Award due to the community or/or deny use of the Black Hawk County Landfill; and

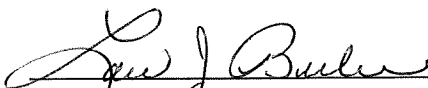
NOW THEREFORE, it is hereby resolved that the City of Readlyn finds it in its best interest to participate, as outlined above, in the INRCOG Comprehensive Solid Waste Management Plan Update, 8th Revision.

Passed, approved and adopted this 13th day of December, 2021.



Mayor
City of Readlyn

ATTEST:



City Clerk
City of Readlyn

RESOLUTION 632

A RESOLUTION OF THE CITY OF SUMNER PARTICIPATING IN THE SOLID WASTE COMPREHENSIVE PLANNING PROCESS AND BUDGET FOR THE INRCOG PLANNING AREA (8th REVISION).

WHEREAS, all cities and counties are required to participate in solid waste comprehensive planning and must have adopted a corresponding plan, per Section 455B.306, as either a single local government, or through agreement with other local governments under Chapter 28E of the Iowa Code;

WHEREAS, the Iowa Department of Natural Resources (IDNR) administers the solid waste comprehensive planning process, including review of all draft plans, agreements, and permits;

WHEREAS, through an existing 28E agreement, as amended, or approval by the IDNR, there are Six (6) parties responsible for developing a Solid Waste Comprehensive Plan in the Iowa Northland Regional Council of Governments (INRCOG) Planning Area, including INRCOG, the Black Hawk County Solid Waste Management Commission, Bremer County Board of Supervisors, Buchanan County Solid Waste Management Commission, Fayette County Solid Waste Management Commission, and Grundy County Solid Waste Management Commission (five remaining cities in the original agreement only);

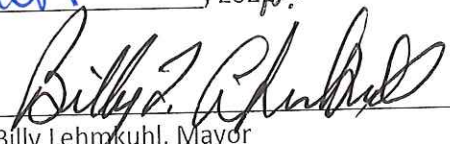
WHEREAS, the City of Sumner will participate in the 8th Revision of the INRCOG Planning Area Comprehensive Solid Waste Planning process, including providing requested solid waste management information, participation in meetings and planning sessions, and adoption of the resulting 8th Revision or Update of the Plan;

WHEREAS, the total estimated cost of the INRCOG Planning Area Solid Waste Comprehensive Plan update is \$27,000 and will be assessed to the Parties on a population basis.

WHEREAS, the City of Sumner will financially contribute to the expenses associated with the 8th Revision of the INRCOG Planning Area Comprehensive Solid Waste Planning, through direct payment to Iowa Northland Regional Council of Governments, in the amount of \$500.00, by May 31st, 2022. If payment is not received in a timely manner, Black Hawk County Solid Waste Management Commission will reduce the annual Recycling Grant Award due to the community or/or deny use of the Black Hawk County Landfill; and

NOW THEREFORE, it is hereby resolved that the City of Sumner finds it in its best interest to participate, as outlined above, in the INRCOG Comprehensive Solid Waste Management Plan Update, 8th Revision.

Passed, approved and adopted this 21 day of March, 2022.


Billy Lehmkuhl, Mayor
City of Sumner


Lisa Oberbroeckling, City Clerk
City of Sumner

RESOLUTION 2022-27

A RESOLUTION OF THE CITY OF TRIPOLI PARTICIPATING IN THE SOLID WASTE COMPREHENSIVE PLANNING PROCESS AND BUDGET FOR THE INRCOG PLANNING AREA (8TH REVISION).

WHEREAS, all cities and counties are required to participate in solid waste comprehensive planning and must have adopted a corresponding plan, per Section 455B.306, as either a single local government, or through agreement with other local governments under Chapter 28E of the Iowa Code;

WHEREAS, the Iowa Department of Natural Resources (IDNR) administers the solid waste comprehensive planning process, including review of all draft plans, agreements, and permits;

WHEREAS, through an existing 28E agreement, as amended, or approval by the IDNR, there are Six (6) parties responsible for developing a Solid Waste Comprehensive Plan in the Iowa Northland Regional Council of Governments (INRCOG) Planning Area, including INRCOG, the Black Hawk County Solid Waste Management Commission, Bremer County Board of Supervisors, Buchanan County Solid Waste Management Commission, Fayette County Solid Waste Management Commission, and Grundy County Solid Waste Management Commission (five remaining cities in the original agreement only);

WHEREAS, the City of Tripoli will participate in the 8th Revision of the INRCOG Planning Area Comprehensive Solid Waste Planning process, including providing requested solid waste management information, participation in meetings and planning sessions, and adoption of the resulting 8th Revision or Update of the Plan;

WHEREAS, the total estimated cost of the INRCOG Planning Area Solid Waste Comprehensive Plan update is \$27,000 and will be assessed to the Parties on a population basis.

WHEREAS, the City of Tripoli will financially contribute to the expenses associated with the 8th Revision of the INRCOG Planning Area Comprehensive Solid Waste Planning, through direct payment to Iowa Northland Regional Council of Governments, in the amount of \$200.00, by May 31st, 2022. If payment is not received in a timely manner, Black Hawk County Solid Waste Management Commission will reduce the annual Recycling Grant Award due to the community or/or deny use of the Black Hawk County Landfill; and

NOW THEREFORE, it is hereby resolved that the City of Tripoli finds it in its best interest to participate, as outlined above, in the INRCOG Comprehensive Solid Waste Management Plan Update, 8th Revision.

PASSED and APPROVED this 4th day of April, 2022.

RCV:


Ayes: Ladage Christase
OH Boldt Causa

Nays

Ø

Absent

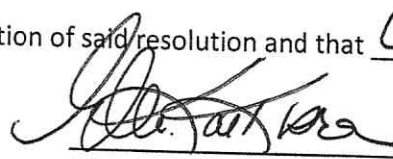
Ø


Ellen Kalkbrenner City Clerk/Treasurer


Brendt Bernard Mayor

"I hereby certify that the foregoing constitutes a true and complete copy of a resolution duly adopted by the City Council of the City of Tripoli, at a regular meeting held on April 4, 2022, at which all council members were present except na.

I further certify that Ladage moved for adoption of said resolution and that Christase seconded said motion.


Ellen Kalkbrenner City Clerk/Treasurer

RESOLUTION 21-182

A RESOLUTION OF THE CITY OF WAVERLY PARTICIPATING IN THE SOLID WASTE COMPREHENSIVE PLANNING PROCESS AND BUDGET FOR THE INRCOG PLANNING AREA (8TH REVISION).

WHEREAS, all cities and counties are required to participate in solid waste comprehensive planning and must have adopted a corresponding plan, per Section 455B.306, as either a single local government, or through agreement with other local governments under Chapter 28E of the Iowa Code;

WHEREAS, the Iowa Department of Natural Resources (IDNR) administers the solid waste comprehensive planning process, including review of all draft plans, agreements, and permits;

WHEREAS, through an existing 28E agreement, as amended, or approval by the IDNR, there are Six (6) parties responsible for developing a Solid Waste Comprehensive Plan in the Iowa Northland Regional Council of Governments (INRCOG) Planning Area, including INRCOG, the Black Hawk County Solid Waste Management Commission, Bremer County Board of Supervisors, Buchanan County Solid Waste Management Commission, Fayette County Solid Waste Management Commission, and Grundy County Solid Waste Management Commission (five remaining cities in the original agreement only);

WHEREAS, the City of Waverly will participate in the 8th Revision of the INRCOG Planning Area Comprehensive Solid Waste Planning process, including providing requested solid waste management information, participation in meetings and planning sessions, and adoption of the resulting 8th Revision or Update of the Plan;

WHEREAS, the total estimated cost of the INRCOG Planning Area Solid Waste Comprehensive Plan update is \$27,000 and will be assessed to the Parties on a population basis.

WHEREAS, the City of Waverly will financially contribute to the expenses associated with the 8th Revision of the INRCOG Planning Area Comprehensive Solid Waste Planning, through direct payment to Iowa Northland Regional Council of Governments, in the amount of \$1,000.00, by May 31st, 2022. If payment is not received in a timely manner, Black Hawk County Solid Waste Management Commission will reduce the annual Recycling Grant Award due to the community or/or deny use of the Black Hawk County Landfill; and


NOW THEREFORE, it is hereby resolved that the City of Waverly finds it in its best interest to participate, as outlined above, in the INRCOG Comprehensive Solid Waste Management Plan Update, 8th Revision.

Passed, approved and adopted this 6th day of December, 2021.



Mayor, Adam P. Hoffman
City of Waverly

ATTEST:


Deputy City Clerk, Valorie Northrup
City of Waverly

RESOLUTION ____

A RESOLUTION OF BUCHANAN COUNTY SOLID WASTE MANAGEMENT COMMISSION PARTICIPATING IN THE SOLID WASTE COMPREHENSIVE PLANNING PROCESS AND BUDGET FOR THE INRCOG PLANNING AREA (8TH REVISION).

WHEREAS, all cities and counties are required to participate in solid waste comprehensive planning and must have adopted a corresponding plan, per Section 455B.306, as either a single local government, or through agreement with other local governments under Chapter 28E of the Iowa Code;

WHEREAS, the Iowa Department of Natural Resources (IDNR) administers the solid waste comprehensive planning process, including review of all draft plans, agreements, and permits;

WHEREAS, through an existing 28E agreement, as amended, or approval by the IDNR, there are Six (6) parties responsible for developing a Solid Waste Comprehensive Plan in the Iowa Northland Regional Council of Governments (INRCOG) Planning Area, including INRCOG, the Black Hawk County Solid Waste Management Commission, Bremer County Board of Supervisors, Buchanan County Solid Waste Management Commission, Fayette County Solid Waste Management Commission, and Grundy County Solid Waste Management Commission (five remaining cities in the original agreement only);

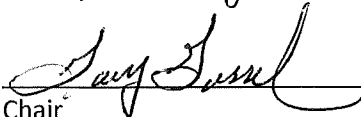
WHEREAS, the Buchanan County Solid Waste Management Commission will participate in the 8th Revision of the INRCOG Planning Area Comprehensive Solid Waste Planning process, including providing requested solid waste management information, participation in meetings and planning sessions, and adoption of the resulting 8th Revision or Update of the Plan;

WHEREAS, the total estimated cost of the INRCOG Planning Area Solid Waste Comprehensive Plan update is \$27,000 and will be assessed to the Parties on a population basis.

WHEREAS, the Buchanan County Solid Waste Management Commission will financially contribute to the expenses associated with the 8th Revision of the INRCOG Planning Area Comprehensive Solid Waste Planning, through direct payment to Iowa Northland Regional Council of Governments, in the amount of \$2,700.00, by May 31st, 2022. If payment is not received in a timely manner, Black Hawk County Solid Waste Management Commission will reduce the annual Recycling Grant Award due to the community or/or deny use of the Black Hawk County Landfill; and

NOW THEREFORE, it is hereby resolved that the Buchanan County Solid Waste Management Commission finds it in its best interest to participate, as outlined above, in the INRCOG Comprehensive Solid Waste Management Plan Update, 8th Revision.

Passed, approved and adopted this 25 day of January, 2022


Chair

ATTEST:

Buchanan County Solid Waste Management Commission


Secretary

Buchanan County Solid Waste Management Commission

RESOLUTION ____

A RESOLUTION OF FAYETTE COUNTY SOLID WASTE MANAGEMENT COMMISSION PARTICIPATING IN THE SOLID WASTE COMPREHENSIVE PLANNING PROCESS AND BUDGET FOR THE INRCOG PLANNING AREA (8TH REVISION).

WHEREAS, all cities and counties are required to participate in solid waste comprehensive planning and must have adopted a corresponding plan, per Section 455B.306, as either a single local government, or through agreement with other local governments under Chapter 28E of the Iowa Code;

WHEREAS, the Iowa Department of Natural Resources (IDNR) administers the solid waste comprehensive planning process, including review of all draft plans, agreements, and permits;

WHEREAS, through an existing 28E agreement, as amended, or approval by the IDNR, there are Six (6) parties responsible for developing a Solid Waste Comprehensive Plan in the Iowa Northland Regional Council of Governments (INRCOG) Planning Area, including INRCOG, the Black Hawk County Solid Waste Management Commission, Bremer County Board of Supervisors, Buchanan County Solid Waste Management Commission, Fayette County Solid Waste Management Commission, and Grundy County Solid Waste Management Commission (five remaining cities in the original agreement only);

WHEREAS, the Fayette County Solid Waste Management Commission will participate in the 8th Revision of the INRCOG Planning Area Comprehensive Solid Waste Planning process, including providing requested solid waste management information, participation in meetings and planning sessions, and adoption of the resulting 8th Revision or Update of the Plan;

WHEREAS, the total estimated cost of the INRCOG Planning Area Solid Waste Comprehensive Plan update is \$27,000 and will be assessed to the Parties on a population basis.

WHEREAS, the Fayette County Solid Waste Management Commission will financially contribute to the expenses associated with the 8th Revision of the INRCOG Planning Area Comprehensive Solid Waste Planning, through direct payment to Iowa Northland Regional Council of Governments, in the amount of \$2,500.00, by May 31st, 2022. If payment is not received in a timely manner, Black Hawk County Solid Waste Management Commission will reduce the annual Recycling Grant Award due to the community or/or deny use of the Black Hawk County Landfill; and

NOW THEREFORE, it is hereby resolved that the Fayette County Solid Waste Management Commission finds it in its best interest to participate, as outlined above, in the INRCOG Comprehensive Solid Waste Management Plan Update, 8th Revision.

Passed, approved and adopted this 18 day of January, 2021.



Chair

Fayette County Solid Waste Management Commission

ATTEST:



Secretary

Fayette County Solid Waste Management Commission

RESOLUTION 12082021001

A RESOLUTION OF THE CITY OF DIKE PARTICIPATING IN THE SOLID WASTE COMPREHENSIVE PLANNING PROCESS AND BUDGET FOR THE INRCOG PLANNING AREA (8TH REVISION).

WHEREAS, all cities and counties are required to participate in solid waste comprehensive planning and must have adopted a corresponding plan, per Section 455B.306, as either a single local government, or through agreement with other local governments under Chapter 28E of the Iowa Code;

WHEREAS, the Iowa Department of Natural Resources (IDNR) administers the solid waste comprehensive planning process, including review of all draft plans, agreements, and permits;

WHEREAS, through an existing 28E agreement, as amended, or approval by the IDNR, there are Six (6) parties responsible for developing a Solid Waste Comprehensive Plan in the Iowa Northland Regional Council of Governments (INRCOG) Planning Area, including INRCOG, the Black Hawk County Solid Waste Management Commission, Bremer County Board of Supervisors, Buchanan County Solid Waste Management Commission, Fayette County Solid Waste Management Commission, and Grundy County Solid Waste Management Commission (five remaining cities in the original agreement only);

WHEREAS, the City of Dike will participate in the 8th Revision of the INRCOG Planning Area Comprehensive Solid Waste Planning process, including providing requested solid waste management information, participation in meetings and planning sessions, and adoption of the resulting 8th Revision or Update of the Plan;

WHEREAS, the total estimated cost of the INRCOG Planning Area Solid Waste Comprehensive Plan update is \$27,000 and will be assessed to the Parties on a population basis.

WHEREAS, the City of Dike will financially contribute to the expenses associated with the 8th Revision of the INRCOG Planning Area Comprehensive Solid Waste Planning, through direct payment to Iowa Northland Regional Council of Governments, in the amount of \$300.00, by May 31st, 2022. If payment is not received in a timely manner, Black Hawk County Solid Waste Management Commission will reduce the annual Recycling Grant Award due to the community or/or deny use of the Black Hawk County Landfill; and

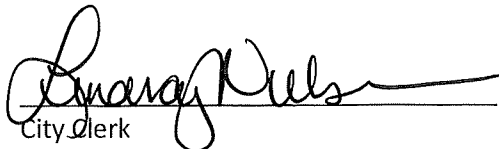
NOW THEREFORE, it is hereby resolved that the City of Dike finds it in its best interest to participate, as outlined above, in the INRCOG Comprehensive Solid Waste Management Plan Update, 8th Revision.

Passed, approved and adopted this 8 day of December, 2021.



Mayor
City of Dike

ATTEST:



City Clerk
City of Dike

RESOLUTION 2021-61

A RESOLUTION OF THE CITY OF GRUNDY CENTER PARTICIPATING IN THE SOLID WASTE COMPREHENSIVE PLANNING PROCESS AND BUDGET FOR THE INRCOG PLANNING AREA (8TH REVISION).

WHEREAS, all cities and counties are required to participate in solid waste comprehensive planning and must have adopted a corresponding plan, per Section 455B.306, as either a single local government, or through agreement with other local governments under Chapter 28E of the Iowa Code;

WHEREAS, the Iowa Department of Natural Resources (IDNR) administers the solid waste comprehensive planning process, including review of all draft plans, agreements, and permits;

WHEREAS, through an existing 28E agreement, as amended, or approval by the IDNR, there are Six (6) parties responsible for developing a Solid Waste Comprehensive Plan in the Iowa Northland Regional Council of Governments (INRCOG) Planning Area, including INRCOG, the Black Hawk County Solid Waste Management Commission, Bremer County Board of Supervisors, Buchanan County Solid Waste Management Commission, Fayette County Solid Waste Management Commission, and Grundy County Solid Waste Management Commission (five remaining cities in the original agreement only);

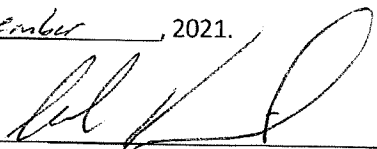
WHEREAS, the City of Grundy Center will participate in the 8th Revision of the INRCOG Planning Area Comprehensive Solid Waste Planning process, including providing requested solid waste management information, participation in meetings and planning sessions, and adoption of the resulting 8th Revision or Update of the Plan;

WHEREAS, the total estimated cost of the INRCOG Planning Area Solid Waste Comprehensive Plan update is \$27,000 and will be assessed to the Parties on a population basis.

WHEREAS, the City of Grundy Center will financially contribute to the expenses associated with the 8th Revision of the INRCOG Planning Area Comprehensive Solid Waste Planning, through direct payment to Iowa Northland Regional Council of Governments, in the amount of \$500.00, by May 31st, 2022. If payment is not received in a timely manner, Black Hawk County Solid Waste Management Commission will reduce the annual Recycling Grant Award due to the community or/or deny use of the Black Hawk County Landfill; and

NOW THEREFORE, it is hereby resolved that the City of Grundy Center finds it in its best interest to participate, as outlined above, in the INRCOG Comprehensive Solid Waste Management Plan Update, 8th Revision.

Passed, approved and adopted this 6 day of December, 2021.



Mayor
City of Grundy Center

ATTEST



City Clerk
City of Grundy Center

RESOLUTION 8-21

A RESOLUTION OF THE CITY OF MORRISON PARTICIPATING IN THE SOLID WASTE COMPREHENSIVE PLANNING PROCESS AND BUDGET FOR THE INRCOG PLANNING AREA (8TH REVISION).

WHEREAS, all cities and counties are required to participate in solid waste comprehensive planning and must have adopted a corresponding plan, per Section 455B.306, as either a single local government, or through agreement with other local governments under Chapter 28E of the Iowa Code;

WHEREAS, the Iowa Department of Natural Resources (IDNR) administers the solid waste comprehensive planning process, including review of all draft plans, agreements, and permits;

WHEREAS, through an existing 28E agreement, as amended, or approval by the IDNR, there are Six (6) parties responsible for developing a Solid Waste Comprehensive Plan in the Iowa Northland Regional Council of Governments (INRCOG) Planning Area, including INRCOG, the Black Hawk County Solid Waste Management Commission, Bremer County Board of Supervisors, Buchanan County Solid Waste Management Commission, Fayette County Solid Waste Management Commission, and Grundy County Solid Waste Management Commission (five remaining cities in the original agreement only);

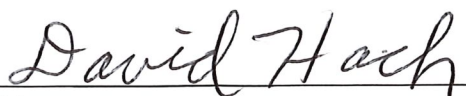
WHEREAS, the City of Morrison will participate in the 8th Revision of the INRCOG Planning Area Comprehensive Solid Waste Planning process, including providing requested solid waste management information, participation in meetings and planning sessions, and adoption of the resulting 8th Revision or Update of the Plan;

WHEREAS, the total estimated cost of the INRCOG Planning Area Solid Waste Comprehensive Plan update is \$27,000 and will be assessed to the Parties on a population basis.

WHEREAS, the City of Morrison will financially contribute to the expenses associated with the 8th Revision of the INRCOG Planning Area Comprehensive Solid Waste Planning, through direct payment to Iowa Northland Regional Council of Governments, in the amount of \$100.00, by May 31st, 2022. If payment is not received in a timely manner, Black Hawk County Solid Waste Management Commission will reduce the annual Recycling Grant Award due to the community or/or deny use of the Black Hawk County Landfill; and

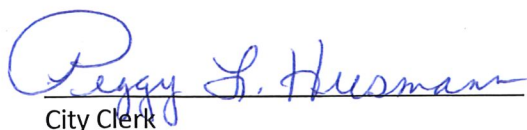
NOW THEREFORE, it is hereby resolved that the City of Morrison finds it in its best interest to participate, as outlined above, in the INRCOG Comprehensive Solid Waste Management Plan Update, 8th Revision.

Passed, approved and adopted this 13 day of December, 2021.



Mayor
City of Morrison

ATTEST:



City Clerk
City of Morrison

RESOLUTION 2021-31R

A RESOLUTION OF THE CITY OF REINBECK PARTICIPATING IN THE SOLID WASTE COMPREHENSIVE PLANNING PROCESS AND BUDGET FOR THE INRCOG PLANNING AREA (8TH REVISION).

WHEREAS, all cities and counties are required to participate in solid waste comprehensive planning and must have adopted a corresponding plan, per Section 455B.306, as either a single local government, or through agreement with other local governments under Chapter 28E of the Iowa Code;

WHEREAS, the Iowa Department of Natural Resources (IDNR) administers the solid waste comprehensive planning process, including review of all draft plans, agreements, and permits;

WHEREAS, through an existing 28E agreement, as amended, or approval by the IDNR, there are Six (6) parties responsible for developing a Solid Waste Comprehensive Plan in the Iowa Northland Regional Council of Governments (INRCOG) Planning Area, including INRCOG, the Black Hawk County Solid Waste Management Commission, Bremer County Board of Supervisors, Buchanan County Solid Waste Management Commission, Fayette County Solid Waste Management Commission, and Grundy County Solid Waste Management Commission (five remaining cities in the original agreement only);

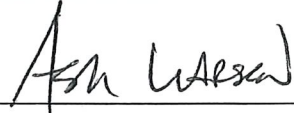
WHEREAS, the City of Reinbeck will participate in the 8th Revision of the INRCOG Planning Area Comprehensive Solid Waste Planning process, including providing requested solid waste management information, participation in meetings and planning sessions, and adoption of the resulting 8th Revision or Update of the Plan;

WHEREAS, the total estimated cost of the INRCOG Planning Area Solid Waste Comprehensive Plan update is \$27,000 and will be assessed to the Parties on a population basis.

WHEREAS, the City of Reinbeck will financially contribute to the expenses associated with the 8th Revision of the INRCOG Planning Area Comprehensive Solid Waste Planning, through direct payment to Iowa Northland Regional Council of Governments, in the amount of \$300.00, by May 31st, 2022. If payment is not received in a timely manner, Black Hawk County Solid Waste Management Commission will reduce the annual Recycling Grant Award due to the community or/or deny use of the Black Hawk County Landfill; and


NOW THEREFORE, it is hereby resolved that the City of Reinbeck finds it in its best interest to participate, as outlined above, in the INRCOG Comprehensive Solid Waste Management Plan Update, 8th Revision.

Passed, approved and adopted this 6th day of December, 2021.



Mayor
City of Reinbeck

ATTEST:



City Clerk
City of Reinbeck

RESOLUTION 15-2022

A RESOLUTION OF THE CITY OF STOUT PARTICIPATING IN THE SOLID WASTE COMPREHENSIVE PLANNING PROCESS AND BUDGET FOR THE INRCOG PLANNING AREA (8TH REVISION).

WHEREAS, all cities and counties are required to participate in solid waste comprehensive planning and must have adopted a corresponding plan, per Section 455B.306, as either a single local government, or through agreement with other local governments under Chapter 28E of the Iowa Code;

WHEREAS, the Iowa Department of Natural Resources (IDNR) administers the solid waste comprehensive planning process, including review of all draft plans, agreements, and permits;

WHEREAS, through an existing 28E agreement, as amended, or approval by the IDNR, there are Six (6) parties responsible for developing a Solid Waste Comprehensive Plan in the Iowa Northland Regional Council of Governments (INRCOG) Planning Area, including INRCOG, the Black Hawk County Solid Waste Management Commission, Bremer County Board of Supervisors, Buchanan County Solid Waste Management Commission, Fayette County Solid Waste Management Commission, and Grundy County Solid Waste Management Commission (five remaining cities in the original agreement only);


WHEREAS, the City of Stout will participate in the 8th Revision of the INRCOG Planning Area Comprehensive Solid Waste Planning process, including providing requested solid waste management information, participation in meetings and planning sessions, and adoption of the resulting 8th Revision or Update of the Plan;

WHEREAS, the total estimated cost of the INRCOG Planning Area Solid Waste Comprehensive Plan update is \$27,000 and will be assessed to the Parties on a population basis.

WHEREAS, the City of Stout will financially contribute to the expenses associated with the 8th Revision of the INRCOG Planning Area Comprehensive Solid Waste Planning, through direct payment to Iowa Northland Regional Council of Governments, in the amount of \$100.00, by May 31st, 2022. If payment is not received in a timely manner, Black Hawk County Solid Waste Management Commission will reduce the annual Recycling Grant Award due to the community or/or deny use of the Black Hawk County Landfill; and

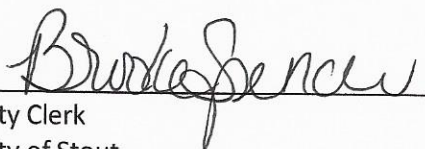
NOW THEREFORE, it is hereby resolved that the City of Stout finds it in its best interest to participate, as outlined above, in the INRCOG Comprehensive Solid Waste Management Plan Update, 8th Revision.

Passed, approved and adopted this 9th day of May, 2022.



Mayor
City of Stout

ATTEST:



City Clerk
City of Stout

INRCOG Solid Waste Management Informational Meeting

Minutes December 15th, 2021

Meeting was held virtually using GoToMeeting and began at 10:03 a.m.

Those in attendance were: Brian Heath, City of Cedar Falls/ Black Hawk County Solid Waste Management Commission; Doyle Smith, City of Cedar Falls; Brian Sullivan, City of Waverly; Joe Skaff & Matt Pivitt with Republic Services, John Foster, Black Hawk County Solid Waste Management Commission, and Brian Schoon, Nick Fratzke, & Tammy Turner with INRCOG.

Turner called to order at 10:03 a.m. with a roll call and welcome. Turner reported that the 2021 Comprehensive Solid Waste Management Plan (Comp Plan) is due September 2022. This meeting is intended to satisfy one of the requirements of the DNR that at least two public meetings be held regarding the INRCOG Comp Plan. The process to complete the Comp Plan was explained.

Skaff and Pivitt with Republic Services gave an industry update presentation on the state of recycling. Showed trends through the pandemic with residential, commercial, & industrial volumes, pandemic impacts to supply chain, increased price of steel, recycling commodity trends, national CDL driver shortage, and Republic Services corporate 2030 Sustainability Goals.

Foster shared updates on the Black Hawk County Landfill. Discussed the Tonnage received by the Black Hawk County Landfill from FY 2011- FY 2021 (Tonnages ranged from 166,315 tons to 192,894 tons). Also shared updates on the Waste Stream by County (FY 2016- FY 2021), Composition of Waste Received at the BH County Landfill, and Waste Stream for Black Hawk County only.

Turner reported on the Iowa Waste Exchange (IWE) and the free service that it provides to businesses, local governments, institutions, schools, and individuals. The IWE attempts to divert material from landfills by finding other interested parties that can reuse or recycle material. Tools used: Iowa Waste Exchange database and Area 3 IWE monthly newsletter. Other services are waste assessments and waste audits at businesses & schools. Turner shared info/charts on recent waste sorts at Orange Elementary (in Waterloo) and Cedar Falls High School.

Turner explained some of the other DNR Financial and Business Assistance programs that are available at no cost. These other programs are Solid Waste Alternatives Program (SWAP) and Derelict Building Grant Program.

In other business:

Turner mentioned the Comp Plan will report on the years of 2016- 2020. Putting together the comprehensive plan also gives members a chance to share objectives and set goals for the future. Turner mentioned that one change since the last plan was the establishment of the ReStore retail store (opened in Waterloo in 2015). Restore has since diverted around 500 tons/year. ReStore received a SWAP grant in 2021 and Turner will invite ReStore to the next meeting to share their diversion success story.

Foster mentioned that the planning area could use some organizational reviews and updates in regard to the 28E agreements. Schoon agreed it is something to pursue in the near future. Foster stated that there is interest in gathering information from companies such as John Deere that have incineration and beneficial use programs for some of their materials. Foster also mentioned that the Cedar Rapids Linn County Solid Waste Agency is evaluating integrated solid waste solutions and considering alternative technologies (thermal, chemical, biological, mechanical) as their landfill is projected to be full in 2038. Foster mentioned that the BHCSWMC is considering conducting a similar integrated solid waste strategic plan to look at alternatives other than landfilling.

Turner reminded the group that she will be in touch with cities after the holidays & send out a short survey to collect tonnages/recycling data/educational efforts and to verify any changes that have taken place in the last 5 years.

The meeting was adjourned at 10:50 a.m.

Acting Secretary,

Tammy Turner

INRCOG Environmental Resource Specialist

2022 INRCOG Comprehensive Solid Waste Management Plan Task Force Meeting

Meeting Minutes

April 5th, 2022

The INRCOG Comprehensive Solid Waste Management Plan Task Force met on Tuesday, April 5th, 2022, at 10:00 AM, in the 3rd Floor Board Room at INRCOG in Waterloo, as well as virtually, using Microsoft Teams.

Those in attendance: Don Shonka (Buchanan County Supervisor), Dan Cohen (Buchanan County Conservation), Tim Neil (Bremer County Supervisor), Jeff Finke (Habitat ReStore), Joel Wikner (City of Denver), Michael Schares (City of Dunkerton), John Foster (Black Hawk County Solid Waste Commissioner), Doyle Smith (City of Cedar Falls), Brian Heath (City of Cedar Falls), Brittney Lentz (City of Plainfield), Tammy Turner (INRCOG), Nick Fratzke (INRCOG), Brian Schoon (INRCOG)

Turner called the meeting to order at 10:05 AM.

Turner provided an introduction and overview of the Comprehensive Solid Waste Management Plan, including the process, purpose, basis for updating the plan, and the process leading up to the meeting. Technical difficulties with the newly installed audio/visual equipment in the board room did not allow for projection of the Power Point Turner had prepared.

Turner introduced Jeff Finke with the Heartland Habitat for Humanity ReStore for a presentation regarding the services that his organization provides. Finke gave an overview of the of the ReStore including location, hours, acceptable and unacceptable materials, volunteer opportunities, pickup and receiving schedule, partnerships, and nonprofit structure of the organization. Finke shared the combined sales of the ReStore since opening in 2016 (\$3.3 million), and tonnage of waste saved from the landfill (1,999 tons). The Task Force commented and agreed that the addition of the ReStore as a service to the region has had a positive impact and is one of the significant changes from the previous comprehensive plan.

Turner explained updates from the previous plan including the waste hierarchy, life cycle of waste materials & end of life management, as well as the environmental impacts at each stage of the waste cycle process. Turner discussed the various DNR subcommittees regarding organics & fiber, plastics, renewable energy equipment, and construction debris. Turner also indicated that tonnage of materials diverted to the Black Hawk County landfill has increased over the past five years when compared with the previous five years. Turner also discussed the possibility for anaerobic and fermentation

technologies as a consideration for the future of the regional waste management strategy. Also discussed were the 2017 Iowa Waste Characterization Study which focused on the materials that end up in the landfill that could be diverted to other resources, and the surveys sent out to participating communities. Next, Turner highlighted the various waste diversion programs including; ReStore's future location in Dubuque and their potential acceptance of electronic equipment, the Salvage Barn (Friends of Historic Preservation) and their "tool library program", and the Iowa Waste Exchange services.

John Foster discussed EPA grants available for building infrastructure, recycling and composting infrastructure followed by Turner opening the floor for a discussion on the future plans goal and objective setting and updating (current goals were emailed by Turner prior to the meeting). Foster noted that the goals and objectives from the current plan are still relevant and should be carried over into the next revision.

Dan Cohen with Buchanan County Conservation opened a discussion regarding the Buchanan County transfer station and the need to educate the public on what can and cannot be recycled, to which Supervisor Shonka agreed. Turner asked that the two establish goals to include in the future revision of the plan. One suggestion was to recognize model recyclers rather than punishing those who may not understand the process in an effort to encourage rather than discourage. It was noted that means and methods of recycling vary by location and should be addressed at the source of the issue rather than creating a "one size fits all" approach. Other issues in recycling discussed were "truth in labeling" and the push for producers of recyclables to follow a more uniform standard in labeling the materials accordingly. Schoon encouraged the group to keep goals broad and the objectives more precise as methods or action steps towards achieving the goal.

The Task Force then discussed more of the problems that jurisdictions would likely face over the course of the next plan cycle. The discussion included the need for proper household hazardous waste and electronic disposal. Solutions discussed were the publicity of drive through events. Also discussed was the need for yard waste composting facilities and locations for jurisdictions.

The discussion was redirected by Turner to setting measurable and attainable goals, possibly focusing on a few targeted areas. Areas suggested to be focused on were plastic grocery bags and the state bottle bill. The availability of redemption center locations has hindered the bottle and can recycling so it was discussed by the Task Force to promote and publicize donation locations and events. Foster suggested that meetings more frequently in order to keep regional participation and communication open. Foster also mentioned that the current 28E for the plan is dormant and fragmented and one goal should be to revise and implement the agreements to which the Task Force agreed.

Turner then established the next steps for each jurisdiction to review the plan and provide feedback on future goals to her either via email or phone.

The meeting adjourned at 11:40 am.

Respectfully Submitted,
Nick Fratzke

Community Planner

ATTENDANCE RECORD

Meeting: INRCOG Solid Waste Comprehensive Plan Meeting

Date: 4-5-2022 Time: 10:00 AM Location: INRCOG, 3rd Floor Board Room, Waterloo, IA

Name	Representing
Don Shonka	Buchanan County Supervisor
Dan Cohen	" of Conservation
Tim Neil	Bramer Co Supervisors
Jeff Fink	Habitat Restore
Joel Wilmer	City of Denver
Michael Schares	City of Dunkerton
John Foster	Black Hawk County Solid Waste Comm.
Doyle Smith	City of Cedar Falls
Briean Heath	City of Cedar Falls
Brittney Lentz	Plainfield Clerk
Tammie Turner	INRCOG
Neil Fralton	INRCOG

BELIAN SCHOON

INRCOG

*** Proof of Publication ***

State of Iowa
Black Hawk County

INRCOG SOLID WASTE
COMPREHENSIVE PLAN MEETING
The Iowa Northland Regional Council of Governments (INRCOG) Solid Waste Planning Area, including Black Hawk County Solid Waste Management Commission, Bremer County Supervisors, Buchanan County Solid Waste Management Commission, Fayette County Solid Waste Management Commission and Grundy County Solid Waste Management Commission are providing notice of a public meeting related to the development of its five-year solid waste comprehensive plan. The meeting will take place on Tuesday, April 5th at 10:00 AM, at INRCOG, 229 East Park Avenue, Waterloo, Iowa (INRCOG Board Room). Development of the plan is a state requirement for the planning area and must also involve public meetings that allow input into its development. During this public meeting, participants will review the purpose and requirements of the INRCOG Solid Waste Comprehensive Plan, followed by presentations from Habitat for Humanity's ReStore, Sustainable Materials Management, Landfill Alternatives and Technologies, and Waste Diversion programs. Significant time will be spent updating information from the existing plan and setting goals/objectives for the area for the next five years. At this development stage of the plan the public is welcome to attend and provide input. Persons wishing to attend the meeting, should provide an RSVP to Tammy Turner at INRCOG by Monday, April 4th at 10:00 AM. Her phone number is (319) 235-0311 and her email address is tturner@inrcog.org. Questions about the meeting or the plan may also be directed to Tammy Turner at the number and/or email address above.

INRCOG - Legal

229 E PARK AVE.
WATERLOO IA 50703

ORDER NUMBER 210549

I, Michelle Graham, being duly sworn, on oath, do depose and say that I am Customer Services Representative of The Waterloo Cedar Falls Courier and I am authorized to make this affidavit, that The Waterloo Cedar Falls Courier is a daily newspaper regularly published and printed in the English language in the City of Waterloo, Black Hawk County, Iowa, and has a general circulation in the said city and county; and that I personally know that the notice, a true copy of which is hereto affixed, was published in the Waterloo Cedar Falls Courier on the following days, to-wit:

Section: Legals
Category: 950 Legal Notice
PUBLISHED ON: 03/25/2022

TOTAL AD COST: 23.62
FILED ON: 3/25/2022

That the issues of said paper containing said notice were duly circulated in the regular manner.

Michelle Graham

Sherrie Kilts

Notary Public in and for Said County
SHERRIE KILTS
Commission Number 772917
My Commission Expires
May 9, 2024

