

COUNCIL ACTION FORM

SUBJECT: APPROVAL OF CENTRAL IOWA WASTE MANAGEMENT ASSOCIATION 2020 COMPREHENSIVE SOLID WASTE MANAGEMENT PLAN UPDATE

BACKGROUND:

The Resource Recovery System is governed by the City of Ames City Council in accordance with an approved 28E Agreement with the unincorporated areas of Story County, Iowa State University, and all cities in Story County with exception of Collins, Colo and Sheldahl. The agreement calls for the Resource Recovery System (RRS) to provide for the disposal of the solid waste generated by the involved agencies. One element of that disposal is meeting the regulations that deal with comprehensive planning. **In the late 1980's, the City and the members of the RRS, joined with the Boone County Landfill and its members to form the Central Iowa Waste Management Association.** The association is required to submit updates to the comprehensive plan every five years to the Iowa Department of Natural Resources.

The attached document is the eighth update to the original plan. This plan update details the existing integrated solid waste management system, as well as any changes or additions that have occurred since the last plan update. Although certain elements of the planning process have changed over the years, the general purpose of the process is for RRS and BCL to work together for mutual benefit.

The planning area continues to examine options for handling waste generated through construction and demolition waste activities. Building demolition has become a more prevalent activity in our planning area and it is important that the planning area facilitate and/or provide pro-active strategies to handle this waste stream.

In order to receive input on the Plan, a draft version was sent out to each agency in the planning area. Following that, three public meetings were held. Input at the meetings was supportive and did not result in any changes to the updated Plan.

The DNR requires that the agencies involved with the Comprehensive Plan enact a Resolution of Support for the Plan. Because the City of Ames administers the 28E Agreement for the RRS agencies, that requirement can be met for all of the agencies with City Council approval of the supporting resolution.

ALTERNATIVES:

1. Approve the 2020 Comprehensive Plan Update for the Central Iowa Waste Management Association.

2. Reject the 2020 Comprehensive Plan Update and direct staff to modify the document.

MANAGER'S RECOMMENDED ACTION:

It is the recommendation of the City Manger that the City Council adopt Alternative No. 1, as noted above.

DRAFT

2020 UPDATE
COMPREHENSIVE SOLID WASTE MANAGEMENT
PLAN, PART VIII

FOR THE
CENTRAL IOWA SOLID WASTE MANAGEMENT
ASSOCIATION

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March XX, 2020



6007-19A.300

DRAFT

CENTRAL IOWA SOLID WASTE MANAGEMENT ASSOCIATION

A Partnership Between the
City of Ames Resource Recovery Plant and the Boone County Landfill

INTRODUCTION

This document represents the eighth update to the comprehensive solid waste management plan prepared by the Central Iowa Solid Waste Management Association (CISWMA). Plan updates are required by the Iowa Department of Natural Resources (IDNR) every five years.

The CISWMA planning area consists of the service areas of the City of Ames Resource Recovery Plant and the Boone County Landfill (owned and operated by Boone County). The planning area now serves a population of over 130,000. In 2000, 2002, 2009, and 2013 the planning area was recognized by the IDNR as exceeding the State goal of diverting 50% of waste from landfill disposal.

This plan update details the existing integrated solid waste management system, as well as any changes or additions that have occurred since the last plan update. The update examines the current system and alternative management systems. Based on this analysis, the existing system appears to be serving the planning area in a manner that best protects the environment, as well as minimizing the area's reliance on landfill disposal.

The planning area continues to examine options for handling waste generated through construction and demolition waste activities. Construction demolition has become a more prevalent waste type in our planning area and it is important that the planning area facilitate and/or provide pro-active strategies to handle this waste stream.

In addition to the public meetings held to gain input from the public regarding this plan update, the City of Ames and the Boone County Board of Supervisors welcome comments and suggestions concerning the management of solid waste on an ongoing basis. Please contact Mr. Bill Schmitt at 515-239-5137 regarding the service area of the Ames Resource Recovery Plant or Mr. John Roosa at 515-433-0591 regarding the service area of the Boone County Landfill.

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I. **PLANNING AREA CHANGES: 101.13(2)"a"**

1.1 **Permanent Changes in Planning Area**

The Central Iowa Solid Waste Management Association (CISWMA) planning area consists of the waste management planning jurisdictions of the City of Ames Resource Recovery System and the Boone County Landfill operated by Boone County. A contractual relationship between the City of Ames and Boone County forms the basis for the CISWMA planning area.

There has been growth in both residential and commercial sectors within the planning area during the past planning cycle.

1.2 **Planning Area Description**

Responsible Governing Body:

Communities Involved:

City of Ames

Ames Resource Recovery
Plant - Primary Service Area:

Ames, Cambridge, Gilbert, Huxley, Kelley,
Maxwell, McCallsburg, Nevada, Roland,
Slater, Story City, Zearing and
Unincorporated Story County.

Note: The Boone County Landfill serves
as the secondary municipal solid waste
disposal facility for Story County.

Boone County

Boone County Landfill
Primary Service Area:

All cities in Boone County (except
Sheldahl) and unincorporated Boone
County; all cities in Greene County
(excluding Jefferson) and Unincorporated
Greene County; Bouton, Granger and
Woodward in Dallas County;
Farnhamville, Lohrville and Somers in
Calhoun County; and the Woodward
State Resource Center

1.3 **Planning Area Contacts**

City of Ames – Resource Recovery Plant

Mr. Bill Schmitt, Superintendent
City of Ames Resource Recovery Plant
110 Center Avenue
P.O. Box 811
Ames, IA 50010
Phone: 515-239-5137
bschmitt@city.ames.ia.us

Boone County
Mr. John Roosa, Administrator
Boone County Landfill
1268 224th Lane
Boone, IA 50036
Phone: 515-433-0591
jroosa@boonecounty.iowa.gov

1.4 **Permitted Facilities in the Planning Area**

The Central Iowa Solid Waste Management Association (CISWMA) planning area consists of the waste management planning jurisdictions of the City of Ames Resource Recovery Plant System and the Boone County Landfill operated by Boone County.

City of Ames –

A. O. Chantland Resource Recovery Facility (IDNR Permit No. 85-SDP-01-75)

Boone County –

Boone County Landfill (IDNR Permit No. 08-SDP-01-75)

Additional Solid Waste Disposal Permit issued in the Planning Area include:

85-ADP-01-03 – Bell Salvage
85-ADP-03-07 – Mike Louis Body & Paint
08-ADP-02-06 – Picket Salvage, LLC
08-ADP-02-06 – Wisecup Trucking (Formerly Ogden Iron & Metal)
08-SDP-03-04 – Metro Park West Sanitary Landfill (Formerly North Dallas)

Note that while the Metro Park West Landfill is physically located within the CISWMA Plan Area it is part of the MWA Planning Area and does not accept waste from the CISWMA Planning Area without prior approval from the Boone County Landfill administrator.

II. **EVIDENCE OF COOPERATION: 101.13(2)"b"**

2.1 **Resolutions**

Appendix "A" contains the resolutions from the participating governments in the Boone County Landfill's service area and the 28E agency.

2.2 **Letters of Cooperation**

There are no private sanitary disposal projects participating in the comprehensive plan update.

2.3 **Copies of Contracts and 28E Agreements That Have Changed**

Boone County and each of the member entities executed a 28E agreement for the purpose of solid waste management planning within the Plan Area. Copies of representative 28E Agreements for the plan area are unchanged

since the last update and are on file with the IDNR as part of the 2014 Comprehensive Plan Update VII.

III. PUBLIC PARTICIPATION: 101.13(2)"c"

3.1 Ongoing Public Input Strategies

The CISWMA utilizes a wide range of strategies to gather public input. Some strategies are more formal than other others. Regardless of their level of formality, the goal is to keep in continuous contact with the public in order that programs best meet the needs of the various participants served by the CISWMA.

Boone County Landfill (BCL) Service Area: The Boone County Supervisors meet regularly each week on Wednesdays from 8:30 a.m. to 4:30 p.m. These meetings are open to the public and each agenda is publicized on the local radio station. The public can simply "drop-in" to speak with the Supervisors.

The BCL administrator/recycling coordinator provides the Supervisors with a bi-weekly update during one of the Board's regularly scheduled meetings. These meetings are often attended and subsequently reported on by local print and radio media representatives. The BCL administrator/recycling coordinator is frequently interviewed by the press.

Records and the future plans of the BCL are available to the public during regular business hours. The Boone County Supervisor's planning sessions for future solid waste management development are also open to the public and public comment is considered in the decision making process. An annual public budget meeting is held to provide the public an opportunity to address future solid waste management concerns. Public meetings with various local governments such as city councils, county boards of supervisors, and others provide further input to solid waste management planning in the service area. The Supervisors also hold "town meetings" on a periodic basis throughout the County.

Recycling activities in Greene County are coordinated by the Greene County Recycling Agency (GCRA). The GCRA is a 28E quasi-governmental agency formed in the early nineties by Greene County and its municipalities. Their meetings are open to the public.

Ames Resource Recovery Plant (ARRP) Service Area: The Ames Resource Recovery System is governed by the Ames City Council whose meetings are held the second and fourth Tuesdays of each month. These meetings are open meetings and agendas are published in advance.

In 2018 the City of Ames commissioned a Waste Diversion Enhancement & Recommendation Report, in which surveys and interviews were conducted with various businesses throughout the ARRP service area to gain insights into the business community's interest into expanded services.

Budget hearings are held each February and public input is sought. Prior to

the budget hearings, mailings are made to each of the 28E agencies explaining proposed programs for the year and requesting input. In addition, ARRP staff have implemented a program to regularly visit city council meetings of the 28E agencies to provide system updates and answer questions or concerns. Staff is available at other times as well. All City Council meetings and budget hearings are telecast; both live and replayed, on the local government cable channel (#12).

Meetings are held with area waste haulers to receive their input on system operations.

3.2 Public Meeting/Hearing(s) Held for Plan Development

A plan update committee was established to prepare the plan update.

Members of the committee include:

Mr. John Roosa, Boone County Landfill Administrator

Ms. Carrie Self, Boone County Landfill, Admin Asst, KCBC
Coordinator

Mr. Bill Schmitt, City of Ames Resource Recovery Plant, Supt.

Ms. Lorrie Hanson, City of Ames Resource Recovery Plant

Mr. Glenn Hunter, HLW Engineering Group

A series of three Public Meetings were held to obtain public input on the proposed plan update. Meetings were held on:

September 11, 2019 - Ames City Hall, Room 135

515 Clark Avenue, 11:00 a.m.

September 11, 2019 - Boone County Courthouse - 4th Floor,

201 State Street, Boone, 9:00 a.m.

September 12, 2019 - Jefferson City Hall,

220 N. Chestnut, Jefferson, 5:00 p.m.

Proof of Publication and meeting information is included in Appendix B. In addition, each city and county was notified of the meetings and encouraged to publicize the meetings.

3.3 Public Review Meeting(s)

A series of three Public Meetings were held to allow public review the Update as a draft document. Meetings were held on:

February 24, 2020 - Jefferson City Hall, 2nd Floor

220 N. Chestnut, Jefferson, 9:00 a.m.

February 25, 2020 – Ames City Hall, Room 135

515 Clark Street, Ames, 9:30 a.m.

February 26, 2020 – Boone County Courthouse, Board of Supervisors

Chambers, 201 State Street, Boone, 9:00 p.m.

The Comprehensive Plan Update as a draft document was reviewed prior to the above referenced Public Meetings. Additionally, the Notice of Public Meeting

indicated that the Comprehensive Plan Update was available to the Public for review and comment. The Notice further indicated that Public Comment would be heard at the above noted meeting dates and times. Copies of the notice and meeting minutes are provided in Appendix C.

Boone County approved the Comprehensive Plan Update by Resolution on February 26, 2020 a copy of which is in Appendix A. Approval of the plan occurred after the completion of the public meeting. The Ames City Council acted on the Comprehensive Plan Update by Resolution (Appendix A) on **October 21, 2019**. No comments were received from the Council Members during the February 25, 2020 Public Meeting.

3.4 Other Opportunities for Public Input

Speakers Bureau: A speakers' bureau has been developed by the City of Ames, Greene County Recycling Agency, and the Boone County Landfill to present information to: Civic groups, community groups, municipalities, public agencies, etc. In addition, facility tours offered to groups such as schools and community organizations. These presentations and tours always include a question and answer component which provides public input.

The BCL also participates in events where it can set up a portable display and hand out information. Examples include: Boone County "Celebrate Families" event, Boone Area Home Show, Boone Area Senior Fair and area libraries.

The ARRP participates in the Eco-Fair, Stash The Trash Day, Welcome Fest at Iowa State University, Ames Day at the State Capitol. In addition, the ARRP presents Eco-Chats at the public library and routinely attends local farmers markets.

Community Involvement: Staff of both the BCL and the ARRP are involved in organizations and projects in their respective service area. This involvement provides ongoing opportunities to solicit public input from a wide range of constituents. This involvement has led to the creation of Keep Boone County Beautiful as well as partnerships with organizations such as: The Boone Area Chamber of Commerce, Ames Chamber of Commerce, Boone and Story Master Gardeners, Civic Groups, Boone and Story County Conservation Boards, National Resource Conservation Service, Boone County Soil and Water Commission, Boone and Story County Extension Services, ISU's the Green Umbrella, Prairie Rivers of Iowa, Ames Community School District, Nevada Community School District, International Visitor Leadership Program, The Iowa International Center, and Project AWARE.

Surveys/Evaluations: Where appropriate, program surveys/evaluations are conducted to obtain public input. This information is utilized to help maximize program awareness and operations. During the last four years, surveys or

evaluations have been conducted in conjunction with the following programs:

HHM Clean-Up Crew Events and Satellite facilities: Customers complete participant surveys

School Programs: Program evaluations (Boone and Story Counties)

Resident satisfaction surveys: The City of Ames annually conducts a "Citizen Satisfaction Survey."

Other cities in the planning area also conduct resident satisfaction surveys. However, due to the generic nature of the questions asked, these surveys do not provide the detailed level of program specific information as the other surveys/evaluation instruments and public input strategies.

Green Pages: The Boone County Landfill's "Green Pages" include a coupon which residents can send in to request information and offer input.

Dragoon River Romp: Participants are requested to complete a survey at the end of each year's event. Information from the surveys are used to improve the program.

Web Pages: The Boone County and City of Ames web sites and social media platforms offer opportunities for residents to provide input. Boone County developed a new website in 2009 that is very user friendly and easy to navigate. The Landfill is included in this system.

Copies of the above are available to the Department upon request.

3.5 Meeting Minutes

Copies of approved meeting minutes from recent Meetings are included in Appendix A.

IV. BASELINE WASTE STREAM REPORT: 101.13(2)"d"

4.1 Total Tons - Base Year

The CISWMA Plan Area baseline tonnage was revised in February of 2015 by WMAD due to the City of Colo leaving the plan area in 2014. The baseline tonnage included in the FY2015 Baseline Adjustment Method Report Table (provided in the Appendix D) is 106,788 tons.

4.2 Total Tons – Most Recent Year

Total tonnage is reported at 96,274.41 tons in the 2019 Tonnage Data Report located on the IDNR website.

4.3 Goal Progress Report

The 2019 disposal reduction percentage is reported as 31.28% by IDNR.

A copy of the cover page is included in Appendix E.

V. CHANGES IN AREA DEMOGRAPHICS: 101.13(2)"e"

5.1 Population

The table below depicts the planning area population.

Boone County (excludes Sheldahl)	26,138
Green County (excludes Jefferson)	4,821
Story County (excludes Collins & Colo)	95,832
Bouton, Dallas County	119
Granger, Dallas County	1,420
Woodward, Dallas County	1,420
Woodward Resource Center (daily average)	132
Farnhamville, Calhoun County	346
Lohrville, Calhoun County	348
Somers, Calhoun County	107

Total 2019 FY Population (estimated): 130,683

Source: US Census Bureau

This figure indicates a 4.5% increase in service area population from the 2014 Comprehensive Plan Update reported population of 125,107. The baseline year population is recorded as 106,909 (adjusted in 2014 to represent the City of Colo leaving the plan area).

5.2 Employment

The 2014 baseline year employment based on the Iowa Workforce Development LMI is reported as 45,098. For FY 2019 employment is reported as 65,996.19.

5.3 Industry

Commercial development within the Ames planning area continues to grow with new businesses moving into the ISU Research Park, an addition of two new production lines at Barilla, a significant expansion of the Hormel Food plant in Nevada adding 210 new jobs, and new hotel/motel developments creating an addition of 457 new rooms in the past 5 years alone. Growth in the commercial/industrial sector will continue to present solid waste management challenges and opportunities within the planning area.

New commercial/industrial development within Boone County remains light. One item of note however is Bomgaars moved into the previously unoccupied Walmart building on the south side of Boone.

VI. WASTE COMPOSITION & GENERATION: 101.13(2)"f"

6.1 Changes in Waste Generation since the Last Approved Update

Waste generation is not directly measured. Total waste generation would

include materials that are “removed” from the system by recycling facilities, by the private marketing of recyclable waste streams in area industry, by open burning, by illegal dumping, as waste is transported out of the Planning Area, or as wastes/recyclables that are stored. Recycling tonnages are difficult to obtain from the private haulers/recyclers and no attempt is made herein to compile or present such data.

The sum of waste disposal tonnage across the BCL or ARRP scale is an indirect measure of waste generation in the Planning Area. The measure of waste across the BCL scale is presented in Table 6.1 below.

The Ames Resource Recovery System has a large impact on waste disposal within the planning area. The system is comprised of two main components. The first is the ARRP where solid waste is accepted from Ames/Story County, to be processed into Refuse Derived Fuel (RDF). The second component is the Ames Electric Utility where RDF is mixed with natural gas (was mixed with coal prior to April 2016) and is burned to generate electricity. Of the 53,000 tons of solid waste per year the facility takes in, approximately 20,000 tons is converted to RDF. The rest of the waste is landfilled once recyclables have been removed.

The Ames Electric Utility has experienced operational issues since the conversion to natural gas as the primary fuel resulting in numerous shutdowns of The Resource Recovery Plant. The result of the shutdowns is that more waste is transported to the Boone County Landfill for disposal. The impacts of the shutdowns are reflected in the increased tonnages noted in Table 6.1, over the last four fiscal years.

The Ames Electric Utility completed recent upgrades implemented to address the above mentioned operational issues and is now only hauling rejected material to the BCL.

Table 6.1 – Waste Disposal – Total Non-Exempt Tons

Fiscal year tonnages as reported to IDNR on the quarterly reports

<u>Source</u>	<u>FY2015</u>	<u>FY2016</u>	<u>FY2017</u>	<u>FY2018</u>	<u>FY2019</u>
Disposal	71,840.42	81,535.75	83,176.30	90,341.5	96,274.41

6.2 Changes in Waste Composition since the Last Approved Update

Waste composition by generator class for waste disposal over the past planning cycle is presented in Table 6.2 below. Tonnages are based upon fiscal year and as tracked by the landfill data program. The most current data is included in Table 6.2 for comparison to historic data.

Table 6.2 – Waste Composition - Generator

<u>Waste Category</u>	<u>Tonnage</u>				
	<u>FY2015</u>	<u>FY2016</u>	<u>FY2017</u>	<u>FY2018</u>	<u>FY2019</u>
MSW - BCL Service Area	39,451.19	37,553.40	30,698.70	22,610.25	22,423.12
MSW - Ames/Story County	11,270.58	17,886.06	33,569.24	39,944.06	43,087.17
C&D - BCL Service Area	7,862.64	7,313.98	14,703.05	7,565.24	12,533.18
C&D - Ames/Story County	10,252.92	14,684.17	2,010.59	18,216.61	17,151.10
SWA - BCL Service Area	743.01	1,085.37	79.21	493.30	120.18
SWA - Ames/Story County	824.74	2,269.35	1,792.45	1,166.20	632.46
Asbestos - BCL Service Area	201.80	53.53	24.44	53.12	86.91
Asbestos - Ames/Story County	883.20	620.27	274.39	275.26	290.74

Waste composition by material type has not been evaluated through waste sorts during the Planning cycle.

6.3 Effect of Anticipated Planning Area Modifications

Two trends in the data are readily noticeable. MSW from the BCL service area have dropped considerably when compared to fiscal years 2015-2017. Tonnages noted for FY2018 and FY2019 are more in line with the FY2014 tonnage of 21,299.76 tons, as reported in the 2014 Comprehensive Plan Update.

An increase in MSW tonnage from the Ames/Story County service area is noted in FY2017, and significant tonnage increases are noted in FY2017 through FY2019. These increases correspond to system modifications at the Ames Resource Recovery System discussed in Section 6.1. The facility is currently undergoing upgrades which are designed to address the referenced operational issues thus decreasing the amount of MSW from the Ames/Story County service area requiring landfill disposal.

It is anticipated that MSW tonnages will continue to increase from the Ames/Story portion of the planning area until the ARRP/Ames Electric Utility overcome the operational issues at the Ames Electric Utility and RDF production and use outpaces growth. The remainder of the planning area is experiencing minimal growth and as such MSW generation rates should remain relatively stable.

VII. EXISTING INTEGRATED SOLID WASTE MANAGEMENT REPORT: 101.13(2)"g"

7.1 New & Evolving Strategies, Efforts, Programs: 101.13(2)"g"(1)

The residential curbside collection of municipal solid waste and recycling is broad and varied within the planning area.

In Story County, because of the ARRP, there is minimal curbside recycling. All residential waste is transported to the ARRP where it is then processed to remove recyclable materials and generate RDF. Placing glass of any kind into

the waste stream is discouraged as it is detrimental to the combustion chamber at the Ames power plant. There are numerous glass drop-off locations throughout the county. The ARRP also acts as a collection point for recycled glass from out-of-planning area agencies to facilitate transport to Ripple Glass from Kansas City.

Within Greene County, curbside collection of municipal solid waste and recycling is based on the pay-as-you-throw model. Green County Recycling Agency (GCRA) employs a dual stream recycling method to keep paper separate from metal, plastic, and glass. In October of 2019 the GCRA's recycling processor, Genesis Development, ceased all operations. The City of Jefferson provides the recycling collection for the GCRA for the communities of Grand Junction, Rippey, Dana, Paton, and Churdan. Recycling from these communities and Greene County (excluding the city of Jefferson) are transported to Boone County Recycling Services.

Throughout the Planning Area public awareness of recycling & disposal options continue for the following –

- Asphalt Shingle Recycling – The BCL continues to provide drop-off for clean asphalt shingles to the planning area. Once a sufficient quantity of shingles has been collected, they are transported by landfill staff the Metro Waste Authority (East) for processing. The truck then back hauls processed shingles back to Boone County to be used by the Secondary Roads Department.
- Motor Oil, Oil Filters, and Lead-Acid Batteries – Numerous outlets for proper oil and battery disposal, including the landfill drop-off area (batteries only), are available throughout the Planning area. Local automobile service centers offer disposal services as well. This educational effort is part of the on-going program.
- E-Waste – The BCL will begin to ban screens from the landfill starting July 1, 2020
- Pallets – The Landfill has partnered with a couple of industries in Boone to remove pallets from the waste stream. A third party vendor collects the pallets for reuse or repurposing.
- Tire Stewardship – Numerous outlets for proper tire disposal, including the landfill, are available throughout the Planning area. All of the collection locations including the landfill charge a fee for tire disposal.
- Educational efforts are mainly directed to encouraging residents and businesses to leave their tires with the tire dealers. Educational efforts are part of the on-going program.
- Household Appliances – Numerous outlets are available for proper appliance disposal throughout the planning area. Both the landfill and the Resource Recovery Plant also accept appliances for offsite de-manufacturing at IDNR

permitted facilities.

- Educational efforts regarding appliance de-manufacturing and management have increased with the IDNR regulations requiring the permitting and certification of de-manufacturers. This educational initiative is anticipated to be an on-going effort.
- Backyard Composting & Yard Waste Management – A yard waste management site is located at the Landfill. This facility accepts garden waste, leaves, green grass and brush for a fee. The BCL sponsors specific dates throughout the year allowing residents to bring yard waste free of charge.

The City of Ames also has a tree and yard waste site located on Freel Drive. In addition, Ames has a rebate program for backyard composting, and in July of 2019, started a pilot food waste diversion program.

Each governmental subdivision in the Planning Area also encourages backyard composting and leave-it-lay programs. The BCL and ARRP websites include information on Yard Waste Alternatives Programs. The BCL website also provides details about yard waste collection and costs.

- Household Hazardous Materials (HHM) – The HHM satellite collection centers, located at both the Boone County Landfill and The Ames Resource Recovery Plant accept materials from residents in the planning area free-of-charge during normal open hours.

Educational materials developed by the BCL and the City of Ames include specific information for using the HHM satellite. Details regarding which HHM is accepted are detailed on the website and are provided in brochures and handouts. In addition, businesses in the Planning Area that may qualify as Conditionally Exempt Small Quantity Generators (CESQG) are encouraged to work directly with the Metro Waste Authority (MWA) RCC for continuously generated waste streams. The MWA staff is also available to speak at the area schools and provide educational literature for students to learn how to properly dispose of HHM and what alternatives are available. The Landfill staff provides presentations to the schools when requested.

- Glass, Paper, Plastic, and Metal – Each of these materials are accepted by recycle haulers and in the drop-off containers in the planning area.

Brochures and notices from the haulers/recyclers detail the proper preparation of the recyclables for collection and the locations of recycling drop-off facilities. The website provides additional detail about the recycling programs available to the plan area and at the Landfill. Presentation(s) to the local civic groups also provides detailed information regarding the various programs available within the planning area.

7.2 Private Contractors & Service Providers (101.13(2)"g" (2))

Waste Collection & Hauling/ Recycling Collection & Hauling – Residential, Commercial, and Industrial waste collection and hauling services are provided in the Planning Area by the following contractors:

Ankeny Sanitation, Inc. (ASI)
Arends Sanitation
Aspen Waste Systems of Iowa
Carroll Refuse Service
Chitty Garbage Service, Inc
Garbage Guys
Jerry's Sanitation
Pratt Sanitation, Inc.
Stone Sanitation
Tom Walters Sanitation
Walters Sanitation Service, Inc.
Waste Management

Within the Ames planning area, Chitty Garbage Service, Inc. and Waste Management offer single stream recycling for an additional fee. Chitty Garbage Service also offers a cardboard collection route for businesses.

Within Boone County, single stream recycling is collected by the local haulers and transported to the Boone County Recycling facility at the landfill.

Carroll Refuse provides single stream recycling collection for the communities of Farnhamville, Lohrville, and Somers, in Calhoun County.

Special Items Collection & Hauling – All haulers in the planning area offer arrangements to collect special items upon request. Special items typically include appliances, over-sized materials, and moving debris.

7.3 New Waste Management Programs & Waste Management Hierarchy (101.13(2)"g" (3))

The Iowa Code 455B.301A Waste Management Hierarchy is the basis for the existing waste management programs implemented to date.

The hierarchy is described as:

- a) Reduction at the source
- b) Recycling & reuse
- c) Combustion with Energy Recovery
- d) Combustion for Reduction of Volume
- e) Landfilling

New (since last Update) waste reduction and recycling programs have been implemented in the Planning area.

Through the Office of Sustainability, Iowa State University has numerous on-

going programs directly related to the waste management hierarchy. These include a waste reduction initiative within ISU Dining resulting in nearly a 50% reduction in food waste from 2009 to 2010, and partnerships between numerous departments and Information Technology Services resulting in a 33% reduction in paper use. ISU uses a campus wide single stream recycling model, achieving an average recycling rate of 65%. The University's ongoing ISU Surplus Program allows for furniture/equipment deemed unusable by one department can be utilized by another. The Move Out Donation Program is the Department of Residence's annual spring move-out collection event which any reusable items (food, clothing, furniture, cleaning supplies, etc.) are collect and redistributed to community shelters, food banks and non-profit organizations.

Within Ames, Food at First Pantry has been established using food from local restaurants and grocery stores that is safe for human consumption, which would otherwise be disposed of due to store/restaurant policies.

Ames also partners with the ISU Office of Sustainability to host the annual Rummage RAMPage. This community sale is designed to keep reusable items generated during student lease change overs out of the waste stream. Rummage RAMPage is a community effort to pair unwanted items with others seeking low cost alternatives to furnish a home. This effort has grown every year since its inception in 2016 and has diverted 170.25 tons from the landfill.

In 2017 the ARRP began a pumpkin composting program diverting 13 tons of pumpkins from the waste stream.

The ARRP has started the Smart Business Challenge which offers rewards at Gold, Silver, and Bronze levels for local businesses based on sustainability practices. Award winners are recognized each year at an annual luncheon.

The BCL has instituted numerous improvements at the facility. These include: the construction of a new recycling collection building at the landfill; construction of a new landfill cell allowing for the ability to recirculate leachate; completion of a small load drop off area; the use of a spray on ADC to conserve airspace, and the expansion of their existing shop.

The customer service and drop-off area at the BCL has greatly improved participation during the past year. Increasing convenience and access to the public is intended to increase participation in the various opportunities that are available to the public.

CISWMA is committed to employing continued education as a strategy to increase per capita volume in the various waste diversion and recycling programs where participation in the programs is already high.

VIII. EVALUATION OF PROGRESS TOWARD GOALS: 101.13(2)"h"

8.1 Trend Analysis

Waste volume diversion rates have decreased from 59.66% in FY2013 to

31.28% (2019). The current IDNR calculated diversion rate is above the 25% goal and above the statewide average. The decline in the diversion rates is largely attributable to the operational issues at the Ames Power Plant. Unit based pricing is in effect throughout the Planning Area.

8.2 Goal-Setting and Objective – Based Strategies

Previously, CISWMA identified the following goals and strategies as paramount in achieving best management of the solid waste in the Planning Area:

- Education on all aspects of the CISWMA through many and varied methods
- Maintaining partnerships with recycling contractors
- Preserve the liberties of all recyclers to identify and respond to the market
- Maintaining high participation in residential recycling
- Increasing per capita volume of residential recycled materials
- Maintaining high participation in commercial/industrial recycling
- Increasing the volume of commercial/industrial recycled materials
- Maintain existing programs within the Planning Area
- Implement new programs as the need is identified and justified
- Maintain low occurrence of illegal dumping
- Identify new recyclable materials (mattresses)
- Market monitoring and development for recyclable materials

These goals/strategies are still appropriate for continual monitoring of the waste reduction and recycling programs.

Contact and collaboration with industry is planned in the upcoming planning cycle (see Section 10.1 below).

8.3 Existing Program Benefits and Warranted Improvement

1. Unit-Based-Pricing

Status – The various Planning Area communities require Unit-Based-Pricing (UBP) programs. Those communities continue to require UBP by the haulers providing waste collection services. Many of these haulers also provide the communities with recycling collection services.

Benefits – In the Planning Area obvious financial incentives exist for generators, haulers, and processors for separation, collection, and marketing of recyclables from the waste stream. However, significant fluctuations in the recycling markets can impact the financial rewards and result in an oscillation of recovery rates.

Opportunities for Improvements – Since the Planning Area communities have adopted UBP, participation in recycling is high. The greatest opportunity for improvement in the system appears to be increasing the volume that each participant diverts from the system, whether the participant is an individual, or a commercial/industrial facility. When participation rates are high, small increases in per capita volumes will have a large impact on total diversion. Education and promotion of recycling is deemed to be an important component in increasing per

capita volumes of recycled materials.

2. Landfill Services

Status – The BCL currently provides recycling programs for pallets, waste tires, scrap metal, yard waste/brush, asphalt shingles, drop-off recycling, and Household Hazardous Materials. The landfill has completed considerable improvement to the customer drop-off facilities.

Benefits – Having recycling and alternative disposal opportunities at the BCL allows residents and businesses to utilize these facilities efficiently and conveniently with a “one-stop” approach. People tend to be more willing to recycle when services are convenient. It also allows the staff to monitor the facilities and comply with State regulations.

Opportunities for Improvements – With the seemingly continuous changes in technology, residents and businesses generate electronic wastes. Currently, the Landfill is looking at requiring the recycling of monitors as opposed to landfilling them.

3. Ames Resource Recovery Plant

Status – The ARRP currently provides recycling programs for waste tires, yard waste/brush, and household hazardous materials. Glass from both in and outside their planning area is also collected and recycled. Metals are removed from the waste stream as the waste is processed into RDF.

4. Hauler Services

Status – Numerous haulers operate throughout the planning area and offer both solid waste collection and recyclable collection. Numerous haulers have converted to single stream recycling collection. Within Greene County the GCRA employs a dual stream recycling collection.

Benefits – The availability of multiple recycling haulers in the Planning area is a great benefit by providing curbside collection and drop-off services. A variety of high quality, cost effective services are offered by haulers throughout the Planning area. This provides economical recycling options and convenience to the residents and businesses, encouraging more participation.

Education and promotion of recycling collection services by private haulers is an important component in increasing per capita volumes of recycled materials. Education and promotion of convenient and economical collection services for banned materials (i.e. appliances, yard waste, etc.) is critical to increasing the diversion of those items and minimizing the tendency to store, mismanage, or illegally dump such materials.

Opportunities for Improvements – The fluctuations in recycling markets result in varied through-put for certain recycle streams over time. The Planning Area and Landfill will continue to support the efforts of the existing haulers/recyclers and to

partner in educational efforts.

5. Education & Outreach Programs

Status - Educational and outreach activities/efforts throughout the Planning Area during the past planning cycle have been steady. Assistance with commercial/industrial outreach is provided by the Iowa Waste Reduction Center.

Benefits – Knowledge of what programs exist and how to utilize each program is paramount in citizen participation.

Opportunities for Improvements – Education and outreach must be constant and fluid. The BCL and ARRP staff periodically review the education and outreach programs and make modifications when appropriate. When new State regulations restrict the disposal of items or when the staff sees changes in the waste being brought to the BCL or the ARRP, the educational programs are redirected to address the issue. New requirements are added to the website contents. The BCL and ARRP staff discuss new requirements in various presentations they provide to the City Council meetings, the Board of Supervisors meetings, in talks to civic groups, and with the school classes.

IX. ANALYSIS OF SOLID WASTE ALTERNATIVES: 101.13(2)"i"

9.1 Previous Considerations

New technology is touted periodically in the solid waste industry. Many do not make it through the experimental stage. The following were some of the proven alternatives considered during previous planning cycles for the Planning Area:

- MSW Composting
- Food Waste Composting
- Expanding ARRP Service Area
- Construction & Demolition Waste

9.2 Current Analysis

MSW Composting - MSW composting is an issue that receives on-going attention throughout the United States. The CISWMA undertook a preliminary assessment of the technical and cost feasibility of the then current technology with the 2002 Plan Update. That study indicated the feasibility of MSW composting was hampered by an almost complete lack of markets for the composted material. Staff have continued to monitor this subject and have found nothing to indicate any progress in developing markets for this type of product.

Food Waste Composting - This type of processing is much more feasible and is gaining traction in the State. The City of Ames has instituted a pilot food waste program for Story County through the ARRP to remove food waste from the waste stream. Through the pilot program, the City is partnering with Green R U to operate a food waste collection route that serves grocery stores, food distributors, and restaurants, including clients in the CISWMA planning area. CISWMA continues to be supportive of these efforts. In addition, Iowa State

University has been accepting food waste from its own properties at its composting facility located at 52274 – 260th Street in Ames.

Expanding ARRP Service Area - As in past CISWMA plan updates, a review of the feasibility on increasing the service area of the current Resource Recovery System is deemed not feasible due to system constraints.

C&D Processing/Recycling – Given the CISWMA region continues to experience significant residential and commercial growth, proactive management of construction and demolition waste remains critical. Demolition of derelict commercial building and residential housing also continues to be prevalent as area local governments continue more diligent and concerted effort to improve their communities.

The BCL adopted its Large Scale Demolition/Site Remediation Waste Acceptance Policy in 2004. This policy pertains to large scale demolition and site remediation projects, setting waste diversion requirements for projects that will generate more than 300 tons of waste material. The landfill will not accept stone, brick, concrete, or metals from projects meeting policy criteria. The policy has successfully diverted waste from the landfill from multiple projects in the CISWMA Planning Area.

Overall, the current system continues to handle the area's waste processing and disposal needs in an environmentally sound and pro-active manner. The system enjoys strong public and municipal support.

X. IMPLEMENTATION TIMELINE: 101.13(2)"k"

10.1 Proposed Activities

Activities currently are and will continue to be performed continuously in order to steadily improve programs.

- **Review and update educational programs** – The planning area realizes the importance of educating the public on an ongoing basis. Both the Boone County Landfill and the City of Ames strive to keep the public informed and educated about the planning area's solid waste management system. Public education opportunities include both publications and direct contact with staff.
- **Boone County Landfill Service Area:**

The Boone County landfill provides the following public education opportunities throughout its service area:

Environmental Education Specialist: The Boone County Landfill employs a person dedicated to environmental education. The EES focuses much of their attention on environmental education and oriented school programs which are holistic in nature, rather than only targeting waste management issues.

Publications: Great strides have been made in the planning Area in terms of

providing the public with written information about how to manage their solid waste. A broad range of both general and issue-specific publications are

available. These publications are distributed either via area newspapers, public gatherings, haulers, city halls or through direct requests. Publications that have been developed or updated during the past four years include:

- The Green Pages reuse, recycling and disposal directory
- Greene County Recycling Handbook
- Ames/Story County Recycling Directory
- Boone County Landfill Recycling and Disposal Guide
- L.I.F.E.Style (Living In a Friendly Environmental manner)
- Environmental Agencies, Legislation and Information Resources Fact Sheet
- Tips for Successful Backyard \
- Composting On-Site Organic Waste Management
- What to Do With Latex Paint
- Household Hazardous Waste Guide (published by Metro Waste Authority)
- Business Guide for Conditionally Exempt Small Quantity Generators of Hazardous waste (published by Metro Waste Authority}
- Tire Management Guides (Iowa Tire Initiative and Boone County Landfill)
- How to Reduce Junk Mail
- Closing the Recycling Loop: A Buying Recycled Handbook
- Boone County Landfill/Health & Sanitation Bookmarks
- Boone County Landfill/Boone County Conservation Bookmarks
- Sharps Disposal Guide
- Tips for Filling Your Dumpster
- Drop-Off Recycling Center Bookmarks
- River Writings Newsletter - Environmental Education Coordinator

Paid Advertisements: The Boone County Landfill also places paid advertisements in local publications to provide residents and businesses with information on how to contact staff for answers or to request information. Advertisements such as, "Do you have a question about garbage, recycling, etc." are placed in publications such as the Boone Resident guide and the Boone Area Map published by the Boone Area Chamber of Commerce.

The Landfill also pays for listings in area Yellow Pages under several different headings so that residents and businesses can find the Landfill's telephone number with little difficulty.

The BCL has promoted proper tire management, household hazardous waste collections, yard waste facility programs and its covered load policy through advertisements in local newspapers and on the local AM radio station.

Public Service Announcements/Press Releases: The BCL has a very positive relationship with local media. This is demonstrated by timely printing or airing of public service announcements (i.e., schedule of events, etc.) and press releases (i.e., program announcements, volunteer

recognition, etc.)

Backyard Conservation: The Boone County Landfill EES has promoted the "Backyard Conservation" program sponsored by the NRCS at various events using the Landfill's portable display. This program is targeted at residents and encourages them to adopt yard and landscaping strategies that lessen the impact of human development on the environment. Two key components of the Backyard Conservation program are on-site mulching and composting.

Dragoon River Romp: The Dragoon River Romp, a Keep Boone County Beautiful program, began in 2006. It is a watershed awareness raising event modeled somewhat on Project AWARE. 150+ volunteers band together on a Saturday each September to clean up a stretch of the Des Moines River that runs through Boone County. The event includes both river-based and land-based components. Environmental, cultural and historical education are included in the day's activities. This program was recognized with an award from ISOSWO in 2007.

Speakers Bureau: Since 1998, the BCL has expanded the number of public speaking engagements as well as the number of topics offered for presentation. Speaking engagements discussing the variety of programs offered by the Landfill and solid waste management issues have been provided to civic and community groups throughout the service area. This provides an excellent opportunity to share timely information as well as answer questions from local residents and businesses.

In addition, the number of facility tours conducted by landfill staff has increased dramatically. Historically, facility tours had been offered to just area schools. The school facility tours have been enhanced as well as offering tours to various community and civic groups. In addition to schools, facility tours have been provided to groups such as: Boone County Soil and Water Conservation Commissioners; Boone Garden Club, Master Gardeners, Greene County Recycling Agency and others.

The local AM radio station, KWBG hosts a call-in public information radio show called, "iTuned-In." Landfill staff and the EES are routinely asked to be a guest on the program. This provides an excellent opportunity to share timely information as well as answer questions from local residents and businesses.

The landfill also hosts an "Ask The Expert" show once a month on KWBG. As with the Tuned In program, this provides a timely opportunity to share information about waste management and the environment.

Business/Workplace Outreach: The BCL recognizes that commercial waste is a large percentage of the waste stream it handles. The Landfill utilizes several strategies to encourage businesses and workplaces to proactively manage the wastes they generate.

Iowa Waste Exchange: The BCL maintains a close working relationship with Shelene Codner, the representative of the Iowa Waste Exchange that handles the CISWMA planning area. Through this relationship, businesses are identified that might benefit from the services that are offered by the Iowa Waste Exchange. Ms. Codner routinely visits businesses in the BCL service area.

Chamber of Commerce: The BCL works closely with the Boone Area Chamber of Commerce on a number of projects and programs. The Chamber makes referrals to the Landfill when they have customers or members needing information on solid waste management issues. They also provide landfill publications to residents and businesses moving into the Boone County area.

Portable Displays: The BCL has developed two portable displays that are utilized at events such as the Senior Fair, Celebrate Families Event, Boone Area Home Show, Career Fair, Courthouse and libraries.

Web Site: The use of the internet for dissemination of information has become an established strategy in much of the planning area. In coordination with Boone County, the Boone County Landfill has established a web page that addresses the management of solid waste. The BCL page can be accessed through the services tab at www.boonecounty.iowa.gov.

Greene County Recycling Agency:

The GCRA handles recyclables collection and processing for all of Greene County (except the City of Scranton.) Over the past several years the GCRA has developed and distributed the Greene County Recycling Handbook to all residents in Greene County.

City of Scranton:

The City of Scranton provides a handbook to residents that among other things includes information about the City's garbage and recycling program. As needed the City also sends out postcards to its residents with information about their recycling program.

Ames Resource Recovery Plant Service Area:

The Ames Resource Recovery Plant provides the following public education opportunities:

Media and Website: The ARRP, through the City of Ames Information Department, has full access to all of the City's website, social media, and media platforms. Content such as newsletters, information on propane tank disposal, glass recycling, and HHW Satellite Site/Hazardous Chemical in Our Home are all posted to all of the City's social media platforms.

The City of Ames has established a web page that addresses the management of solid waste. The City of Ames web address is: ww.cityofames.org/smarttrash.

Publications: The City of Ames publishes and distributes a number of educational materials including:

ARRP Plant Brochures
Recovery System Schematics
Where Does Your Garbage Go? Coloring Book

Virtual Tour: The City of Ames' web site offers a virtual tour of the Resource Recovery Plant.

Facility Tours and Special Events: The ARRP conducts facility tours throughout the year. In addition, plant staff are available to speak to groups upon request. Resource Recovery Plant staff also participate in the following: Eco Fair, Customer Appreciation Day, Sustainapalooza, and Welcome Fest for ISU students, as well as local elementary school "Science Nights."

Out of Planning Area Waste: Both Boone County Landfill and City of Ames staff educate people who attempt to deliver loads generated from outside of the Planning Area as to the proper disposal facility for their waste. The Boone County Landfill keeps a log of rejected loads. In addition to information posted at the Landfill's scale house, the Green Pages include a description of the planning area.

Copies of publications are available through the City of Ames website or the Boone County website or upon request. Examples are included in Appendix D.

Although a vital and important aspect of any program, the impact on the waste stream from educational programs cannot be quantified.

- **HHM Collection Events and Education** – With the assistance of MWA RCC staff, the ARRP and BCL staff will continue to expand the residential awareness programs for HHM. Awareness programs and convenient disposal opportunities will reduce the tendency to throw HHM in with the regular trash. The availability of the satellite facility at the BCL and ARRP, in addition to the MWA Bondurant RCC provides residents opportunities to dispose of HHM. Hosting collection events in the Planning Area communities provide other opportunities for residents to dispose of HHM.

The BCL, ARRP and MWA staff are available to visit schools throughout the year to provide student awareness of HHM disposal options and alternatives. This program will have minimal affect on the tonnage being landfilled, but it will have a major impact on the potentially hazardous components being deposited that have the potential to enter the leachate collection system and require treatment.

- **Airspace Management at the Landfill** – It is in the best interests of the 28E members for the airspace available for waste disposal at the landfill to be used efficiently. The Landfill staff monitor the site, look at technology to increase airspace, and look at equipment that will maximize compaction. Compaction equipment and the use of a spray on Alternative Daily Cover (ADC) using the trade name Posi-Shell is utilized. Success will be evaluated on an on-going basis.

Optimal air space management will slow the need to construct future cells

although it will not impact the quantity of waste received at the landfill. There is no significant educational component except reassurance of the Cities and residents that the BCL staff is conscientiously monitoring the site life and the cost of disposal.

- **Visual Waste Composition Surveys** – It is important for the BCL and ARRP staff to perform visual waste surveys to assess where future diversion efforts might need to be directed. Landfill staff can conduct these during the performance of their routine duties. Based upon these visual surveys, staff can determine if additional diversion and/or educational efforts are needed.

These surveys will not have any direct impact on the waste diverted, but will help in planning future programs or in recognizing a need to contact waste generators or haulers individually or as a group for better scrutiny of unacceptable waste items. Public education will not be required for the visual surveys and may or may not result in education/awareness of the waste generators and/or haulers, depending upon what might be the results of the surveys.

- **Collaborate with Industry** – Industry continues to increase in the planning area. Outreach to industry (existing and future) will be continued by the BCL and ARRP staff.

Based on review of the industrial tonnages received at the landfill, contact with industry will continue to be made during the upcoming planning cycle. Information pertaining to the IDNR P2 Program will be provided to the contacted industries. Industries will be contacted if the BCL staff identifies opportunities.

10.2 Responsible Organizations

Boone County, the City of Ames and the other members of the 28E are responsible for proposed activities and for financing all activities.

10.3 Implementation Milestones & Associated Education

Updates by John Roosa and Bill Schmitt will be presented to their respective governing agency and to the 28E membership.

Proposed activities under Section 10.1 will occur continuously over the six (6) year planning period.

10.4 Anticipated Impact on Waste Streams and Diversion

Optimal management of the waste streams is anticipated through the continual improvement and maintenance of existing programs. Additionally, new methods to manage certain waste streams are anticipated to be identified in the future, leading to reduction of the waste stream disposal. Recent upgrades to the ARRP are anticipated improve operation of the facility with the goal of increasing RDF

production/landfill diversion to levels achieved prior to the conversion to a natural gas system. Increased diversion is the goal of the continual improvement and maintenance.

APPENDIX A:

Resolutions Approving Plan Update VIII

RESOLUTION

WHEREAS, section 455B.302 of the Code of Iowa requires every city and county of this state to provide for the establishment and operation of a comprehensive solid waste reduction program consistent with the waste management hierarchy under section 455B.301A, and a sanitary disposal project for final disposal of solid waste by its residents; and

WHEREAS, section 455B.306(1) of the Code of Iowa requires that all cities and counties file with the director of the department of natural resources a comprehensive plan detailing the method by which the city or county will comply with the requirements of section 455B.302 to establish and implement a comprehensive solid waste reduction program for its residents; and

WHEREAS, a comprehensive plan update, as described in section 455B.306 of the Code of Iowa has been prepared at the direction of and in participation with the County of Boone, entitled, Central Iowa Solid Waste Management Association's 2020 Comprehensive Solid Waste Management Plan Update VIII by HLW Engineering Group, and dated this 30th day of April 2020; and

WHEREAS, the County Board of Supervisors has determined that the adoption and implementation of the proposed comprehensive plan is in the best interest of the County with respect to satisfying the County's statutory duties.

NOW, THEREFORE, IT IS HEREBY RESOLVED by the Board of Supervisors of Boone County, that the proposed comprehensive plan update is hereby adopted as the comprehensive solid waste reduction plan of the County.

AND BE IT FURTHER RESOLVED that County shall implement and participate in the programs set forth in the comprehensive plan update.

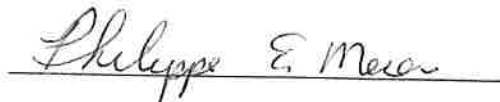
AND BE IT FURTHER RESOLVED that the comprehensive plan update shall be submitted to the Iowa Department of Natural Resources, on behalf of the County of Boone in satisfaction of section 455B.306(1) of the Code of Iowa.

Adopted this 26th day of Feb 2020 by the Boone County Board of Supervisors.

SIGNED:



ATTEST:



APPENDIX B:

Public Meeting/Hearing Information – Plan Development

NOTICE OF PUBLIC MEETINGS ON
SUBSEQUENT PART VIII COMPREHENSIVE PLAN
CENTRAL IOWA WASTE MANAGEMENT ASSOCIATION

You are hereby notified that a series of public meetings will be held on The Subsequent Part VIII Update of the Comprehensive Plan for the Central Iowa Waste Management Association. The Central Iowa Waste Management Association planning area includes: Ames/Story County (except Collins, Colo, and Sheldahl); Boone County (except Sheldahl); Greene County (except Jefferson); Bouton, Granger, and Woodward in Dallas County; and Farnhamville, Lohrville, and Somers in Calhoun County.

The following public meetings will be held:

September 11, 2019, at 9:00 a.m., 4th Floor, Boone County Courthouse, 201 State Street,
Boone, Iowa.

September 11, 2019, at 11:00 a.m., Room 135, Ames City Hall, 515 Clark Avenue,
Ames, Iowa.

September 12, 2019, at 5:00 p.m., Jefferson City Hall, 220 N. Chestnut, Jefferson, Iowa.

All members of the public are invited to attend and may make statements concerning the matter of the Comprehensive Plan. In addition, comments may be submitted in writing at that time, or before and said comments shall be made a part of the public record concerning this Plan. A copy of the Comprehensive Plan and its Subsequent Parts I, II, III, IV, V, VI, and VII may be reviewed at the offices of the Boone County Landfill at 1268 224th Lane, Boone, Iowa.

CENTRAL IOWA WASTE MANAGEMENT ASSOCIATION

By: _____
John Roosa, Administrator
Boone County Landfill
1268 224th Lane
Boone, Iowa 50036
515-433-0591

OCT 10 2019

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Published in The Scranton Journal on Sept. 4, 2019.

PROOF OF PUBLICATION

**State of Iowa
Greene County**

I, Luann Waldo, publisher of The Scranton Journal, a weekly newspaper published in Scranton, Iowa, in county and state aforesaid, state that the notice of which is annexed is a printed copy and was published in said newspaper for 1 consecutive week(s) and appeared on the dates given below:

- 1 Sept. 4, 2019
- 2 _____, 2019
- 3 _____, 2019

I, Luann Waldo, do hereby state that I certify under penalty of perjury and pursuant to the laws of the State of Iowa that the preceding is true and correct as I verily believe.

Signed Luann Waldo
Oct. 8, 2019

Publishing Fee:

53 Lines @ .627 \$ 33.23
 _____ 2nd Insert @ .931 \$ _____
 _____ Inches @ \$4 \$ _____
 _____ Lines/2 Col. @ 1.379 \$ _____
 _____ Probate @ \$1.254 \$ _____
 _____ Classified @ \$4..75 \$ _____
 _____ @ _____ \$ _____

PUBLIC NOTICES

Public Notice Advertising Protects Your Right To Know

SUPERVISOR PROCEEDINGS

GREENE COUNTY BOARD OF SUPERVISORS
Regular Session
Auditor's Office, Jefferson, Iowa
AUGUST 26, 2019

Greene County Board of Supervisors met at 8:30 a.m. in the courthouse boardroom with all supervisors present: Bardole, Burkett, Contner, Muir, Rudolph. Motion by Bardole, second by Contner to approve the agenda: Motion carried unanimously. Motion by Contner, second by Bardole to approve the minutes of August 19, 2019. Motion carried unanimously.

Chair John Muir reported working on an update of the county's employee handbook last week with Renee Von Bokern. The entire board is to be given the next draft for review and input. Chuck Wenthold and Dan Towers gave an update on the fish kill in Hardin Creek last week - the cause of the fish kill is still unknown. Towers also reported on the status of the (FEMA) repair to the bridge over the bike trail. Sheriff Jack Williams and ambulance director Michelle Madsen reported completing a medical examiner investigator course held in St. Louis last week.

County attorney Thomas Laehn shared with the board his draft of a social host ordinance for review and questions. Laehn explained that, while Iowa Code §123.47B currently pertains to persons under the age of 18 consuming alcohol, his draft ordinance would extend the law to 18-, 19- and 20-year old individuals regarding the provision of alcoholic beverages, prescription drugs and controlled substances in Greene County. Discussion followed, with no action taken at this time.

A subscriber license and services agreement for imaging software was presented by IT director Michelle Fields and recorder Marcia Tasler. The agreement was reviewed by county attorney Laehn and he also provided input. Motion by Contner, second by Rudolph to approve a Subscriber License and Services Agreement with Tyler Technologies and Greene County for Eagle Recorder software and conversion costs. Motion carried unanimously.

Motion by Rudolph, second by Burkett to approve Resolution 2019-34:

BE IT RESOLVED that the Greene County Board of Supervisors approves hiring Kim Christensen as part time secretary in the Sheriff's office at a rate of \$15/hour.

Roll call: Aye: Bardole, Burkett, Contner, Muir, Rudolph. Resolution unanimously approved.

Motion by Contner, second by Bardole to approve the county's FY20 substance abuse grant with the Iowa Department of Public Health. Motion carried unanimously.

Motion by Contner, second by Burkett to approve claims for payment.

Motion carried unanimously.
 Muir adjourned the meeting at 9:20 a.m.
 /s/ **JOHN J. MUIR, Chair BOS**
ATTEST:
 /s/ **JANE HEUN, Auditor**

GREENE COUNTY CLAIMS

AUGUST 26, 2019

ACCESS SYSTEMS, COMP/TECH SVCS	\$4,563.30
ACCESS SYSTEMS INC, EQ RENT	201.72
ACME TOOLS - DSM, TOOLS	107.96
ALLIANT ENERGY, UTIL	4,589.20
AUDITOR, WEBSTER CO, DD ASSMT COSTS	30.30
BAUER BUILT MFG, EQ PARTS	350.00
BLACK HILLS ENERGY, UTIL	36.40
BOLTON & MENK, DD ENG SVCS	4,147.50
BOMGAARS, SUPPL	854.62
CARD SVC CENTER, SUPPL/UNIF/LODGING	2,085.82
CITY OF CHURDAN, UTIL	10.71
CLEAR LAKE BANK & TRUST, SVC/FRT	43.90
COMPUTER CONCEPTS OF IA, SVC	50.00
COTT SYSTEMS, SVCS	150.00
DES MOINES STAMP MFG, STAMP	32.40
DURBIN AUTO/TRUCK RPR, TOWING/VEH RPR	860.79
ELECTRONIC ENG, RADIO RPR	1,444.95
ESRI, ARC GIS MAPPING	5,200.00
GANNON, JOSEPH, TWP MTG	20.00
GILLEY, JEFF, TWP MTG	20.00
GREENE CO COURTESY FD, REIMB PSTG	186.94
GREENE CO PUBLIC HEALTH, FLO THRU FDS	2,082.07
HARRISON TRUCK CENTERS, EQ PARTS	1,426.04
HENRY M ADKINS & SON, SPEC ELECT BALLOTS/PROGR	1,159.43
HIWAY TRUCK EQPMT, EQ PARTS	28,126.38
HOSKINS, BILLIE JO, CONF MLGE/PKG	221.10
HYVEE, SUPPL	299.19
INTERSTATE BATTERY OF UPPER IA, BATTERIES	99.95
IOWA D.O.T., SIGNS	1,121.64
IOWA PRECINCT ATLAS CONSULTIUM, REGIS	50.00
JMD MFG, SUPPL	1,608.38
KEN'S WOOD PRODUCTS, LATH	360.00
MARTIN MARIETTA AGG, ROAD STONE	4,835.14
MARTIN'S FLAG CO, GRAVE MKRS	293.31
MATT'S TIRE SERVICE INC, TIRES/TUBES	1,603.00
MEDICAP PHARMACY, SUPPL	112.75
METRO WASTE AUTHORITY, BULBS DISPOSAL	117.99
MIDLAND POWER CO-OP, UTIL	789.51
MIDWEST WHEEL, EQ PARTS	2,233.39
OFFICE STOP, SUPPL	19.50
PHILLIPS, MICHELLE, TRANSCRIPT	175.00
PIONEER TELEPHONE, LD SVC	31.20
SHERIFF, GREENE CO, SVC/MLGE	360.52

SHERIFF, HUMBOLDT CO, SVC	32.00
SMITH, ADAM, MLGE/PKG	147.40
SNAP-ON TOOLS, TOOLS	28.31
SOHM, WADE, TWP MTG	20.00
STAPLES BUSINESS ADVANTAGE, SUPPL	19.58
STAR ENERGY, FUEL	14,549.89
STATE ELECTION ADMIN TRAINING, REGIS	100.00
STONE OFFICE PRODUCTS, SUPPL	108.31
TREASURER, GREENE CO, SEC RDS DD ASSMTS	5,851.00
US CELLULAR, CELL SVC	462.25
VAN-WALL EQPMT, EQ PARTS	590.99
WALTERS SANITARY SVC, SVCS	1,495.00
WEST-THOMSON REUTERS, WESTLAW	466.36
WHELEN ENGINEERING, EQ PARTS	1,512.00
WINDSTREAM IOWA COMM, PHONE	78.22
XENIA RURAL WATER DIST, UTIL	901.90
ZIEGLER, EQ PARTS	1,880.57
TOTAL	\$100,355.78
GEN BASIC	\$17,187.25
GEN SUPPL	2,278.86
MH/DD	69.82
RURAL	1,346.92
SEC RDS	69,671.58
K9	31.99
DRAINS	4,177.80
ASSR	5,591.56
TOTAL	\$100,355.78

NOTICE OF PUBLIC HEARING - GREENE COUNTY COMMUNITY SCHOOL DISTRICT

Pursuant to Chapters 21 and 298A Code of Iowa, **NOTICE IS HEREBY GIVEN** that a public hearing will be held by the Greene County Community School District, 6:30 p.m., Wednesday, September 18, 2019, in the Administrative Building Conference Room, 204 W. Madison, Jefferson, Iowa. This hearing is on a resolution to expend funds from district's Flexibility Account for Elementary playground updating. These funds, in the amount of \$63,740.39 were unexpended and obligational from Teacher Quality Professional Development Funds at the end of the 2017-2018 fiscal year.

All persons interested are invited to attend this hearing and be heard. Written comments may be submitted to Brenda Muir, Board Secretary on or before 5:00 p.m., September 17, 2019.

Published on order of the Greene County Community School District Board of Directors

Published in *The Scranton Journal* on Sept. 4, 2019.

Public Notice Advertising Protects Your Right To Know What Your Government is Doing. READ THEM!

NOTICE MEET SUB: PA COMPI CENT V MAN ASSO

You are here... The Subsequent... The Iowa... The Co... management Ass... includes: Ame... Collins, Colo... County (exce... County (exce... Granger, and... County; and... and Somers ir... The follow... be held:

September a.m., 4th Floor house, 201 Iowa.

September a.m., Room 1 Clark Avenue,

September p.m., Jeffers Chestnut, Jeff

All membe... vited to atten... ments concer... Comprehensive... comments ma... ing at that ti... comments shi... public record... copy of the C... its Subsequ... VI, and VII n... offices of the... at 1268 224... Please contac... istrator at 5... information.

Published on Sept. 4, 2019

GREENE COUNTY REAL ESTATE JUDGMENTS

Trevino, favor of Nebraska \$1,808.71 on Petterson. favor of California \$7,630.5

Ma REAL EST 3/25 Felle ers, Paul A Donald E; \$172,000 N Sec 21-84-3 CHANGE (3/29 Ostl dent to Ostl Lots 313 &

Proof of Publication

The Jefferson Herald
Jefferson, Iowa

STATE OF IOWA }
GREENE COUNTY } ss.

This is to certify that the attached notice was printed 1
consecutive week _____ in The Jefferson Herald, a
weekly newspaper of general circulation in Greene County, Iowa,
the dates of said publication being as follows: _____

September 5, 2019

By Ann Wilson

Publisher - Editor

Subscribed and sworn to before me this 5th

day of September 2019

Rachel Chase

Notary Public, Greene County, Iowa

Cost of Publication \$ 18.98

NOTICE OF PUBLIC MEETINGS ON SUBSEQUENT PART VIII COMPREHENSIVE PLAN CENTRAL IOWA WASTE MANAGEMENT ASSOCIATION

You are hereby notified that a series of public meetings will be held on The Subsequent Part VIII Update of the Comprehensive Plan for the Central Iowa Waste Management Association. The Central Iowa Waste Management Association planning area includes: Ames/Story County (except Collins, Colo, and Sheldahl); Boone County (except Sheldahl); Greene County (except Jefferson); Bouton, Granger, and Woodward in Dallas County; and Farnhamville, Lohrville, and Somers in Calhoun County.

The following public meetings will be held:

September 11, 2019, at 9:00 a.m., 4th Floor, Boone County Courthouse, 201 State Street, Boone, Iowa.

September 11, 2019, at 11:00 a.m., Room 135, Ames City Hall, 515 Clark Avenue, Ames, Iowa.

September 12, 2019, at 5:00 p.m., Jeff-

son City Hall, 220 N. Chestnut, Jefferson, Iowa.

All members of the public are invited to attend and may make statements concerning the matter of the Comprehensive Plan. In addition, comments may be submitted in writing at that time, or before and said comments shall be made a part of the public record concerning this Plan. A copy of the Comprehensive Plan and its Subsequent Parts I, II, III, IV, V, VI, and VII may be reviewed at the offices of the Boone County Landfill at 1268 224th Lane, Boone, Iowa. Please contact: John Roosa, Administrator at 515-433-0591 for more information.

September 5, 2019



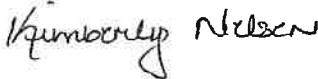
Proof Of Publication In
TRI-COUNTY TIMES

STATE OF IOWA, STORY COUNTY, ss.

I, Rebecca Bjork, on oath depose
and say that I am the Advertising Director
of the **TRI-COUNTY TIMES**, a weekly newspaper,
published at Ames, Story County, Iowa;
that the annexed printed

BOONE COUNTY LANDFILL

was published in said newspaper
1 time(s) on September 5, 2019
the last of said publication was on
the 5th day of September, 2019



Notary Public
sworn to before me and subscribed in my
presence by Rebecca Bjork, Advertising Director,
this the 5th day of September, 2019

FEES: \$29.30
AD #: 1267635
ACCT: 35049

#1267635
NOTICE OF PUBLIC MEETINGS ON
SUBSEQUENT PART VIII
COMPREHENSIVE PLAN
CENTRAL IOWA WASTE
MANAGEMENT ASSOCIATION

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Jefferson City Hall, 220 N. Chest-
nut, Jefferson, Iowa.

All members of the public are in-
vited to attend and may make
statements concerning the matter
of the Comprehensive Plan. In ad-
dition, comments may be submit-
ted in writing at that time, or be-
fore and said comments shall be
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concerning this Plan. A copy of
the Comprehensive Plan and its
Subsequent Parts I, II, III, IV, V, VI,
and VII may be reviewed at the of-
fices of the Boone County Landfill
at 1268 224th Lane, Boone, Iowa.
Please contact: John Roosa, Ad-
ministrator at 515-433-0591 for
more information.

Published in the Ames Tribune,
Nevada Journal, Tri-County Times
and Boone News Republican on
September 5, 2019 (1T)

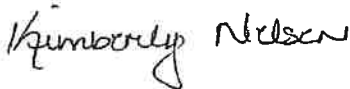
Proof Of Publication In
NEVADA JOURNAL

STATE OF IOWA, STORY COUNTY, ss.

I, Rebecca Bjork, on oath depose
and say that I am Advertising Director of the
NEVADA JOURNAL, a weekly newspaper,
published at Ames, Story County, Iowa; that the
annexed printed

BOONE COUNTY LANDFILL
Comp Plan Final Notice

was published in said newspaper
1 time(s) on September 5, 2019
with the last of said publication on
the 5th day of September, 2019



Notary Public
Sworn to before me and subscribed in my
presence by Rebecca Bjork, Advertising Director
this the 5th day of September, 2019

AD NO: 1267635
FEE: \$29.30
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Published in the Ames Tribune, Nevada Journal, Tri-County Times and Boone News Republican on September 5, 2019 (1T)


Proof Of Publication In
THE AMES TRIBUNE

STATE OF IOWA, STORY COUNTY, ss.

I, Rebecca Bjork, on oath depose and say that I am Advertising Director of **THE AMES TRIBUNE**, a daily newspaper, published at Ames, Story County, Iowa; that the annexed printed

BOONE COUNTY LANDFILL
Comp Plan Final Notice

was published in said newspaper
1 time(s) on September 5, 2019
the last of said publication
was on the 5th day of September, 2019



Notary Public
sworn to before me and subscribed in my
presence by Rebecca Bjork, Advertising Director
on this the 5th day of September, 2019

COST: \$29.30
AD #: 1267635
ACCT: 35049

#1267635
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SUBSEQUENT PART VIII
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Published in the Ames Tribune,
Nevada Journal, Tri-County Times
and Boone News Republican on
September 5, 2019 (1T)

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SUBSEQUENT PART VIII
COMPREHENSIVE PLAN
CENTRAL IOWA WASTE
MANAGEMENT ASSOCIATION**

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Published in the Ogden Reporter on Wednesday, September 4, 2019

RECEIVED

SEP 12 2019

PROOF OF PUBLICATION

STATE OF IOWA }
Boone County } ss.

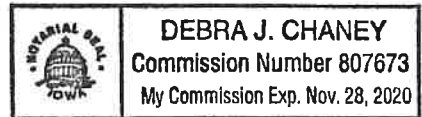
I, the undersigned, being duly sworn, depose and say, that I am Pamela J. DeVries, President of The Ogden Reporter, a weekly newspaper printed in the English language, published at Ogden in Boone County, State of Iowa, and that the annexed Notice of Public meetings for Boone County Landfill

notice was published in said paper once each week for 1 consecutive weeks, the first publication thereof was on the 4th day of September, 2019, the second on the ___ day of ___, 20___, the third on the ___ day of ___, 20___, the fourth on the ___ day of ___, 20___.

Pamela J. DeVries
Pamela J. DeVries, President

Subscribed and sworn to before me and in my presence the 4th day of September, 2019.

Debra J. Chaney
Notary Public: In and for the State of Iowa



Printer's Fees, \$ 20 87

Proof of Publication

STATE OF IOWA }
Boone County } SS.

I, Jennifer C. Williams, publisher of the MADRID REGISTER-NEWS, a weekly Newspaper Printed and Published in Madrid, Boone County, Iowa, do certify that the attached Central Iowa Waste Management Association Comprehensive Plan Meetings Sept. 11 & 12 was published in said newspaper one weeks, commencing September 5 year 2019, and ending September 5 year 2019.

/s/ Jennifer Williams

Central Iowa Waste Management Association

PUBLIC NOTICE

LEGAL NOTICE NOTICE OF PUBLIC MEETINGS ON SUBSEQUENT PART VIII COMPREHENSIVE PLAN CENTRAL IOWA WASTE MANAGEMENT ASSOCIATION

You are hereby notified that a series of public meetings will be held on The Subsequent Part VIII Update of the Comprehensive Plan for the Central Iowa Waste Management Association. The Central Iowa Waste Management Association planning area includes: Ames/St. County (except Collins, Colo, and Sheldahl); Boone County (except Sheldahl); Greene County (except Jefferson); Bouton, Granger, and Woodward in Dallas County; and Farnhamville, Lohrville, and Somers in Calhoun County.

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State Street, Boone, Iowa.

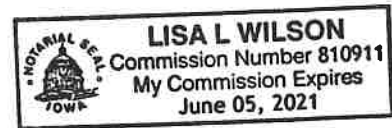
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Published in The Madrid Register-News on Thursday, September 5, 2019.

Subscribed and sworn to before me by
Jennifer C. Williams this 6th day
of September year 2019
Lisa L. Wilson
Notary Public in and for Boone County, Iowa.
Printer's Fee \$25.05



RECEIVED
SEP 12 2019

2019 Public Meeting

Central Iowa Waste Management Association

2019 Comprehensive Plan Update

Meeting Location: Boone County Courthouse Date: 9/11/2019 Time: 9 AM
4th Floor Conference Room

Attendance Sign In :

Name	Address	Phone
John Roosa	1268 224 th Lane Boone	515-433-0591
Carrie Self	1268 224 th Lane Boone	515-433-0591
Terry Mercer	1430 325 Woodward	515-275-8253
TODD WHIPPLE	HLW Engineering	515 733 4144
Chad Behn	1704 1st St Boone	515 201 8039
Phil Meier	528 Crawford	515-432-9389
Bill Zinnel	311 W. Park Ave	515-298-1191
Stephan Alfrey	1028 Aldrich Boone	515-230-2455

**Central Iowa Waste Management Association
Comprehensive Plan Update VIII**

Public Meeting #1 - September 11, 2019, 9:00 am
4th Floor
Boone County Courthouse
201 State Street
Boone, Iowa

Attending:

needs

- New Drop-off center needed

- more communities

- Separate recycle trucks (by Haulers) on
a separate pick-up route

- Terry M

- public is not informed, don't want to be

- need tours of landfill for all children

-

Meeting Open: ~~9:00~~ am 9:13

Meeting Closed: 9:25 am

Steve
Chad
Bill

2019 Public Meeting

Central Iowa Waste Management Association

2019 Comprehensive Plan Update

Meeting Location: Ames Date: 9/11/19 Time: 11 AM

Attendance Sign In :

Name	Address	Phone
John Rossa	1268 224 th Lane Boone	515-433-0591
Carrie Self	1268 224 th Lane Boone	515-433-0591
TODD WHIPPLE	HLW Engineering	515-733-4144
BILL SCHMITT	110 CENTER AVE AMES	515-239-0528

**Central Iowa Waste Management Association
Comprehensive Plan Update VIII**

*Public Meeting #1 – September 12, 2019, 5:00 pm
Jefferson City Hall
220 N. Chestnut
Jefferson, Iowa*

Attending:

TODD WHIPPLE, HLW Engineering Group

Meeting Open: 5:00 pm ✓

Meeting Closed: 5:15 pm ✓

APPENDIX C:

Public Meeting/Hearing Information – Plan Review

apture

0 points.

The Bulldogs improved to 13-13 with the win and the loss ended the season at 15-7 for Baxter.

Ogden played Madrid (17-5) Tuesday in the district semi-finals. The Tigers defeated the Bulldogs twice this season - 63-3 and 63-74.

The Ogden-Madrid winner advances to the District 12 final Thursday in Ankeny against the Ankeny Christian and Grandview Christian winner at 7 p.m.

Scoring by Quarters:

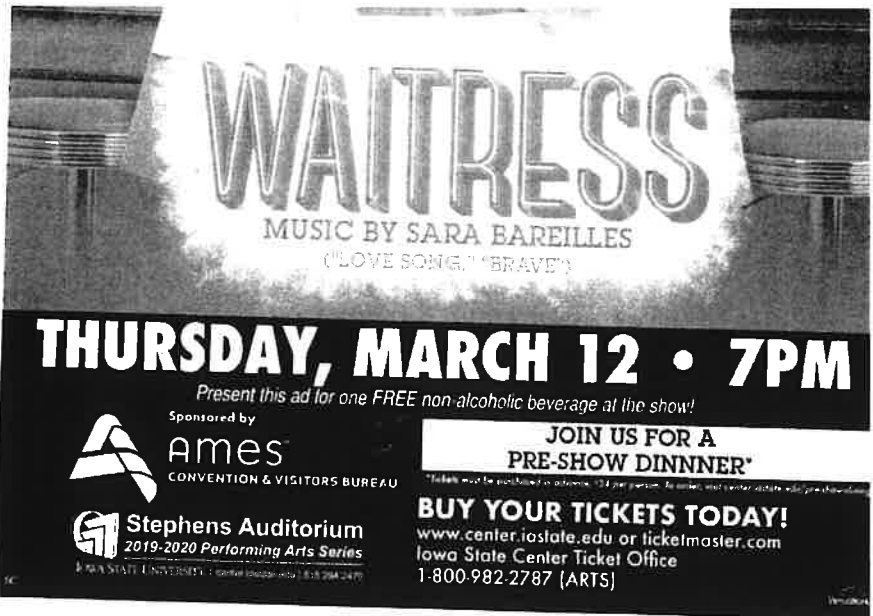
Ogden 9 9 8 21 -47
Baxter 7 14 10 12 -43

Ogden scoring - Griffin Diggs 14, Kaleb Badker 12, Colby Moorman 8, Sam Christensen 5, Lane Snedden 4; Ethan Snedden 4. Three-point goals: Moorman 2, Badker 2, Diggs 1.

cellations

Boone Community Blood Drive, Monday, March 9, 2020 from 1:00 PM - 6:00 PM at Central Christian Church, 803 Gene Street.

Schedule a blood donation appointment online at lifebloodcenter.org or call 287.4903.



WAITRESS
MUSIC BY SARA BAREILLES
("LOVE SONG," "BRAVE")

THURSDAY, MARCH 12 • 7PM

Present this ad for one FREE non-alcoholic beverage at the show!

Sponsored by
Ames
CONVENTION & VISITORS BUREAU

JOIN US FOR A PRE-SHOW DINNER*
*Tickets must be purchased in advance. \$14 per person. At center, visit center.ticketmaster.com

BUY YOUR TICKETS TODAY!
www.center.iastate.edu or ticketmaster.com
Iowa State Center Ticket Office
1-800-982-2787 (ARTS)

Stephens Auditorium
2019-2020 Performing Arts Series
IOWA STATE UNIVERSITY | center.iastate.edu | 515-284-2479

NOTICE OF PUBLIC MEETINGS ON SUBSEQUENT PART VIII COMPREHENSIVE PLAN CENTRAL IOWA SOLID WASTE MANAGEMENT ASSOCIATION

You are hereby notified that a series of public meetings will be held on The Subsequent Part VIII Update of the Comprehensive Plan for the Central Iowa Solid Waste Management Association. The Central Iowa Solid Waste Management Association planning area includes: Ames/Story County (except Collins, Colo, and Sheldahl); Boone County (except Sheldahl); Greene County (except Jefferson); Bouton, Granger, and Woodward in Dallas County; and Farnhamville, Lohrville, and Somers in Calhoun County.

The following public meetings will be held:

February 26, 2020, at 9:00 AM, Board of Supervisors Chambers, 2nd Floor, Boone County Courthouse, 201 State Street, Boone, Iowa.

February 25, 2020, at 9:30 AM, Room 135 Ames City Hall, 515 Clark Avenue, Ames, Iowa.

February 24, 2020, at 9:00 AM : 2nd Floor, Jefferson City Hall, 220 N. Chestnut, Jefferson, Iowa.

All members of the public are invited to attend and may make statements concerning the matter of the Comprehensive Plan. In addition, comments may be submitted in writing at that time, or before and said comments shall be made a part of the public record concerning this Plan. A copy of the Comprehensive Plan and its Subsequent Parts I, II, III, IV, V, VI, and VII may be reviewed at the offices of the Boone County Landfill at 1268 224th Lane, Boone, Iowa.

CENTRAL IOWA SOLID WASTE MANAGEMENT ASSOCIATION

John Roosa Administrator, Boone County Landfill

MAR 02 2020

Proof of Publication

The Jefferson Herald
Jefferson, Iowa

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the offices of the Boone County Landfill at 1268 224th Lane, Boone, Iowa.
CENTRAL IOWA SOLID WASTE MANAGEMENT ASSOCIATION
John Roosa Administrator, Boone County Landfill

February 20, 2020

STATE OF IOWA }
GREENE COUNTY } ss.

This is to certify that the attached notice was printed 1
consecutive week _____ in The Jefferson Herald, a
weekly newspaper of general circulation in Greene County, Iowa,
the dates of said publication being as follows: _____

February 20, 2020

By *Ben Wilson*

Publisher - Editor

Subscribed and sworn to before me this 20th
day of February 2020
Rachel Chase

Notary Public, Greene County, Iowa

Cost of Publication \$ 18.97



PROOF OF PUBLICATION

**State of Iowa
Greene County**

I, Luann Waldo, publisher of The Scranton Journal, a weekly newspaper published in Scranton, Iowa, in county and state aforesaid, state that the notice of which is annexed is a printed copy and was published in said newspaper for 1 consecutive week(s) and appeared on the dates given below:

- 1 Feb. 19 2020
- 2 _____ 2020
- 3 _____ 2020

I, Luann Waldo, do hereby state that I certify under penalty of perjury and pursuant to the laws of the State of Iowa that the preceding is true and correct as I verily believe.

Signed Luann Waldo
Feb. 27 2020

Publishing Fee:
56 Lines @ .627 \$ 35.11
 _____ 2nd Insert @ .423 \$ _____
 _____ Inches @ \$4 \$ _____
 _____ Lines/2 Col. @ 1.379 \$ _____
 _____ Probate @ \$1.254 \$ _____
 _____ Classified @ \$4.75 \$ _____
 _____ @ _____ \$ _____

NOTICE OF PUBLIC MEETINGS ON SUBSEQUENT PART VIII COMPREHENSIVE PLAN CENTRAL IOWA SOLID WASTE MANAGEMENT ASSOCIATION

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All members of the public are invited to attend and may make statements concerning the matter of the Comprehensive Plan. In addition, comments may be submitted in writing at that time, or before and said comments shall be made a part of the public record concerning this Plan. A copy of the Comprehensive Plan and its Subsequent Parts I, II, III, IV, V, VI, and VII may be reviewed at the offices of the Boone County Landfill at 1268 224th Lane, Boone, Iowa.

CENTRAL IOWA SOLID WASTE MANAGEMENT ASSOCIATION
 John Roosa
 Administrator,
 Boone County Landfill
 Published in *The Scranton Journal*
 on February 19, 2020.

MAR 12 2020

Proof Of Publication In
TRI-COUNTY TIMES

STATE OF IOWA, STORY COUNTY, ss.

I, Kim Fowler, on oath depose
and say that I am the General Manager
of the **TRI-COUNTY TIMES**, a weekly newspaper,
published at Ames, Story County, Iowa;
that the annexed printed

BOONE COUNTY LANDFILL
Public Meeting Notice

was published in said newspaper
1 time(s) on February 20, 2020
the last of said publication was on
the 20th day of February, 2020

K Fowler

Kimberly Nelsen



Notary Public
sworn to before me and subscribed in my
presence by Kim Fowler, General Manager
this the 20th day of February, 2020

FEES: \$31.87
AD #: 1319658
ACCT: 35049

#1319658
**NOTICE OF PUBLIC MEETINGS ON
SUBSEQUENT PART VIII
COMPREHENSIVE PLAN
CENTRAL IOWA SOLID WASTE
MANAGEMENT ASSOCIATION**

You are hereby notified that a series of public meetings will be held on The Subsequent Part VIII Update of the Comprehensive Plan for the Central Iowa Solid Waste Management Association. The Central Iowa Solid Waste Management Association planning area includes: Ames/Story County (except Collins, Colo, and Sheldahl); Boone County (except Sheldahl); Greene County (except Jefferson); Bouton, Granger, and Woodward in Dallas County; and Farnhamville, Lohrville, and Somers in Calhoun County.

The following public meetings will be held:

February 26, 2020, at 9:00 AM, Board of Supervisors Chambers, 2nd Floor, Boone County Courthouse, 201 State Street, Boone, Iowa.

February 25, 2020, at 9:30 AM, Room 135 Ames City Hall, 515 Clark Avenue, Ames, Iowa.

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**CENTRAL IOWA SOLID WASTE
MANAGEMENT ASSOCIATION**

John Roosa
Administrator,
Boone County Landfill

Published in the Ames Tribune,
Boone News Republican, Nevada
Journal and Tri-County Times on
February 20, 2020 (1T)

Proof Of Publication In
THE BOONE NEWS REPUBLICAN

STATE OF IOWA, BOONE COUNTY, ss.

I, Kim Fowler, on oath depose and say that I am General Manager of **The Boone News Republican**, a daily newspaper, published at Boone, Boone County, Iowa; that the annexed printed:

BOONE COUNTY LANDFILL
Public Meeting Notice

was published in said newspaper 1 time(s) on February 20, 2020 with the last of said publication on the 20th day of February, 2020



sworn to before me and subscribed in my presence by Kim Fowler, General Manager, this the 20th day of February, 2020

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CENTRAL IOWA SOLID WASTE
MANAGEMENT ASSOCIATION

John Roosa
Administrator,
Boone County Landfill

Published in the Ames Tribune,
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Journal and Tri-County Times on
February 20, 2020 (1T)

MAR 02 2020

Proof Of Publication In
NEVADA JOURNAL

STATE OF IOWA, STORY COUNTY, ss.

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**CENTRAL IOWA SOLID WASTE
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John Roosa
Administrator,
Boone County Landfill

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Journal and Tri-County Times on
February 20, 2020 (1T)

Proof Of Publication In
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CENTRAL IOWA SOLID WASTE
MANAGEMENT ASSOCIATION

John Roosa
Administrator,
Boone County Landfill

Published in the Ames Tribune,
Boone News Republican, Nevada
Journal and Tri-County Times on
February 20, 2020 (1T)

**Central Iowa Waste Management Association
Comprehensive Plan Update VIII**

Public Meeting #2 - February 24, 9:00 am
2nd Floor
Jefferson City Hall
220 N. Chestnut
Jefferson, Iowa

Attending:

- J. Glenn Houter - HLW
- John Roosa - Boone County Landfill
-
-
-
-
-
-
-
-
-
-

Meeting Open: 9:00 am
Meeting Closed: 9:15 am

No comments received
from public appearing
in person or
written form.

**Central Iowa Waste Management Association
Comprehensive Plan Update VIII**

Public Meeting #2 - February 25, 2020, 9:30 am
Room 135
Ames City Hall
515 Clark Avenue
Ames, Iowa

Attending:

WMJSCHMITT - AMES (CITY)

John Boosa - BCL

GLENN HUNTER - HLW

Meeting Open: 9:30 am

Meeting Closed: 9:45 am

No comments received
from public appearing
in person or written
form.

Appendix D:

Copies of Public Information Materials



BOONE COUNTY LANDFILL

A Tradition of Environmental Excellence

Tips for Successful Back Yard Composting

Okay. You've finally made the decision to try back yard composting. So how do you go about composting your yard waste in a way that will ensure usable compost at the end of the process? It's easy - just follow the "plan" below to give yourself the best shot of establishing a trouble-free and productive compost pile:

How do I construct my compost pile/bin? In many cases, the old adage, "Simple is better" is the rule of thumb for back yard composting. Although you can build or buy as fancy a backyard compost bin as you can imagine (or afford!) - a simple wire bin and wood or metal stakes will usually satisfy your composting needs and is the least expensive alternative (see back side of this flyer.) The key is to construct a bin that is suitable for your home-site (i.e., lot size, amount of material to compost, the kind of pests you may have, and how it fits in with the rest of your lot visually.)

Round wire bins provide the most flexible pile possible. Turning your compost is easy. Just take down the bin and set it up next to your pile. Then spade or pitchfork from the old pile into the new location. What could be easier! This style of bin also provides plenty of oxygen and moisture for the composting process.

What can I put in my compost pile? Making compost is like any other type of cooking. Add the right materials in the appropriate amount and you will get the desired result - usable compost. Rather than get too technical - the best way to think of ingredients is whether they are "greens" (rich in nitrogen) or "browns" (rich in carbon.) The most trouble-free compost piles will have 50% "browns", 40% "greens" and 10% soil or previously composted material. A pile with a higher percentage of "browns" will slow down the process. A pile with more "greens" will speed up the process and requires a great deal more effort to manage properly. The back side of this flyer lists possible ingredients by their "green" or "brown" classification.

You should also be careful if you want to add food scraps to your compost pile. Food will attract other creatures - some of which you may not want to invite to your composting party!

What do I need to do to make sure the compost pile does not generate odors? This is where people get into trouble. While a compost pile can require little maintenance, it does require some care and feeding. Odors can occur due to one or both of the following: not enough oxygen and/or too many "green" ingredients (i.e., too much grass and not enough leaves.)

Ingredients should be added to the pile in layers and then mixed together through "turning." Turning is simply the process of mixing the materials like a blender. Regular turning of your compost will provide the oxygen the process needs and help evenly distribute the moisture in the pile. "Regular turning" can be anywhere from once a week to once a month. The frequency depends on how much "green" material your pile has.

When can I use my compost? The composting process can take anywhere from six months to one year depending on the level of effort you put into the process. But be careful! Even though your compost may look finished (rich and black) it may not be ready to use. Compost needs to "cure" for a little bit before it can be used. After all, the "bugs" that make compost don't know the difference between what you feed them and your plants and flowers - so give them a chance to die off before using the compost (about a month should do it.)

You can tell when the process is over because the pile will no longer generate any heat.

What can I use my compost for? Compost has a number of great uses! It makes an excellent soil amendment for gardens and flower beds. Compost holds a great deal of moisture so it is excellent to use around shrubs and landscaping for plants that have a hard time in dry weather. It also makes a good insulator for plants during the colder seasons of the year.

Still have questions? Call the Boone County Landfill at 433-0591. We can answer your questions or help you "trouble shoot" your compost pile!

Possible Back Yard Compost Ingredients:

"Greens"

Grass Clippings Garden Wastes
Weeds Flowers
Vegetable Wastes*
Fruit Wastes*
Compost starter additives (Nitrogen)

"Browns"

Leaves Prunings
Soil Sawdust
Chipped Brush
Ash (cooled & in small quantities)
Compost starter additives (Carbon)

** These wastes are considered food waste and may attract unwanted pests.*

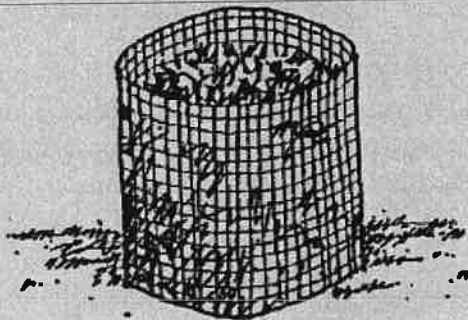
Water: Water is also a primary ingredient in compost piles. You know you have the proper amount of moisture when you squeeze the compost with your hand and it just barely drips.

Ingredients That are Not Recommended:

Red Meat Fish Dairy Products Bones Poultry Eucalyptus Plants
Rose Bushes Tomatoes and Tomato Vines Pumpkins

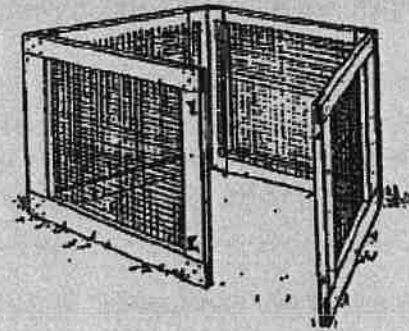
Ideas for Home-Built Compost Bins: The following are some ideas you can use to build your own back yard composting bin. There are also a number of pre-built bins available from home improvement centers and landscaping supply centers.

Basic Wire Bin:



Size: 4' high x 4' diameter.
Requires 11'-12' of chicken wire and
4 - 6 metal or wooden stakes.

The Wood and Wire Box Bin:



Size: 4' high x 4' wide x 4' deep.
Made from 2' x 4's and chicken wire.
Can also be made from garden fence.

RECYCLING OPPORTUNITIES

- Are you recycling as much as you can to reduce the amount of trash you throw away and possibly reduce your garbage bill?
- Have you done a waste audit on your business? Call the Boone County Landfill at 515.433.0591 for info.
- Would any of your waste be useable by someone else? Call the Iowa Waste Exchange at 712.792.9914.

EMPLOYEE AND CUSTOMER EDUCATION

- Do your employee/customer newsletters or other publications remind everyone not to litter?
- Are your employees aware of how to prevent litter?
- Are cigarette butts properly disposed of in any outdoor designated smoking area?
- Are cigarette butts regularly cleaned up?
- Consider posting signs with some type of anti-litter message. example: "Hold it until you find a can" or "Help our Business be Litter Free." Sample posters can be obtained from KBCB at the number below.

*Questions?
More Information?
Call the KBCB program at
515-433-0591*

The mission of Keep Boone County Beautiful is to protect and preserve the beauty and quality of life through partnerships between citizens, business, neighborhoods and government and to continue to foster pride in our county's environment. Our vision is a cleaner, more beautiful county.

Keep Boone County Beautiful is a volunteer-based program that is sponsored by the Boone County Landfill. It is an affiliate of Keep Iowa Beautiful.

*(Acknowledgment: This brochure was adapted from a
Keep Boone County Beautiful publication.)*

ARE YOU RUNNING A "LITTER FREE" BUSINESS?

**HELP OUR
WORKPLACE
BE LITTER FREE**



**PLEASE.....
PITCH IN AND
DISPOSE OF YOUR WASTE
PROPERLY!**

THANK YOU FOR YOUR COOPERATION

**A Litter Reduction Checklist for the
H.E.L.P. Your Business Campaign
Have Employees do Litter Pickup**

BOONE COUNTY LANDFILL

A Division of Environmental Services, Inc. 1979

GRASS BORDERS, FENCE & WALL BASES, AND PLANTED AREAS

- Is litter picked up before mowing?
- Are areas where trapped litter accumulates cleaned on a regular basis?

REFUSE PUT-OUT AREAS

- Is the container capacity adequate for trash generated?
- Is the area around the container or dumpster or adjacent property kept free of litter that might have blown there?
- Are end-of-day clean ups conducted in this area?
- Do you "break down" cartons before disposing of them?
- Are excess materials properly secured and tied?

LOADING AND UNLOADING PLATFORMS

- Are litter receptacles light enough to be moved as needed and emptied as necessary?
- Are litter receptacles covered to prevent spillage?
- Are end-of-day clean ups conducted?

LITTER RECEPTACLES

- Is the design of litter receptacles the best for working operations?
- Are there enough receptacles for each working area?
- Are receptacles available at sites which are likely to be littered on a temporary basis?
- Are the receptacles emptied when needed?
- Are the receptacles located where it is most convenient to use them?
- Have employees been encouraged to use the receptacles, and to clean up litter as soon as it has been generated?
- Have employee suggestions been used to determine the placement and structure of the receptacles?

COMPANY VEHICLES

- Are company trucks carrying loose materials covered to prevent spillage? (Required by law)
- Are company cars and trucks equipped with litter bags?

ARE YOU RUNNING A LITTER FREE BUSINESS?

Maybe not, however, the Keep Boone County Beautiful Program is promoting the "HELP Your Business Campaign" to encourage all businesses to Have Employees do Litter Pickup each day. By examining your operation to identify sources of litter and how it is handled you can help us insure that Boone County is a cleaner, safer place to live and work.

This **LITTER REDUCTION LIST** is a start for such an examination. Research has shown that a sizeable percentage of litter comes from business and commercial sources. This checklist is a simple tool to help you analyze possible litter sources and then take effective inexpensive steps to reduce them.

LITTER REDUCTION CHECKLIST

PARKING LOTS, SIDEWALKS & DRIVEWAYS

- Are litter receptacles placed where needed?
- Are receptacles located at entrances and exits to buildings and grounds?
- Are parking lots, sidewalks, and curb gutters driveways/drivethrus swept regularly?
- Do you feel the outside appearance of your establishment lets your customers know the quality of service/merchandise your business offers?

PUBLIC AREAS - INSIDE AND OUT

- Are public litter receptacles and ash trays convenient for customer use?
- Are public litter receptacles and ash trays emptied when needed?
- Are all receptacles covered to prevent litter from blowing out?
- Are litter receptacles heavy enough so the wind won't blow them over?
- Are public areas, including alley's cleaned regularly of any litter present?
- Is the landscaping cleared regularly of any litter present?
- Are utility poles and the right-of-way adjacent to your property kept clean of illegally posted signs?

**Disposal of Sharps
at the
Boone County Landfill
Satellite Collection Facility**

The following specific procedures apply during the collection of Sharps at the Boone County Landfill Satellite Facility:

1. Only residents may deliver sharps to the satellite facility.

Sharps acceptance schedule:

Monday - Friday: 8:00 a.m. to 3:00 p.m.
(No appointment necessary).

Saturday morning deliveries require a prior appointment.

Please call 515.433.0591 for more information or to make an appointment.

2. All sharps must be delivered contained within a rigid and closed container (either a sharps container or hard plastic detergent bottle with lid screwed on.)

3. Sharps delivered by residents will be placed in the sharps collection boxes in the **original RIGID containers** that residents bring them in (either sharps containers or hard plastic detergent bottles with the lid screwed on.) **Due to safety concerns, sharps will NOT be transferred from the resident's containers into the sharps collection box.**

4. Customers shall unload their vehicles and place the rigid container in the satellite facility's sharps disposal bag. Under no circumstances will Landfill personnel handle a sharps container delivered by a customer.

5. A third party may deliver sharps on behalf of a resident if they provide both their name and address and the name and address of the resident generating the waste.

6. Businesses may not utilize the satellite collection site for sharps waste their business generates.

7. **Fee Schedule:** Currently there is **no charge** for this service. However, the Landfill reserves the right to establish a fee schedule at any time.

SAFE SHARPS DISPOSAL GUIDE

*A Guide for the safe disposal of
needles, syringes, and lancets generated in the home*



1268 - 224th Lane, Boone, IA 50036 • (515) 433-0591
www.boonecounty.iowa.gov/landfill • Email: info@boonelandfill.org

SAFE SHARPS DISPOSAL

What are "Sharps"?

Sharps are needles, syringes, with attached needles, and disposable lancets used by medical patients to treat conditions such as diabetes, allergies, cancer, etc. Farmers also use needles or syringes to inject livestock.

Why are sharps a danger?

Improperly discarded sharps can injure garbage collectors, recycling workers and landfill employees and customers. Accidental needle sticks from carelessly discarded sharps can transmit deadly diseases, such as Hepatitis B, HIV (the virus that may lead to AIDS), and tetanus.

Never put a sharps container in the garbage or recycling bin. Dispose of a sharps container only through a qualified medical or hazardous waste management facility. Any other disposal option may cause an injury to a family member, collection worker, landfill personnel or customers or even a pet. Although sharps containers are of a rigid design, they cannot hold up to the compaction forces of a modern garbage truck or landfill compaction equipment.

A waste handler's greatest fear is being stuck by a needle in the garbage or recycling bin.

Proper Sharps Disposal:

Use a specifically designed sharps disposal container. These containers may be purchased at most pharmacies for just a few dollars and are designed to protect yourself and anyone else who might come into contact with the container. Your doctor or veterinarian may also provide them. The advantages of using a sharps container are that they are leakproof, rigid and puncture resistant. A variety of sizes are available which can hold from 30 to 300 used sharps.

How do I dispose of Sharps?

You may dispose of sharps at the Boone County Landfill's satellite household hazardous waste collection facility. The facility will accept sharps containers (see other side for acceptance criteria) during the landfill's normal operating hours. Please call 515.433.0591 for more information.

**See Other Side for
Acceptance Procedures
for Disposal of Sharps
Established by the
Boone County Landfill**

Credits: The Boone County Landfill gratefully acknowledges the cooperation of the Linn County/Cedar Rapids Solid Waste Agency for permitting the Landfill to utilize the information contained in their safe sharps disposal brochure.

Other Disposal Options for Sharps:

Did you know that there are mail disposal services to help you properly dispose of items such as needles, syringes, other sharp objects and soiled bandages?

How do these systems work? You simply make arrangements with a private company that provides this type of service. You prepay them for an approved medical waste disposal container which they then send to your home or office. You then follow the enclosed instructions, fill the container, enclose payment for your next container (if needed) and mail the container to a specified treatment facility. The container and its contents are then properly treated and disposed of and a certificate of destruction is mailed to you along with your new disposal container.

You can contact the following companies for more information:

SteriCycle

National Hotline: 1-800-234-7869

GRP & Associates, Inc.

**Clear Lake, Iowa
1-800-209-0976**

QUESTIONS? Please do not hesitate to contact the Boone County Landfill at 515.433.0591 if you should have any questions.

FINANCIAL AND BUSINESS ASSISTANCE

IWE Representatives will identify additional financial and technical assistance programs to enhance your business success. Several state-wide programs exist to help companies save money, enhance operations and comply with environmental regulations. These include:

- Solid Waste Alternatives Program (SWAP)
- Pollution Prevention (P2) Assessments
- Pollution Prevention (P2) Intern Program
- Iowa Waste Reduction Center (IWRC) at the University of Northern Iowa
- Iowa Economic Development Authority (IEDA)

IOWA DEPARTMENT OF NATURAL RESOURCES IOWA WASTE EXCHANGE



FOR MORE INFORMATION ON IWE VISIT:
www.iowadnr.gov/IWE

 Iowa Department of Natural Resources
502 E. 9th St., Des Moines, IA 50319-0034

Federal regulations prohibit discrimination on the basis of race, color, national origin, sex or handicap. State law prohibits discrimination on the basis of race, color, creed, sex, sexual orientation, gender identity, religion, national origin, or disability if you believe you have been discriminated against in any program, service, or facility, or if you believe you have been discriminated against on the basis of race, color, creed, sex, sexual orientation, gender identity, religion, national origin, or disability, please contact the Iowa Department of Natural Resources at 502 E. 9th St., Des Moines, IA 50319-0034.

ENVIRONMENTAL SUCCESS. FINANCIAL RESULTS.
One of the nation's leading materials exchange programs.
Free, non-regulatory and confidential.

IOWA DEPARTMENT OF NATURAL RESOURCES | WWW.IOWADNR.GOV

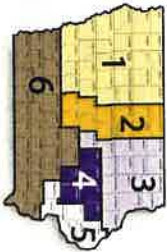


IOWA WASTE EXCHANGE

THE IOWA WASTE EXCHANGE (IWE) is one of the nation's premier materials exchange programs. It is a free, non-regulatory and confidential service, with waste management professionals ready to provide individualized and expert waste management and business assistance resulting in both economic and environmental benefits. Since 1990 the IWE has matched more than 3.2 million tons of by-products and materials with groups interested in using or recycling those materials. Our team of representatives has over 90 years of combined experience in the waste management field. The IWE helps business and industry, schools, hospitals and communities save disposal costs and protect the environment by reducing, reusing and recycling materials that would otherwise end up in the landfill.

FREE CONSULTATION

The IWE program is provided at no cost by the Iowa Department of Natural Resources. Contact the IWE Representative serving your area for assistance in assessing waste streams, identifying reuse and recycling opportunities, and expanding recycling efforts. The IWE can also assist in finding reusable materials for production processes and shipping needs. Our program works with all types of by-products and materials, including hazardous materials, whether the quantities generated are large or small. By diverting materials from the landfill, the IWE has saved almost \$83 million in disposal and related costs.



NON-REGULATORY PROGRAM

The IWE is a confidential program, and does not conduct regulatory inspections or levy fines. When an IWE Representative is invited into a facility, our primary job is to provide waste management assistance by assessing waste streams and identifying reuse and recycling opportunities.



TESTIMONIAL

"Due to changing economic conditions and new environmental stewardship opportunities, the Iowa Waste Exchange is more important now than ever. Iowa businesses are fortunate to have this resource providing economical assistance and options that they may otherwise never be aware of."

WILLIAM L. SCHLEED
DIRECTOR, LANDFILL OF NORTH IOWA

CONFIDENTIAL ASSISTANCE

The IWE respects a client's privacy. All information that IWE Representatives gather remains confidential, as mandated by Iowa Code. Information about available and wanted materials is published as a confidential numerical entry in our database. Information associated with the IWE program will not be shared without permission.

DATABASE

The IWE maintains a database of available and wanted materials that is free to access. With over 13,000 materials listed in the IWE database, we may have what you are looking for. To search for a material you could use or to find a market for a material you generate, on the internet go to -

<http://programs.iowadnr.gov/iwewebsearch/materials.aspx>



IWE SUCCESS STORY

BREZZERS FIND A NEW HOME

A unique aspect of these matches was that so many people worked together on their distribution. This was a fun project, and certainly a great reuse project that touched many people."



JEFF SCHLEE
REPRESENTATIVE, AREA 3

LATEX PAINT DISPOSAL



Latex paint and other latex products are NOT household hazardous materials. You can dispose of them in your regular trash after drying them properly.

INSTRUCTIONS

- 1. Open can with leftover paint in a well-ventilated area.**
- 2. Place kitty litter in paint**
- 3. Stir occasionally with paint stick.**
- 4. Sit back and watch (optional), or attend to another task while the paint dries.**

BOONE COUNTY LANDFILL

A Tradition of Environmental Excellence Since 1970

Questions? Call 515.433.0591.

Waste Paint

What are oil-based or alkyd paints, stains and varnishes?

These products contain hazardous solvents that are used to keep the paint in a liquid state. They may also contain toxic metals such as lead, mercury and cadmium. The containers usually say they are "combustible", and should be cleaned up with mineral spirits or paint thinner. Oil-based paint products are classified as hazardous because they are ignitable and contain harmful, toxic chemicals.

What can I do with unwanted oil-based paints, stains and varnishes?

If oil-based products cannot be used or given away, bring them to Metro Waste Authority's Regional Collection Center (1-888-603-2739) or to a Household Hazardous Waste clean up event for proper disposal.

Alternatives:

Try Latex Instead: Latex paint, stains, and varnishes provide a safer alternative to oil-based products.

Waste Reduction Tip: Store paint properly. Keep in a dry area and place lid on tightly to keep air out. Properly handled, oil-based paint has a shelf life of almost 15 years!



New Beginning 2014: Dual Stream Recycling Greene County Residential

HELPFUL HINTS FOR RECYCLING

Have recycling bin curbside by 6 a.m. to ensure pickup.

Recycling is every other week on your garbage day.

Help the City receive money! If you place your recycling

curbside the City receives a monetary credit based on tonnage. If you take your recycling to the drop box at Genesis Development the monetary credit is greatly reduced.

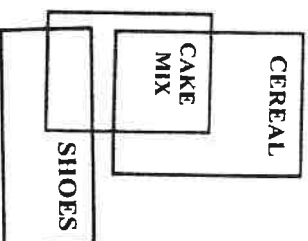
Metal & Aluminum Cans, Clear Jars & Bottles, All Plastic With Recycling Symbol

1. Rinse--no need to remove labels
2. Dispose of caps & lids-the lids are not recyclable
3. Wire and plastic coat hangers are accepted, too
4. No auto oil or antifreeze containers



Paper and Cardboard

1. Junk mail, magazines, catalogs
2. Clean typing paper & computer printout
3. Tubes from toilet paper, paper towels, etc.
4. Boxboard boxes such as cereal, tissue & shoe boxes (remove plastic liners) - flatten
5. Greeting cards & wrapping paper
6. Egg cartons—cardboard only
7. Telephone books
8. Paper Sacks
9. Newspapers
10. Corrugated cardboard-flattened



The following items are NOT recyclable curbside due to markets being unavailable:

plastic sacks from retail businesses, aerosol cans, styrofoam items, packing "peanuts", bubble wrap, pop & beer boxes, pizza boxes, waxed quart & 1/2 gallon milk cartons.

Please place these items in with your regular garbage.

Plastic Bags

You can dispose of plastic handled bags at our local Fareway Store. For your convenience there is a container in the entryway for you to drop off these bags.

Remember, each item properly recycled is an item that doesn't waste space in your garbage can or space in the landfill.
Thank you for helping Greene County reduce, reuse and recycle.

the green pages

10th edition

recycling & disposal guide

The primary service area of the Boone County Landfill is Boone County (all except Sheldahl), Greene County (all except the City of Jefferson), Dallas County (just the cities of Bouton, Granger, Woodward), Calhoun County (just the cities of Farnhamville, Lohrville and Somers).

The secondary service area of the Boone County Landfill is: City of Ames and Story County (restrictions & limitations apply)



BOONE COUNTY LANDFILL

A Tradition of Environmental Excellence Since 1970

visit us online at www.boonecounty.iowa.gov/government/landfill-recycling-center

email us at info@boonelandfill.org or call 515-433-0591



History: The Boone County Landfill (BCL), located in the heart of Iowa, is proudly owned and operated by Boone County. The BCL not only provides sound disposal options, it is also charged with coordinating the solid waste management plan for Boone County (with the exception of Sheldahl) and Greene County (with the exception of Jefferson) as well as certain communities in Calhoun and Dallas Counties.

The BCL opened in May of 1970 as one of the very first sanitary landfills in Iowa. For the first 20 years a private contractor was hired by Boone County to operate the BCL. In 1990, daily operation of the BCL was assumed by Boone County.

Considered a leading environmental protection facility for the final disposal and management of solid waste, the BCL serves a population of 117,000 in a service area that includes Boone, Greene and Story Counties

(note: the Ames Resource Recovery Plant serves as the primary disposal facility for Ames and Story County.) The award-winning BCL has been acknowledged as one of the best operated landfills in the state of Iowa.

Since its opening many years ago, the BCL has seen many changes. New solid waste management planning guidelines, additional and more stringent federal and state regulations, and an emphasis on diverting waste have all helped to ensure that the BCL is a sound environmental resource for the population it serves - now and in the future.

Covered Load Policy: Please note that to prevent any type of waste from blowing onto area roadways and into ditches, Boone County has adopted a policy that all loads (including yard waste, garbage, demolition, appliances, etc.) delivered to the Landfill must be covered with a secured tarp (even if waste is in bags or

containers.) Trucks and trailers must also have a tailgate. The only exception to this policy is that brush can be securely tied instead of be tarp. Failure to comply with this covered load policy will result in a \$10.00 fine being assessed (No exceptions.) Please call the Boone County Landfill at 515.433.0591 if you have any questions.

Landfill Operating Hours:

Monday - Friday: 8:00 a.m. to 3:00 p.m. and Saturday: 8:00 a.m. to 11:00 a.m. The Landfill is closed on the following observed holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day and Christmas Day.

A brochure detailing the services offered by the Landfill is available free-of-charge. To have a copy mailed to you please call the Landfill at 515-433-0591 or via email at info@boonelandfill.org.

WASTE ACCEPTED AND LANDFILLED:

- Residential Garbage
- Commercial/Workplace Garbage
- Construction & Demolition Waste (i.e., wood, shingles, rubble, etc.)
- Asbestos (by appointment)

WASTE MATERIALS NOT ACCEPTED AT THE BOONE COUNTY LANDFILL:

- Asphalt from paving
 - Dead animals
 - Hazardous* and/or infectious waste
 - Liquids of any type
 - Petroleum contaminated soils
- *Except in specified programs.

BOONE COUNTY LANDFILL

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Help Make Recycling Work!

The Environment. We all want to do our part to protect it and make the world a better place to live. The Iowa Waste Reduction and Recycling Act of 1989 requires cities and counties to significantly reduce the amount of garbage they landfill.

We all need to pay closer attention to our lifestyles to make sure that we are living in as environmentally friendly a fashion as possible. Here are some suggestions:

Reduce! Be careful when purchasing items that you pay attention to the amount of packaging. Also, consider whether or not the product or its packaging is recyclable in your community.

Reuse! It sounds simple, but many of us overlook the obvious. Why throw something away when you can use it again and again. The kitchen is a treasure trove of reusable items such as aluminum foil, glass jars, and plastic containers.

Recycle! Don't be part of the problem! Be part of the solution! If you are not already recycling, think about starting. Recycling is easy. Many items such as newspaper, glass, metal cans, and

plastics are being collected from homes and workplaces just like yours.

How Well is Recycling Working in Our Area?

Recycling has really taken hold in our area. In fact, the Central Iowa Waste Management Association planning area is one of only three of the 47 planning areas in the State of Iowa that have exceeded the State goal of 50% waste diversion from landfills. Currently, the planning area diverts over 59%.

•Curbside Recycling: Residents in many of our communities have access to curbside recycling programs for all of their single-family homes.

•Drop-Off Recycling: In addition to drop-off recycling containers located in some of our communities, a permanent drop-off recycling site is located in the town of Boone.

•Workplace Recycling: Businesses and workplaces in our area have recognized that they can improve their "bottom line" by pro-actively managing their waste through waste reduction and recycling activities.

By Working Together We Can Make Recycling Work!

How To Prepare Materials For Recycling

As recycling becomes more and more popular, it is important to continue to get the word out about how to properly prepare materials for collection programs. This section will help you to help your local recycler handle those recyclable materials that you have bought, used and then want to dispose of as part of your daily environmental routine.

Recycling is a rapidly changing field and has become an increasingly important method of waste disposal. Materials that are difficult or impossible to recycle today may be commonly collected in the next couple of years through curbside, drop-off and commercial recycling programs. Keep in mind that due to the rather sudden popularity of recycling, nearly every current recycling program is working at capacity and may not be able to add new materials as quickly as they and you might like. At the same time, one

or two programs may begin accepting a new material before other programs are able to gear up their operations for that new material. Be patient, recycling opportunities will expand to fit your needs. Better yet, choose a more recyclable product when you do your shopping or use multiple programs for different materials.

Most recycling programs are independently operated, so there are bound to be differences between the various drop-off centers, curbside collection programs and buy-back centers. Differences in materials accepted, hours and days of operation and even the manner in which the recycler prefers the materials to be prepared should be expected. Get to know your local recycling services and/or curbside recycling program and watch for changes in your local newspaper.



General Rules About Materials Preparation

The following material preparation guidelines apply to materials handled by the Boone County Recycling Transfer station either through their drop-off or curbside recycling programs that utilize their facility.

Applicable curbside programs include cities of:

Boone in Boone County; Bouton, Granger and Woodward in Dallas County; Farnhamville, Lohrville and Somers in Calhoun County.

1. Keep Your Materials Clean.

You don't need to sterilize, but all food should be rinsed off. Your recycler will appreciate it!

2. No Need to Separate Your Materials.

Single stream or fully commingled recycling refers to a system where recyclable items are mixed together instead of being sorted into separate commodities.

Do not place recyclables in plastic bags or garbage bags. They contaminate the system. Some stores have a drop off for plastic bags. Please check your local stores.

3. Recycle.

If you can't recycle it, avoid buying it in the first place.

These rules apply to all materials, but the most important rule is Keep it Neat! You and your family will feel better about recycling and you'll make it easier for everyone involved in the process of recycling.

4. Make the Note

BCRS does not operate a redemption center. We do not handle your "nickel back" from cans and bottles. Contact the business you purchased them from for your options.



Residential Recycling

There are a number of recycling opportunities available to residents. These include:

CURBSIDE:

Boone County: Solid waste haulers in Boone County offer recycling collection programs. The programs offered are based on whether or not your residence is located within or near a city. You will need to check with your hauler to determine the availability of programs and what materials are accepted.

Greene County: The Greene County Recycling Agency provides curbside recyclables collection throughout Greene County, except for the City of Scranton. Residents can obtain a free pamphlet by calling their City Hall.

The following cities also have curbside recycling programs available. Contact either the City Hall or your solid waste hauler for more

information: Scranton, Bouton, Granger, Woodward, Farnhamville, Lohrville and Somers.

City of Ames/Story County: In addition to the Ames Resource Recovery Plant which processes solid waste into a fuel source for the City's electric power plant, solid waste haulers in Story County offer recycling collection programs. The programs offered vary based on the hauler and your location. You will need to check with your hauler to determine the availability of programs and what materials are accepted. In addition, the Ames Resource Recovery Plant can provide you with information. They can be reached at 515-239-5137.

DROP-OFF:

Boone County: A primary drop-off recycling location in Boone County is located in the town

of Boone. This 24/7 facility accepts: Metal Cans, Glass Bottles and Jars, Plastics Containers (with twist tops, yogurt and margarine containers only), Newspaper (including advertisements), Mixed Paper, Junk Mail, Phone Books, Brown Paper Bags, Office Paper, Tissue Boxes, Cereal Boxes, Stationary, Magazines, Shredded Paper (in paper bags or boxes), Corrugated Cardboard (except pizza boxes), Cardboard (includes any non corrugated cardboard-like material such as tissue or cereal boxes.)

Ogden: 2 drop-off recycling boxes are also located in the City of Ogden at City Hall. It accepts newspapers, plastics and cardboard.

Greene County: The Greene County Recycling Agency provides drop-off recycling containers throughout Greene County. A free pamphlet describing their program is available to residents by calling their nearest City Hall.



Workplace Recycling

Workplace recycling is gaining in popularity as a means for businesses and workplaces to pro-actively manage the waste they generate.

Listed here are many of the programs available:

Corrugated Cardboard: Yes, your workplace can recycle its corrugated cardboard. The following programs are available:

Large scale: Area solid waste haulers/recyclers provide collection service for large generators of corrugated cardboard. Contact your hauler for more information.

Small scale: Boone County Recycling Services provide businesses with an opportunity to recycle the corrugated cardboard they generate. In Greene County, Genesis Development operates a cardboard recycling program. Contact Genesis at 515-386-3017.

Office Paper: Your workplace can also recycle its office paper.

Boone County Recycling Services operates a workplace collection program in Boone County. In addition, Boone County Recycling will accept office paper at its drop-off facility.

Contact Boone County Recycling at 515-433-0591 or 515-230-7819.

Genesis Development operates an office paper collection program in Greene County. Contact Genesis at 515-386-3017.

Employee Education Materials: The Boone County Landfill can provide your workplace with workplace recycling posters to assist you in educating your employees about your workplace recycling program. These posters are FREE and can be tailored to meet the specific needs of your workplace. Contact the Landfill at 515-433-0591 for more information.

Outstanding Business/Workplace Waste Reduction & Recycling Awards: Each fall (in conjunction with America Recycles day) the Boone Area Chamber of Commerce, Boone County Conservation and the Boone County Landfill sponsor the Boone County Outstanding

Business/Workplace Waste Reduction & Recycling Awards. This award is presented to businesses/workplaces that have implemented programs to pro-actively manage their waste.

Iowa Waste Exchange: The Iowa Waste Exchange is a state funded program that assists workplaces in pro-actively managing their waste.

What you may consider a waste may be the raw material needed by another business! The services offered by the Iowa Waste Exchange are free. Contact Shelly Codner at 515-965-7194 or 319-404-1942 for more information.

Story County Commercial Recycling Information: For information on commercial recycling programs in City of Ames and Story County please contact the Ames Resource Recovery Plant at 515-239-5137.

Motor Oil

Used motor oil can be recycled into new motor oil and other lubricants. If you plan on recycling your used motor oil please do not mix anything with it (no gasoline, brake fluid, or other solvents, etc.) Only motor oil that has not been contaminated has any chance of being recycled into a new product.

Where can you take your used motor oil to be recycled? While it is impossible to provide you with a list of locations that will remain accurate for the life of this directory, we can provide you with some suggestions. In all cases you should CALL a location first to determine if they 1) accept used oil, 2) if they have a limit on the quantity of used oil they will accept, and 3) if they charge anything for the service.

Although not guaranteed, the following are your "best bets" for

taking your used motor oil off your hands.

- Auto parts stores
- National and local "quick-oil change" outlets
- Local service stations that provide automotive repair services
- The Regional Collection Center in Bondurant.

If the above suggestions fail, please do not hesitate to contact the Boone County Landfill at 515-433-0591 for further assistance.

What happens to properly disposed used motor oil? Used motor oil can be re-refined into new motor oil or used as a raw material in products such as asphalt.



Tires

State law prohibits the landfill disposal of used tires. However, convenient disposal opportunities exist to help you properly dispose of your used tires including:

Tire Dealers: When you purchase new tires, have your dealer dispose of your old tires. In most cases they will charge you a fee equal to or less than what you will be charged at the BCL and you will not have to hassle with the old tires! Used tires, when not properly disposed of, raise concerns such as becoming mosquito breeding grounds and fire safety.

Boone County Landfill: During normal operating hours throughout the year, the BCL accepts used tires at a designated storage area on the landfill property. A per tire fee is charged based on the size of the tire and whether or not it is still mounted on a rim. Tires are only accepted from residents within the Landfill's

primary service area.

The Boone County Landfill has a brochure available to help you better maintain your tires and help your tires, "Go Twice as Far."

City of Ames/Story County: The Ames Resource Recovery Plant can provide you with information about used tire disposal. They can be reached at 515-239-5137.

What happens to properly discarded used tires? Discarded tires, when properly disposed, are recycled into a number of different products including new rubber products, playground surfacing, running tracks and tire-derived-fuel for power plants.

For more information please contact the Landfill at 515-433-0591.



Batteries

Lead-Acid:

This type of battery is banned from landfill disposal in Iowa. However, there are a number of convenient disposal opportunities available including:

Retailers/Dealers:

Let your new battery retailer or repair shop handle your old battery. In many cases this may reduce your overall bill!

Boone County Landfill:

The BCL accepts, free-of-charge, used vehicle batteries generated within its primary service area. Vehicle batteries may be brought to the landfill throughout the year during normal operating hours.

Rechargeable:

Many rechargeable batteries contain heavy metals that are hazardous to the environment. There are couple of disposal alternatives available:

Retailer Return sites:



The Rechargeable Battery Recycling Corporation sponsors a program through which retailers can accept used rechargeable batteries. The retailers then send the batteries to a recycling facility located in Pennsylvania. For more information on this program and to identify the nearest participating retailer, call 1-800-822-8837.

City of Ames/Story County:

The Ames Resource Recovery Plant can provide you with information about battery disposal by calling 515-239-5137.

Regional Collection Center (Bondurant, Iowa):

The RCC in Bondurant accepts used rechargeable batteries. For more information, please call the RCC at 1-888-603-2739.

Boone County Landfill Hazardous Waste Satellite Collection Center:

The Satellite Collection Center at the Boone County Landfill accepts rechargeable batteries including lithium batteries. (Do NOT throw lithium batteries in the garbage. They are a huge fire hazard.)

Scrap Metal

Scrap metal has several outlets including:

Salvage yards:

Take your scrap metal directly to a scrap metal recycler/salvage yard. The cost of this alternative will probably be less than bringing scrap metal to the BCL. For a list of salvage yards in Boone County please call Boone County Health and Sanitation at 515-433-0550. For a list of salvage yards in Greene County please call the Greene County Environment Department at 515-386-5669. For Story County, call the Ames Resource Recovery Plant at 515-239-5137.

Boone County Landfill:

The BCL accepts scrap metal items (i.e., metal siding, furniture, fencing, etc.) generated within its primary service area. If the scrap metal is recyclable, customers will be asked to place the scrap metal items in a designated storage area on the landfill property. The landfill's normal tipping fees and covered load policy apply.



Yard Waste

Yard waste, which is defined as: grass clippings, leaves, weeds, brush, branches, limbs, Christmas trees, as well as any plant or vegetable waste that was not considered to be food waste; was banned from being disposed in landfills in 1991. Many communities provide a location for residents to bring their yard waste.

Boone County Landfill's Yard Waste Processing Facility:

In addition to community based programs, the Boone County Landfill operates a Yard Waste Processing Facility for yard waste generated through routine yard maintenance. This facility is open to anyone located within the Landfill's primary service area. Please note that due to the facilities limited area, it does not accept land clearing waste. The facility does not accept: landscape timbers, construction/demolition waste, wire, bricks, stone/rock, lattice, lumber, uncut trees, stumps, animal bedding, baled hay/straw, plastic, paper, litter or other types of garbage.

The Yard Waste Processing Facility of the BCL is generally open from March 1st through November 30th each year. Hours of operation are:

8:00 a.m. to 3:00 p.m. Monday - Friday
8:00 a.m. to 11:00 a.m. on Saturdays

During closed months, give us a call for facility availability.

"Free Yard-Waste Days" are offered in the spring and fall of each year. During these events, customers from the Landfill's primary service area can deliver yard waste to the BCL at no charge. Watch for advertisements in your local paper or call the BCL for more information at 515-433-0591

City of Ames/Story County:

For more information about yard waste composting facilities in Story County, contact the Ames Resource Recovery Plant at 515-239-5137.

Yard Waste Disposal Alternative: Yard waste need not ever leave your yard! Some alternatives include mulching grass clippings, chipping brush and leaves or better yet -- composting yard waste in your own back-yard.

By home-composting you can eliminate the cost of disposal and create a useful soil-like product for use in your garden, flower bed and/or landscaping. Compost can even help with soil erosion and help protect plants through hot/dry and cold/dry conditions!

BCL staff can help you if you have questions about home-composting. A "Composting for Success" pamphlet is available free-of-charge. Just call 515-433-0591.

Christmas Tree Recycling

Each year the Boone County Conservation Board, Boone county municipalities, and the Boone County Landfill work together to provide the TreeCycle program for the recycling of Christmas trees. The program runs for two-three weeks each January. Actual dates and drop-off locations are announced in area newspapers.

The TreeCycle program accepts only clean Christmas Trees. All ornaments, lights, tinsel, bags and tree stands must

be removed.) All Christmas trees collected through the TreeCycle program will be recycled (chipped/mulched) and utilized in county and city parks located in Boone County.

If residents have questions about the TreeCycle program they are encouraged to call the Boone County Landfill at 515-433-0591 between 8:00 a.m. to 4:00 p.m. Monday through Friday between 8:00 a.m. and 11:00 a.m. on Saturday.

Appliances

State law prohibits the landfill disposal of discarded appliances due to the fact that they may contain hazardous material such as Freon, PCBs and/or mercury.

What is considered an appliance? For the purpose of proper disposal, "appliances" are devices such as: refrigerators, freezers, kitchen ranges, air conditioning units, dehumidifiers, gas water heaters, furnaces, clothes washers, clothes dryers, dishwashers, garbage disposals, trash compactors, microwave ovens, commercial coolers, etc.

What do I do to properly dispose of my appliances?

Dealers: When you purchase a new appliance, check to see if your dealer will take your old appliance. This may save you money as well as the effort of bringing your old appliance to the BCL!

Solid Waste Haulers: You can contact your solid waste hauler. Many haulers provide a pick-up service for bulky items such as appliances. They will charge you a fee that covers the additional collection and disposal cost.

Landfill: The BCL accepts used appliances

(i.e., refrigerators, stoves, air conditioners, dehumidifiers, microwaves, etc.) and ensures that they are properly recycled. The BCL charges for each appliance delivered to the landfill. Appliances delivered to the Landfill must comply with the Covered Load Policy and originate from within the Landfill's primary service area.

City of Ames/Story County: The Ames Resource Recovery Plant can provide you with information about used appliance disposal. They can be reached at 515-239-5137.

Salvage Yards: Check area salvage yards. Wisecup Salvage: 515-231-2650 or 515-275-4306; Pickett Salvage: 515-846-6444; AB Salvage: 515-432-9995

What happens to properly discarded appliances? Discarded appliances, when properly disposed, are demanufactured by trained professionals. They properly and safely remove refrigerants, PCB capacitors and

mercury. These hazardous materials are then disposed/recycled in accordance with Federal regulations. The steel carcass is then recycled.



Electronics Recycling

There are many reasons to recycle old electronics, including legal reasons, financial reasons, practicalities and concern for the environment. As awareness grows regarding the hazardous nature of electronics, regulations for proper management have been put in place as a way of protecting public health and the environment. Businesses must comply with the Resource Conservation and Recovery Act (RCRA). Under RCRA, the toxicity characteristic leaching procedure (TCLP) for lead is set at a maximum of 5 mg/L. Anything higher is deemed as hazardous waste and must be

recycled properly and documented. Keep in mind that the average color monitor contains about 18.5 mg/L of lead. Those who violate this act face heavy penalties.

For the convenience of our local businesses, for a fee, the Boone County Recycling Services Transfer Station now has a drop off area for electronics.

This drop off will also be available for residents who want to do the right thing and recycle their appliances. In the near future electronics such as televisions and computer monitors will be banned from the landfill.

E-Waste Facts

- Over 100 million computers, monitors and televisions become obsolete each year in the U.S.
- About 300 million other consumer electronics such as cell phones and DVD players become obsolete each year in the U.S.
- E-Waste accounts for 40 percent of the lead and 75 percent of the heavy metals found in landfills.
- Consumers have, on average, two or three obsolete computers in their garages, closets or storage spaces.
- Computers contain valuable metals including gold, silver, palladium, platinum, aluminum and copper.



Closing the Recycling Loop

The Importance of Buying "Recycled-Content" Products

Buying recycled-content products promotes recycling. If recycled-content products aren't bought, markets for recyclable materials dry up. And without markets, recycling declines. That's why we often refer to buying recycled-content products as "closing the recycling loop." The issue of "buying recycled" is especially important for local governments and organizations that have established successful recycling programs.

Not all recycled-content products, however,

are the same. Some have higher levels of recycled material than others. Look on the product label to see if it describes what percentage comes from recycled material. The higher the percentage, the better for promoting recycling markets. But it is also important to consider the source of the recycled material as well. Some products are made from post-consumer discards while others are made from scraps that are recycled in the plant. Both types of recycling are important, but post-consumer content helps create markets

for the materials your organization collects for recycling. Where possible, choose products with both the highest overall recycled content and the most postconsumer content.

It takes fewer resources to make paper from recycled material: 1 ton of recycled newsprint saves 17 trees, 1 ton of recycled office paper saves 117 trees, and 1 ton of recycled cardboard saves 165 trees.

Boone County Landfill Commercial Shingle Recycling

Business, Condos, Apartments & Four Plex: Shingles from commercial buildings (anything over a four-plex) are required to have asbestos testing prior to recycling.

Test a core sample: Iowa Environmental Services can test a core sample from the roof for \$25. Call 515-279-8042 and ask for Jeff or Rich. (You can use someone different if you prefer.)

Send results: Once results are received, fax or email them to: Boone County Landfill, Fax: 515-433-0545 or Email: info@boonelandfill.org.

Review Guidelines: Review the recycling guidelines with your staff to understand what qualifies for the program. As you demolish the roof, put a tarp down to sort metal, wood and

trash. Place these over the shingles, tarp the load and transport to the landfill.

Fill out certification form ahead of time: To assist your drivers, fill out the certification form ahead of time. You only need to provide company name, address, phone and contact name, along with residential address of project.

For more information call 515-433-0591.

Shingle Recycling Guidelines

Clean & Accepted

Clean asphalt shingles CAN INCLUDE:

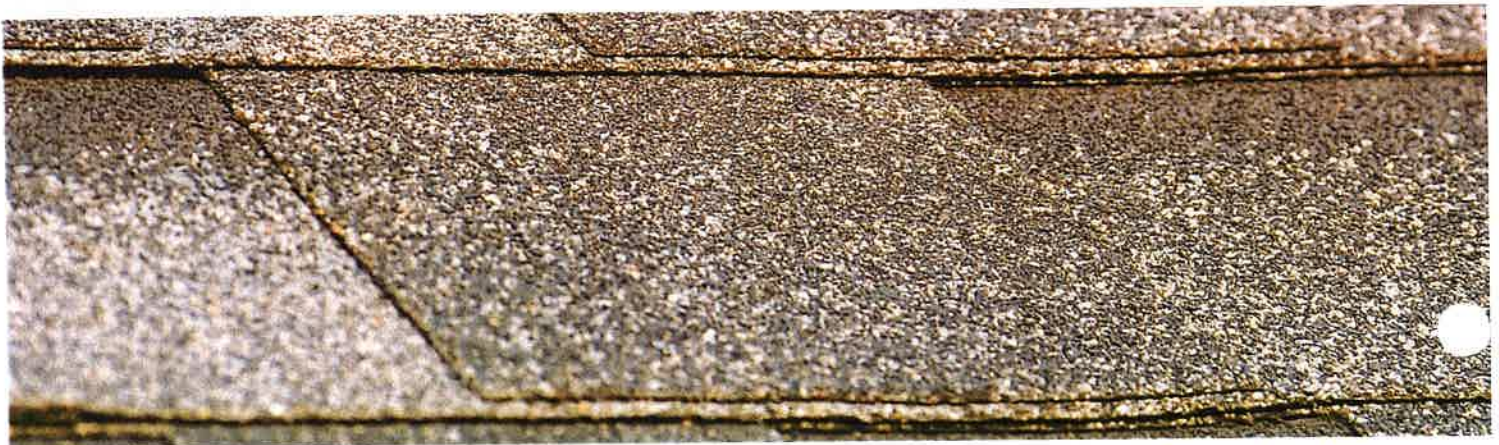
- Nails
- Felt Paper
- Tar Paper

Do-It-Yourself

You can sort shingles after unloading them. Containers are provided to separate scrap metal and trash from the shingles.

Not Accepted

- Wood - pallets, Woodshake shingles,
- Metal - flashing, gutters, plumbing stacks,
- Plastic or vinyl - vents, gutters, buckets, plastic packaging,
- Paper waste, Mastic or plastic roofing cement,
- Rolled roofing materials (excess felt),
- Other garbage, trash or dirt, Nail coils



Boone County Landfill Schedule of Fees (Effective July 1, 2016)

User Type:	Uncovered Load Fee:	MSW (Garbage)	Construction /Demolition	Asbestos (Note 1)	Yard Waste*	Appliances*	Tires*
Per Capita	\$10.00	\$32.00 per ton	\$32.00 per ton	\$96.00 per ton	\$32.00 per ton	\$10.00 each	See below schedule
Minimum Charge	N/A	\$8.00 (500 pounds or less)	\$8.00 (500 pounds or less)	\$24.00 (500 pounds or less)	\$8.00 (500 pounds or less)	Not Applicable	Not Applicable
Non Per Capita	\$10.00 (Residential Use Cars & Pickups) - OR - \$100.00 (Applies only to all other vehicles with C&D)	\$46.50 per ton	\$64.00 per ton	\$96.00 per ton	Not Accepted*	Not Accepted*	Not Accepted*
Minimum Charge	N/A	\$23.25 (1,000 pounds or less)	\$32.00 (1,000 pounds or less)	\$24.00 (500 pounds or less)	Not Applicable	Not Applicable	Not Applicable

Note 1: Asbestos disposal requires an appointment. For residential and commercial structures that have been destroyed by either fire or natural disaster and which must be disposed of as ACM waste in their entirety, the loads must be delivered in bulk and properly packaged. For this type of ACM waste delivered to, and accepted by, the Boone County Landfill shall be charged a per ton fee of \$64.00 if a prior written request is submitted to, and approved by, the Landfill Administrator. A minimum fee of \$16.00 will apply to each load of this type of ACM waste.

* These items must originate from within the Landfill's Per Capita service area.

Per Capita Users Tire Recycling Fee Schedule:

Tire Size:	Off-Rim:	On-Rim:
Car & Light Truck:	\$3.00 Each	\$4.00 Each
Large Truck/Semi:	\$6.75 Each	\$7.75 Each
Tractor Tires (size restrictions apply):	\$16.00 Each	\$17.00 Each

Per Capita Users include residents and businesses located in: Boone County (except Sheldahl); Greene County (except the City of Jefferson); the Cities of Bouton, Granger and Woodward in Dallas County; and the Cities of Farnhamville, Lohrville and Somers in Calhoun County.

Non-Per Capita Users include residents and businesses located in Story County. Non-Per Capita MSW Users must first call the Landfill at 515-433-0591 to receive authorization *prior* to delivering a load. Authorization will only be given if the load is rejected by the Ames Resource Recovery plant in Story County. **This does not apply to construction & demolition waste.**

Note: Credit cards accepted with fee.



Construction & Demolition Waste

Originating from Story County, Iowa

With the closure of the Ames/Story Environmental Construction and Demolition Landfill in Ames, The Boone County Landfill is now the designated landfill for this type of waste originating from Story County (except Collins, Colo and Sheldahl.) Since the Landfill is the secondary disposal facility for Story County waste after the Resource Recovery Plant in Ames, the Boone County Landfill will only accept materials that cannot otherwise be handled in Story County.

Boone County has established the following acceptance protocols for construction & demolition waste originating from the Landfill's secondary service area (Story County.) Failure to follow these protocols will result in loads being rejected until such time as the load can be brought into compliance. Rejection of loads for not following this policy does not constitute authorization to take waste out of the planning area. Rather, loads must be brought into compliance to permit disposal at the Boone County Landfill.

Large-Scale Demolition Waste Acceptance: The current Boone County Landfill Large-Scale Demolition Waste Acceptance Policy will also apply to Story County C&D. This pertains to demolition projects over 300 tons in scope. These projects must comply with this policy.

Acceptable C&D Materials: C&D materi-

als that will be accepted (unless otherwise prohibited by the Large-Scale Demolition Waste Acceptance Policy*):

Wood	Drywall
Plaster	Asphalt shingles
Metal*	Windows
Flooring	Carpet
Siding	Wiring*
Brick*	Stone*
Concrete*	Paper
Couches	Insulation
Fiberglass Insulation	
Mattresses	Glass
Pallets	Hot Tubs

Materials that Cannot Be Mixed with Story County C&D Loads: The following materials will NOT be accepted in Story County C&D loads delivered to the Boone County Landfill. Please contact the Ames Resource Recovery Plant for instructions on how to properly dispose of these materials:

Free liquids	Yard waste
Brush	Land clearing waste
Soil	Tires
Appliances	Car batteries
Paint cans	Sod
Household Hazardous Waste	

Asbestos Containing Materials: Asbestos containing materials can be disposed of at the Boone County Landfill in accordance with the Landfill's Asbestos Acceptance Policy.

Asbestos Waste

all properties demolished, not just businesses. This letter should state that the property either did not contain asbestos or that it was completely removed. This rule also pertains to the Boone County Landfill service area.

Mobile Homes from Story County: Mobile homes will be accepted provided all non-acceptable materials are removed prior to demolition or delivery to the landfill. Mobile homes can be delivered via flatbed trailer (non-demolished) or in dump trucks or roll-off containers if demolished. Mobile homes towed on their own chassis will not be accepted.

Waste Origin Declaration: The declaring of any waste originating from Story County (or outside the planning area) as coming from within the landfill's primary service area is strictly prohibited. Making a false waste origin declaration will result in Boone County pursuing all available legal options for redress. It will also result in termination of credit privileges for customers that have established charge accounts with the landfill.

Covered Load Requirements for Story County

C&D: All loads covered by this policy must be securely tarped.

- Standard pickup size load or smaller: A \$10.00 uncovered load fee will be assessed.

- Any vehicle or trailer larger than a pickup: A \$100.00 uncovered load fee will be assessed

- Large Scale Demolition Waste Projects: All loads must be covered or load/truck will be rejected for one business day.

Waste containing asbestos is a highly regulated material. Do-it-yourselfers should educate themselves about the dangers of handling this type of waste.

An asbestos abatement letter is required for

A brochure on asbestos, published by the State of Iowa, is available free-of-charge from the Boone County Landfill. To request this brochure, please contact the landfill at 515-433-0591 or via email at info@boonelandfill.org.

Boone County Landfill Business Hazardous Waste Program

The Boone County Landfill can help make your business safer and more cost-effective. The new Business Program offers help in the proper identification, storage, and disposal of hazardous materials. This can reduce your liability and potential danger to your customers and employees. Most businesses see a 40 percent savings in hazardous waste management costs!

Businesses in Boone County that produce 200 pounds (about 25 gallons) of hazardous

waste or less per month are eligible. Under federal regulations, these businesses are termed Very Small Quantity Generators (VSQG).

Accepted materials: Aerosol cans, acids/bases, rechargeable batteries, corrosive cleaners, fertilizers, floor care products, fluorescent bulbs, gasoline and kerosene, oil based paints and stains, oven cleaner, paint thinner and remover, petroleum based adhesives, pesticides, poison, pool chemicals, roofing tar, rust remov-

ers, and other hazardous materials.

Non-accepted materials with this program: Ammunition/explosives, asbestos, radioactive materials, fire extinguishers, non-hazardous waste, empty containers, propane tanks, and scrap tires.

Call the Regional Collection Center (RC) 888-603-2739 to learn more about the hazardous waste management program for businesses.

Metro Hazardous Waste Drop Off Business Program

Businesses are not permitted to participate in "Clean Up Crew" events. The Metro Hazardous Waste Drop Off Business Program accepts hazardous waste from any business that generates no more than 200 pounds per month, or about 25 gallons. Under federal regulations, these businesses are called Very Small Quantity Generators (VSQG).

VSQG must follow certain rules:

- They must identify all hazardous waste they generate.
- They must send this waste to a designated hazardous waste or recycling facility (such as the MHWD).

• Produce under 220 pounds of hazardous materials per month.

• Store under 2,200 pounds of hazardous waste on site at one time.

The MHWD accepts quantities of hazardous waste **up to 20 gallons per visit**, but containers larger than 5 gallons (including 55-gallon drums) cannot be accepted.

If a business thinks it may qualify as a VSQG, contact the MHWD at 515-967-5512 or 1-888-603-2739 or email hazwaste@mwatoday.com to request a registration packet.

After the business completes the certification form and hazardous waste inventory, the

MHWD will review the information and furnish an exact price quotation. MHWD staff will also set up an appointment for delivery of the waste.

While the MHWD, and the "Clean Up Crew," do not charge residents for their services, there is a fee for businesses, based on the amount and type of hazardous waste they bring to the facility.

FOR MORE INFORMATION ON THE MHWD BUSINESS PROGRAM CONTACT THE MHWD AT 515-967-5512 OR AT 1-888-603-2739

Latex & Oil-Based Products

WHAT TO DO WITH LATEX BASED PRODUCTS:

Latex paint and other latex products are **NOT** household hazardous materials.

You can dispose of them in regular trash after drying them properly.

INSTRUCTIONS

1. Open can with leftover paint in a well-ventilated area.
2. Place kitty litter in paint
3. Stir occasionally with paint stick.
4. Sit back and watch (optional), or attend to another task while the paint dries.

WHAT TO DO WITH OIL-BASED PAINTS, STAINS AND VARNISHES:

What are oil-based or alkyd paints, stains and varnishes? These products contain hazardous

solvents that are used to keep the paint in a liquid state. They may also contain toxic metals such as lead, mercury and cadmium. The containers usually say they are "combustible", and should be cleaned up with mineral spirits or paint thinner. Oil-based paint products are classified as hazardous because they are ignitable and contain harmful, toxic chemicals.

What can I do with unwanted oilbased paints, stains and varnishes?

If oil-based products cannot be used or given away, bring them to Metro Waste Authority's Regional Collection Center 1-888-603-2739 or to a Household Hazardous Waste clean up event for proper disposal.

Alternatives:

Try Latex Instead: Latex paint, stains, and varnishes provide a safer alternative to oil-based products.

Waste Reduction Tip:

Store paint properly. Keep in a dry area and place lid on tightly to keep air out. Properly handled, oil-based paint has a shelf life of almost 15 years!

Household Hazardous Materials

Both the Boone County Landfill and the City of Ames Resource Recovery Plant have partnered with Metro Waste Authority in Des Moines to provide an extensive program for hazardous materials. Metro Waste Authority operates a Regional Collection Center (RCC) in Bondurant, Iowa. Brochures detailing this program are available free-of charge from the Boone County Landfill by calling 515-433-0591.

Household Hazardous Materials:

There are three different options available to residents seeking to properly dispose of the household hazardous waste (paints, oils, pesticides and solvents). They include:

Clean-Up Crew Events:

These are mobile collection events held throughout the warmer months of the year. Residents can bring paints (no latex), pesticides, solvents and cleaners free-of-charge to these events. The schedule of events is posted on the Landfill's web page or you can call 515-433-0591.

Satellite:

The Boone County Landfill operates a satellite collection center for household hazardous materials. This program is available to people moving out or into a home

as well as for estate clean-outs. This program is operated on an appointment only basis. For more information please call the Landfill at 515-433-0591.

The City of Ames Resource Recovery Plant also operates a satellite collection center. For more information on their program please call 515-239-5137.

Regional Collection Center:

The RCC in Bondurant is also open to the public to drop-off household hazardous materials. In addition, the RCC operates the SWAP SHOP which offers usable items. For more information please call the RCC at 1-888-603-2739.

What happens to the hazardous materials collected?

The materials collected through the above programs is either reused, recycled, or disposed of at out-of-state facilities specifically designed to handle hazardous materials.



Home Generated Medical Waste

Did you know that items such as needles, syringes, other sharp objects and soiled bandages pose a serious risk to garbage haulers and landfill customers and employees?

MAIL DISPOSAL SERVICES FOR HOME GENERATED MEDICAL WASTE: Did you know that there are mail disposal services to help you properly dispose of items such as needles, syringes, other sharp objects and soiled bandages?

How do these systems work? You simply make arrangements with a private company that provides this type of service.

You prepay them for an approved medical waste disposal container which they then send to your home or office. You then follow the enclosed instructions, fill the container, enclose payment for your next container (if needed) and mail the container to a specified treatment facility. The container and its contents are then properly treated and disposed of and a certificate of destruction is mailed to you along with your new disposal container.

You can contact the Boone County Landfill for more information.

Safe Sharps Disposal

What are "Sharps"?

Sharps are needles, syringes, with attached needles, and disposable lancets used by medical patients to treat conditions such as diabetes, allergies, cancer, etc. Farmers also use needles or syringes to inject livestock.

Why are sharps a danger?

Improperly discarded sharps can injure garbage collectors, recycling workers and landfill employees and customers. Accidental needle sticks from carelessly discarded sharps can transmit deadly diseases, such as Hepatitis B, HIV (the virus that may lead to AIDS), and tetanus.

Proper Sharps Disposal:

Use a specifically designed sharps disposal container. These containers may be purchased at most pharmacies for just a few dollars and are designed to protect yourself and anyone else who might come into contact with the container. Your doctor or veterinarian may also provide them. The advantages of using a sharps container are that they are leakproof, rigid and puncture resistant. A variety of sizes are available which can hold from 30 to 300 used sharps. You may also use a heavy plastic bottle with a screw top lid (i.e., detergent bottles). **DO NOT USE** milk jugs, soda bottles

or coffee cans.

Never put a sharps container in the garbage or recycling bin.

Dispose of a sharps container only through a qualified medical or hazardous waste management facility. Any other disposal option may cause an injury to a family member, collection worker, landfill personnel or customers or even a pet. Although sharps containers are of a rigid design, they cannot hold up to the compaction forces of a modern garbage truck or landfill compaction equipment.

How do I dispose of Sharps?

You may dispose of sharps at the Boone County Landfill's satellite household hazardous waste collection facility. The facility will accept sharps containers during the landfill's normal operating hours. Please call 515-433-0591 for more information.

A waste handler's greatest fear is being stuck by a needle in the garbage or recycling bin.



Service Providers & Information Resources Guide

Adopt-A-County Road, Adopt-Your-Favorite-Place

There are programs that provide volunteers the opportunity to help Keep Boone County Beautiful. Boone County Landfill sponsors the Adopt-A-County Road program and the Adopt-Your-Favorite-Place Program. The County believes that these programs will help keep area roadways cleaner as well as raise awareness about the need to prevent litter.

The County Road program is coordinated and managed by Keep Boone County Beautiful with help from the Boone County Engineer's office. KBCB handles volunteer training, scheduling and the collection of the litter collected by the volunteers. Keep Boone County Beautiful (sponsored by the Boone County Landfill) provides funding for signage and supplies. The Boone County Engineer's office specifies eligible adoption sites and

arranges for sign placement.

A number of eligible sites remain available for adoption throughout Boone County. All sites are located alongside paved roads and have a minimum of a six foot wide shoulder. The County supplies necessary training and supplies. A map of the sites available can be viewed on the County website at www.boonecounty.iowa.gov. Click on the Keep Boone County Beautiful site then click on Adopt-A-Road then See the Map.

Several county recreational areas have been adopted through Adopt-Your-Favorite-Place. Already adopted are county ramps and a county trail.

For more information about the Adopt-A-County Road and Adopt-Your-Favorite-Place programs, please contact Keep Boone County Beautiful at 515-433-0591.

Illegal Dumping

How Illegal Dumping Affects the Community

Illegal Dumping Is Harmful:

- Illegal dumping endangers public health by spreading disease and creating havens for disease carrying pests.
- Illegal dumping poses a serious injury risk to public employees who clean up the dumped materials (i.e., cuts, sprains, broken bones.)
- Illegal dumping harms the environment and wildlife.
- Illegal dumping negatively impacts the natural beauty of Boone County.

We don't like to think about

it. We would like to ignore it. We can't afford to any longer!

Illegal Dumping Affects All Of Us:

- In 2003 Boone County Secondary Roads spent \$80,000 cleaning up illegal dump sites.
- This amount is 33 times what proper disposal would have cost the people who actually did the illegal dumping.
- Who paid the cleanup bill? **The Taxpayers.**
- In other words: All of US!***

Environmental Awareness



Keep Boone County Beautiful - Keep Boone County Beautiful (KBCB), an affiliate of Keep Iowa Beautiful, is sponsored by the Boone County Landfill. Its mission is to protect and preserve the beauty and quality of life through partnerships between citizens, businesses, neighborhoods and government. Its goal is a cleaner and more beautiful county.

Keep Boone County Beautiful partners with individuals, groups, businesses and local governments to maintain and enhance the beauty of Boone County, Iowa.

KBCB's efforts focus on Litter Awareness and Prevention, Beautification, Waste Reduction and Recycling, and Water Quality.

Dragoon River Romp -The Dragoon River Romp is an annual clean up event on and around the Des Moines River in Boone County. The Des Moines River has significant historic relevance and is a major recreational area in Boone County. Our goal is not only to clean up these areas but to educate our volunteers about the importance of taking care of this great resource. The event is typically held in September each year.



Environmental Education -The Environmental Education Program invites teachers, students, parents, businesses, boy/girl scout groups, other agencies and all ages to join us for hands-on lessons in natural science, resource management and ecology awareness in Boone County. Our programs are designed to involve and excite students in and about our environment. Participants will discover, investigate and explore the wonders of our world...And have fun at the same time! We strive for a fun and educational experience! To schedule a program for your class or group please call the Boone County Landfill at 515-433-0591 from 7:30am - 4:00pm.

For more information check out the KBCB web page: www.boonecounty.iowa.gov. To get involved, call: 515.433.0591; or via email at kbcbb@boonelandfill.org.



Keep Iowa Beautiful - Among its activities, Keep Iowa Beautiful works to:

- assist communities and organizations in cleanup and beautification projects
- conduct studies that help to understand the reasons some people litter and show a lack of respect for land and property
- provide anti-littering and beautification education programs
- increase public awareness of the costs of littering
- encourage regional groups and communities to become Keep Iowa Beautiful affiliates. KIB is an affiliate of Keep America Beautiful.

For more information check out the KIB web

page: www.keeptowabeautiful.com. To get involved, call: 515-323-6507; or via email at gshnepf@keeptowabeautiful.com.

Keep America Beautiful - Keep America Beautiful is one of America's oldest environmental organizations. They assist communities in developing litter prevention, beautification and waste reduction programs. For more information check out the KAB web page:

www.kab.org.

Boone County Conservation - Boone County Conservation Board encourages you to explore all of the hidden treasures found throughout the six different parks and wildlife areas. Each of these unique areas has something wonderful to offer the public. From trekking through prairies and oak savannas to picnicking, fishing, and even golfing, we hope that you will immerse yourself in all that our wild areas have to offer. Contact: 515-353-4237 or <http://www.boonecounty.iowa.gov>

Keepers of the Land - The purpose of the Keepers of the Land Volunteer program is to provide support for successful programs, and to develop new opportunities for volunteers. Local, state and federal agencies simply can't do all the work that needs to be done, so we rely on you, the public, to help. Visit <http://www.iowadnr.gov/volunteer/index.html>



Keep Boone County Healthy Program

The Boone County Landfill is one of the partnering agencies in the Keep Boone County Healthy (KBCH) program. KBCH is a voluntary program that seeks to educate residents about ways to improve and protect their home living environment. There are two facets to the KBCH program.

First, the educational facet consists of seminars, given on the National Healthy Homes Program seven key topic areas, plus additional

topics relating to upkeep, maintenance and improvement of your home and property. These free seminars are scheduled to be held throughout the county in Boone, Ogden, Madrid, and Pilot Mound. Residents who complete the course of seminars are eligible to be recognized as a Keep Boone County Healthy Graduate Scholar.

Secondly, the KBCH program conducts voluntary home inspections for persons who have health problems that could be improved by

bettering the living environment in their home. People living in homes considered substandard or having substantial problems would also be considered for enrollment in this part of the program. In order to enroll in the KBCH program, a referral is required from a health care provider or a public service agency.

For more information on the Keep Boone County Healthy program, contact the Boone County Sanitarian at 515-433-4964.

Want More Information?

**Boone County Landfill,
1268 224th Lane, Boone, IA 50036
515-433-0591
info@boonelandfill.org
boonecounty.iowa.gov**

**Boone County Recycling Services
515-230-7819
jroosa@boonecounty.iowa.gov**

Solid Waste & Recycling Service Providers

There are a number of solid waste and recycling service companies that provide collection services in the Boone County Landfill's primary service area. Please note that collection programs/options/availability vary by company.

Service Codes: (1) Garbage Collection; (2) Residential Recycling; (3) Commercial Recycling; (4) Yard Waste Collection; (5) Roll Off Services.

For information on Solid Waste & Recycling Service Providers that serve Ames and Story County please consult your local telephone

directory or call the Ames Resource Recovery Plant at 515-239-5137.

NOTE: The listing of the below companies does not in any manner represent an endorsement by the Boone County Landfill. These companies are listed for informational purposes only. Any omissions are unintentional.

Company:	Telephone Number:	Office Location:	Services:
Boone County Recycling Services	515-433-0591 or 515-230-7819		
Carroll Refuse	712-792-0101	Carroll	1, 2, 5
Chitty Garbage	800-541-8190	Nevada	1, 5
Genesis Development	515-386-3017	Greene County	3 (limited)
Jensen Sanitation	641-747-3396	Guthrie Center	1
Mills Sanitation	888-680-8733	Exira	1, 2, 5
Miner	515-208-5014	Granger	5
Tom Walters Company	515-432-3286	Boone	1, 2, 3, 4, 5
Walters Sanitary Service	515-432-2866	Boone	1, 2, 3, 4, 5
Waste Management	1-800-427-4587	Ames	1, 2, 3, 4, 5
Wisecup Trucking	515-231-2650	Ogden	5

Educational Outreach

The Boone County Landfill provides a number of educational outreach opportunities.

Public Speaking Topics. Landfill staff are available to speak on the following topics: Solid Waste Management, Landfill operations, residential recycling, commercial recycling, household hazardous waste, yard waste composting, used tire management programs, and the Keep Boone County Beautiful program. Programs can be tailored to meet

the needs of your organization.

Landfill Tours: The Landfill provides tours (by prior appointment) for schools and other organizations. To inquire about scheduling a landfill tour, please call 515-433-0591.

Environmental Education Coordinator Conducted Programs. See Environmental Awareness, page 13.

Website Resources

Check out these online resources for more information:

Boone County. Boone County's website, www.boonecounty.iowa.gov, provides information about all County Departments including:

Boone County Landfill (schedule of events)

Boone County Conservation
Boone County Health & Sanitation

Keep Boone County Beautiful
Boone, Iowa. This website, sponsored by the City of Boone and the Boone Area Chamber of Commerce, provides information on Boone, Iowa: www.booneiowa.com

Ogden, Iowa: www.ogdeniowa.org

Iowa Society of Solid Waste Operations. ISOSWO is the

Iowa chapter of the Solid Waste Association of North America. It is a professional organization serving solid waste management professionals in Iowa. ISOSWO's website provides information on the solid waste management industry. www.isoswo.org

Iowa Recycling Association. The Iowa Recycling Association is the leading trade association for the recycling industry in Iowa:

www.iowarecycles.org

IDNR Waste Management:

www.iowadnr.gov

Keep Iowa Beautiful:

www.KeepIowaBeautiful.com

Iowa Association of Naturalists:

www.iowanaturalists.org



RECYCLING GUIDELINES for Residents & Businesses in BOONE COUNTY

RECYCLABLE



Twist-Top Plastics WITH Caps
& ONLY Yogurt &
Margarine Containers



Paper Food Cartons
(not cylinder shaped)



Aluminum, Tin
& Empty Aerosol Cans



Shredded Paper
(Place in a paper sack or box)



Newspapers
Glossy Inserts
Magazines

Mixed Paper (Junk mail, phone books, envelopes)
Cardboard (Break down/flatten)



Glass Jars & Bottles (All colors)



NOT RECYCLABLE



Plastic Bags or
Recyclables in Plastic Bags



Aluminum Foil
& Baking Tins



Compostable Cups,
Plates, Utensils & Bags



Plastic & Paper Cups, Tub,
Lids & Utensils



Containers for
Hazardous Materials



Food Contaminated
Items (Pizza boxes,
paper plates, napkins)



Plastic & Styrofoam
Food Containers & Lids



Garbage or
Yard Debris

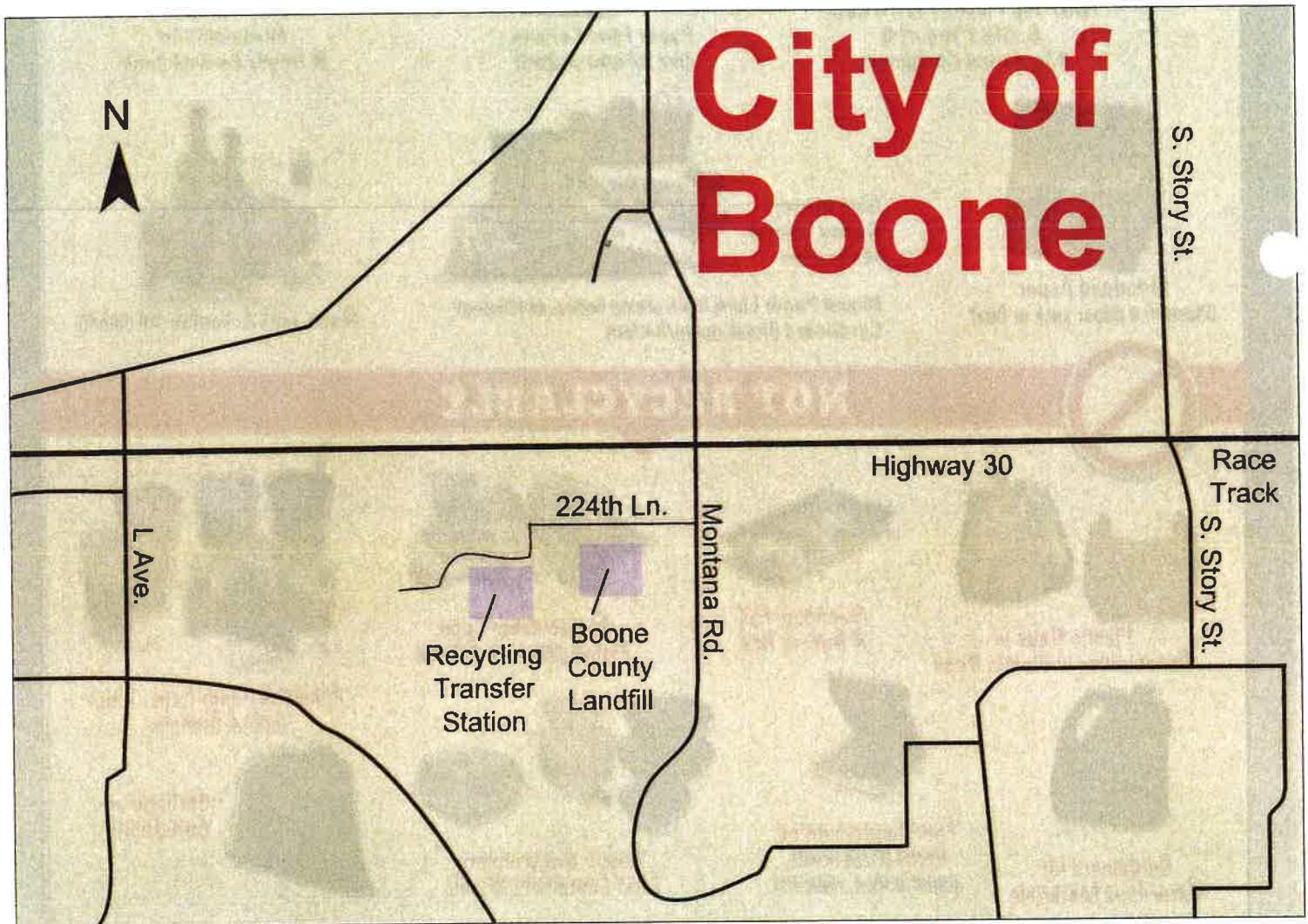


Boone County
Recycling Services



Directions To The Boone County Landfill

The Boone County Landfill is located just west of Boone off of U.S. 30. Turn south at the intersection of Montana Road and U.S. 30 (1.7 miles west of the four-way stop in Boone) and go 1/4 mile to 224th Lane. Turn right on 224th Lane and go 1/4 mile to the entrance to the landfill.





the green pages

9th edition
recycling & disposal guide



The primary service area of the Boone County Landfill is Boone County (all except Sheldahl), Greene County (all except the City of Jefferson), Dallas County (just the cities of Bouton, Granger, Woodward), Calhoun County (just the cities of Farnhamville, Lohrville and Somers).



The secondary service area of the Boone County Landfill is: Ames and Story Counties (restrictions & limitations apply)



visit us online at
www.boonecounty.iowa.gov/landfill
email us at
Info@boonelandfill.org
515.433.0591

 **BOONE COUNTY LANDFILL**
A Tradition of Environmental Excellence Since 1970

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Help Make Recycling Work!

The Environment. We all want to do our part to protect it and make the world a better place to live. The Iowa Waste Reduction and Recycling Act of 1989 requires cities and counties to significantly reduce the amount of garbage they landfill.

We all need to pay closer attention to our lifestyles to make sure that we are living in an environmentally friendly a fashion as possible. Here are some suggestions:

Reduce! Be careful when purchasing items that you pay attention to the amount of packaging. Also, consider whether or not the product or its packaging is recyclable in your community.

Reuse! It sounds simple, but many of us overlook the obvious. Why throw something away when you can use it again and again. The kitchen is a treasure trove of reusable items such as aluminum foil, glass jars, and plastic containers. **Recycle!** Don't be part of the problem! Be part of the solution! If you are not already recycling, think about starting. Recycling is easy. Many items such as newspaper, glass, metal cans, and plastics are being collected from homes and

workplaces just like yours.

How Well is Recycling Working in Our Area?

Recycling has really taken hold in our area. In fact, the Central Iowa Waste Management Association planning area is one of only three of the 47 planning areas in the State of Iowa that have exceeded the State goal of 50% waste diversion from landfills. Currently, the planning area diverts over 59%.

- **Curbside Recycling:** Residents in many of our communities have access to curbside recycling programs for all of their single-family homes.

- **Drop-Off Recycling:** In addition to drop-off recycling containers located in some of our communities, a permanent drop-off recycling center is located at the Boone County Recycling Center.

- **Workplace Recycling:** Businesses and workplaces in our area have recognized that they can improve their "bottom line" by pro-actively managing their waste through waste reduction and recycling activities.

By Working Together We Can Make Recycling Work!

How To Prepare Materials For Recycling

As recycling becomes more and more popular, it is important to continue to get the word out about how to properly prepare materials for collection programs. This section will help you to help your local recycler handle those recyclable materials that you have bought, used and then want to dispose of as part of your daily environmental routine.

Recycling is a rapidly changing field and has become an increasingly important method of waste disposal. Materials that are difficult or impossible to recycle today may be commonly collected in the next couple of years through curbside, drop-off and commercial recycling programs. Keep in mind that due to the rather sudden popularity of recycling, nearly every current recycling program is working at capacity and may not be able to add new materials as

quickly as they and you might like. At the same time, one or two programs may begin accepting a new material before other programs are able to gear up their operations for that new material. Be patient, recycling opportunities will expand to fit your needs. Better yet, choose a more recyclable product when you do your shopping or use multiple programs for different materials.

Most recycling programs are independently operated, so there are bound to be differences between the various drop-off centers, curbside collection programs and buy-back centers. Differences in materials accepted, hours and days of operation and even the manner in which the recycler prefers the materials to be prepared should be expected. Get to know your local recycling center and/or curbside recycling program and watch for changes in your local newspaper.

General Rules About Materials Preparation

The following material preparation guidelines apply to materials handled by the Boone County Recycling Center either through their drop-off recycling center or through curbside recycling programs that utilize their facility. Applicable curbside programs include: Programs in Boone County, Bouton, Granger and Woodward in Dallas County, and Farnhamville, Lohrville and Somers in Calhoun County.

1. Keep Your Materials Clean.

You don't need to sterilize, but all food should be rinsed off. Your recycler will appreciate it!

2. Separate Your Materials.

Your materials may need to be separated from each other somewhere and by someone, so if you can do this, you've helped a great deal. Some curbside recycling programs no longer require residents to separate all materials from each other, except for keeping all paper items separate from non-paper items. Check to see if they may require all or part of this at your local facility. Additional separation takes place at the processing facilities built just for that purpose.

3. Recycle.

If you can't recycle it, avoid buying

it in the first place.

These rules apply to all materials, but the most important rule is Keep it Neat! You and your family will feel better about recycling and you'll make it easier for everyone involved in the process of recycling.

Material preparation guidelines for Greene County are available in their recycling guide which can be obtained by calling any Greene County City Hall.

For residents in the City of Scranton, please contact City Hall.

Note: BCRC is not a redemption center. We do not handle your "nickel back" from cans and bottles. Contact the business you purchased them from for your options.

Residential Recycling

There are a number of recycling opportunities available to residents. These include:

CURBSIDE:

Boone County: Solid waste haulers in Boone County offer recycling collection programs. The programs offered are based on whether or not your residence is located within or near a city. You will need to check with your hauler to determine the availability of programs and what materials are accepted.

Greene County: The Greene County Recycling Agency provides curbside recyclables collection throughout Greene County, except for the City of Scranton. Residents can obtain a free pamphlet by calling their City Hall.

The following cities also have curbside recycling programs available. Contact either the City Hall or your solid waste hauler for more information: Scranton, Bouton, Granger, Woodward, Farnhamville, Lohrville and Somers.

Ames/Story County: In addition to the Ames Resource Recovery Plant which processes solid waste into a fuel source for the City's electric power plant, solid waste haulers in Story County offer recycling collection programs. The programs offered vary based on the hauler and your location. You will need to check with your hauler to determine the availability of programs and what materials are accepted. In addition, the Ames Resource Recovery Plant can provide you with information. They can be reached at 515.239.5137.

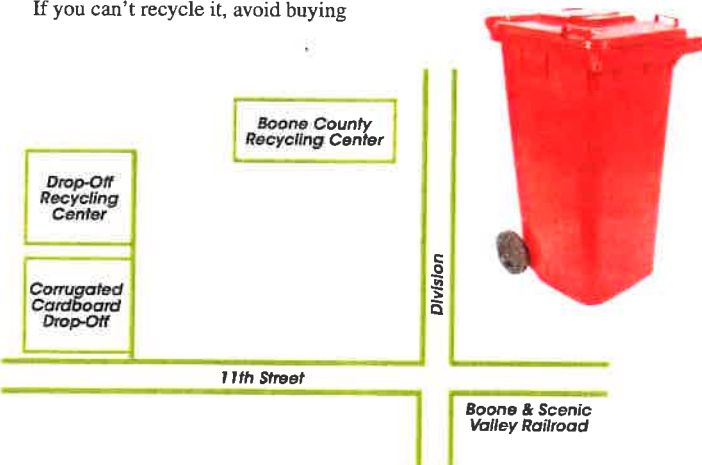
DROP-OFF:

Boone County: The primary drop-off recycling location in Boone County is located at the Boone County Recycling Center, 1109 Division Street in northwest Boone (see map on left). This 24/7 facility accepts: Metal Cans, Clear Glass Bottles and Jars, Plastics Containers (#1 and #2 only), Newspaper (including advertisements), Mixed Paper, Junk Mail, Phone Books, Brown Paper Bags, Office Paper, Tissue Boxes, Cereal Boxes, Stationary, Magazines, Shredded Paper, Corrugated Cardboard (except pizza boxes), Cardboard (includes any non corrugated cardboard-like material such as tissue or cereal boxes.) The Boone County Recycling Center does not accept cardboard that is used for micro-waved, frozen, or refrigerated foods and beverages or has a waxed or plastic coating.

Ogden: A drop-off recycling container is also located in the City of Ogden at City Hall. It accepts newspapers.

Greene County: The Greene County Recycling Agency provides drop-off recycling containers throughout Greene County. A free pamphlet describing their program is available to residents by calling their nearest City Hall.

Ames/Story County/Iowa State University: You will need to check with the Ames Resource Recovery Plant for information on drop-off recycling. They can be reached at 515.239.5137.



RECYCLING DROP-OFF CENTER 11th & Division Streets, Boone



Workplace Recycling

Workplace recycling is gaining in popularity as a means for businesses and workplaces to pro-actively manage the waste they generate. Listed here are many of the programs available:

Corrugated Cardboard: Yes, your workplace can recycle its corrugated cardboard. The following programs are available:

Large scale: Area solid waste haulers/recyclers provide collection service for large generators of corrugated cardboard. Contact your hauler for more information.

Small scale: The recycling drop-off site at the Boone County Recycling Center provides businesses with an opportunity to recycle the corrugated cardboard they generate. In Greene County, Genesis Development operates a cardboard recycling program. Contact Genesis at 515.386.3017.

Office Paper: Your workplace can also recycle its office paper.

Boone County Recycling Center operates a workplace collection program in Boone County. In addition, the Boone County Recycling Center will accept office paper at its drop-off facility. Contact the Boone County Recycling Center at 515.433.0591.

Genesis Development operates

an office paper collection program in Greene County. Contact Genesis at 515.386.3017.

Employee Education Materials: The Boone County Landfill can provide your workplace with workplace recycling posters to assist you in educating your employees about your workplace recycling program. These posters are FREE and can be tailored to meet the specific needs of your workplace. Contact the Landfill at 515.433.0591 for more information.

Story County Commercial Recycling Information: For information on commercial recycling programs in Ames and Story County please contact the Ames Resource Recovery Plant at 515.239.5137.

Outstanding Business/Workplace Waste Reduction & Recycling Awards: Each fall (in conjunction with America Recycles day) the Boone Area Chamber of Commerce, Boone County Conservation and the Boone County Landfill sponsor the Boone County Outstanding Business/Workplace Waste Reduction & Recycling Awards. This award is presented to businesses/workplaces that have implemented programs to pro-actively manage their waste.

Iowa Waste Exchange: The Iowa Waste Exchange is a state funded program that assists workplaces in pro-actively managing their waste.

What you may consider a waste may be the raw material needed by another business! The services offered by the Iowa Waste Exchange are free. Contact Shelly Codner at 515-965-7194 or 319-404-1942 for more information.



Paper Products

Newspapers: The general rule for newspaper is this: If it came in the newspaper, it can be recycled with the rest of the newspaper. The glossy sections and Sunday magazine sections are acceptable. Watch out for special promotional plastic items (like DVD/CD's) that are put in newspapers from time-to-time.

The best and easiest way to bundle your newspaper is to bag it tightly in the brown paper bags you request at the supermarket. Before the paper is sent to a paper mill, all the bags are removed and recycled separately, but bagging the paper makes for easy handling for you and your recycler.

Magazines, Catalogs and Junk Mail: Most curbside programs and some drop-off centers accept magazines, catalogs and junk mail for recycling. Please remove inserts like perfume samples and other non-paper items that are sometimes included inside magazines.

Phone Books: The curbside program allows residents to include phone books along with their newspapers and magazines. After collection, the phone books are separated by hand at a processing facility, so don't "hide" them deep in the bundle of newspaper.

Also, some distributors of phone books offer special drop-off programs soon after new books are delivered.

High-Grade Papers and Computer Printout (CPO): Please respect what might seem to be strict requirements as they are necessary in order to make the paper attractive to paper mills. Many curbside programs include high-grade papers in their collections.



Some drop-off programs will also accept them. Bundle them separate from newspapers and magazines. They can be placed with Junk Mail.

Corrugated Cardboard and Other Brown Paper: Generally speaking corrugated containers and brown paper bags can be recycled together. Please break down boxes and refold bags to save space. Remove non-paper materials such as foam packing material.

Non Corrugated Cardboard/Chipboard: This includes any non corrugated cardboard-like material such as tissue or cereal boxes, backs of writing tablets, shoe boxes, detergent boxes, gift boxes and packaging boxes for toothpaste, toys, or pain relievers. These items should be flattened and placed in with your newspapers.

The Boone County Recycling Center does not accept cardboard that is used for micro-waved, frozen, or refrigerated foods and beverages or has a waxed or plastic coating.

Paper Products NOT Accepted: Pizza boxes, waxed cardboard, coated chipboard used for cold/frozen food or beverages, Tyvek paper (for example: express mail envelopes), used tissue paper, used paper towels.

Plastic Materials

Plastics are a fast growing category of materials collected for recycling purposes. The plastics industry is trying to develop recycling programs for many types of plastics but currently only Polyethylene Terephthalate (PETE #1) and High Density Polyethylene (HDPE #2) are widely accepted at local recycling centers and by most curbside programs.

Plastics are extremely lightweight and can be crushed before you put them in your recycling container. Here's a quick and easy way to do that: When the container is "empty" pour a couple of inches of hot water from the tap into the bottle and shake it well. Then pour it down the drain or in the case of cleaning products, you now have an extra batch of diluted product that might

be good for one more wash!

Put the empty (and warm) container on the floor and step on it a few times. The container will quickly cool and remain in the flattened state.

PETE (Polyethylene Terephthalate) #1 Bottles: PETE is used to make two liter soft drink bottles and many other products. PETE is coded with the number 1 on the bottom of the bottle.

HDPE (High Density Polyethylene) #2 Bottles: HDPE is used to make a wide variety of bottles including milk, juice, laundry and some water bottles. HDPE bottles are coded with the number 2 on the bottom of the bottle (see chart on this page.)

Please note that #2 bottles that have contained motor oil, or any hazardous material are not accepted in any area recycling programs at this time. Vegetable oil bottles are also not accepted locally. Also, if your HDPE milk bottle has a colored plastic "sleeve" on the outside you should also check to see if the sleeve needs to be removed prior to giving it to your recycling program. In any event, you should periodically check with your recyclables collector or center to determine what types of HDPE they will accept.



Plastic Container Code System for Plastic Bottles

CODE	MATERIAL	TYPICAL PRODUCTS
PETE	Polyethylene terephthalate (PET)	soft drink bottles
HDPE	High-density polyethylene	milk jugs, laundry detergent
V	Vinyl/polyvinyl chloride (PVC)	vegetable oil bottles
LDPE	Low-density polyethylene	dry cleaning & bread bags
PP	Polypropylene	yogurt cups
PS	Polystyrene	carry-out containers
Other	All other resins & layered multmaterial	microwave serving ware

Glass

Clear glass bottles and jars are recycled through most recycling programs. Window glass, ceramics, and crystal are not acceptable and can wreak havoc at the glass factory when mixed with bottles and jars. No green glass is accepted at this time.

Paper labels can remain on the bottles and jars. Please rinse out food residue before putting your bottles into your recycling containers.

Window glass, though not accept-

able at any area recycling center, might be taken to some businesses that sell this type of glass. Call your friendly glass store first before appearing at its doorstep with your window glass.



Metal Products

Metal Food Cans (Steel/Tin/Aluminum): Metal cans include food and drink containers. Labels should be removed prior to recycling. Empty paint cans and aerosol containers are not acceptable in area recycling programs.

Aluminum is easy to identify as a white metal that

will not attract a magnet. Non-redeemable aluminum cans can be crushed to save space, but this is not usually necessary. Most beverage cans are made of aluminum, but you might also find that some pet food cans and other containers are made of aluminum.

Aluminum foil and baking pans are also recyclable through many recycling centers and curbside recycling programs. Keep them clean and crumple them tightly.



Scrap Metal

Scrap metal has several outlets including:

Salvage yards: Take your scrap metal directly to a scrap metal recycler/salvage yard. The cost of this alternative will probably be less than bringing scrap metal to the BCL. For a list of salvage yards in Boone County please call Boone County Health and Sanitation at 515-433-0550. For a list of salvage yards in Greene County please call the Greene County Environment Department at 515.386.5669. For Sto-

ry County, call the Ames Resource Recovery Plant at 515.239.5137.

Boone County Landfill: The BCL accepts scrap metal items (i.e., metal siding, furniture, fencing, etc.) generated within its primary service area. If the scrap metal is recyclable, customers will be asked to place the scrap metal items in a designated storage area on the landfill property. The landfill's normal tipping fees and covered load policy apply.

Motor Oil

Used motor oil can be recycled into new motor oil and other lubricants. If you plan on recycling your used motor oil please do not mix anything with it (no gasoline, brake fluid, or other solvents, etc.) Only motor oil that has not been contaminated has any chance of being recycled into a new product.

Where can you take your used motor oil to be recycled? While it is impossible to provide you with a list of locations that will remain accurate for the life of this directory, we can provide you with some suggestions. In all cases you should CALL a location first to determine if they 1) accept used oil, 2) if they have a limit on the quantity of used oil they will accept, and 3) if they charge anything for the service.

Although not guaranteed, the following are your "best bets" for taking your used motor oil off your hands.

- Auto parts stores
- National and local "quick-oil change" outlets
- Local service stations that provide

automotive repair services

• The Regional Collection Center in Bondurant.

If the above suggestions fail, please do not hesitate to contact the Boone County Landfill at 515.433.0591 for further assistance.

What happens to properly disposed used motor oil? Used motor oil can be re-refined into new motor oil or used as a raw material in products such as asphalt.



Tires

State law prohibits the landfill disposal of used tires. However, convenient disposal opportunities exist to help you properly dispose of your used tires including:

Tire Dealers: When you purchase new tires, have your dealer dispose of your old tires. In most cases they will charge you a fee equal to or less than what you will be charged at the BCL and you will not have to hassle with the old tires! Used tires, when not properly disposed of, raise concerns such as becoming mosquito breeding grounds and fire safety.

Boone County Landfill: During normal operating hours throughout the year, the BCL accepts used tires at a designated storage area on the landfill property. A per tire fee is charged based on the size of the tire and whether or

not it is still mounted on a rim. Tires are only accepted from residents within the Landfill's primary service area.

The Boone County Landfill has a brochure available to help you better maintain your tires and help your tires, "Go Twice as Far."

City of Ames/Story County: The Ames Resource Recovery Plant can provide you with information about used tire disposal. They can be reached at 515.239.5137.

What happens to properly discarded used tires? Discarded tires, when properly disposed, are recycled into a number of different products including new rubber products, playground surfacing, running tracks and tire-derived-fuel for power plants.

For more information please contact the Landfill at 515.433.0591.

Batteries

Lead-Acid: This type of battery is banned from landfill disposal in Iowa. However, there are a number of convenient disposal opportunities available including:

Retailers/Dealers: Let your new battery retailer or repair shop handle your old battery. In many cases this may reduce your overall bill!

Boone County Landfill: The BCL accepts, free-of-charge, used vehicle batteries generated within its primary service area. Vehicle batteries may be brought to the landfill throughout the year during normal operating hours.

Rechargeable: Many rechargeable batteries contain heavy metals that are hazardous to the environment. There are a couple of disposal alternatives available:

Retailer Return sites: The Rechargeable Battery Recycling Corporation sponsors a program through which retailers can accept used rechargeable batteries. The retailers then send the batteries to a recycling facility located

in Pennsylvania. For more information on this program and to identify the nearest participating retailer, call 1-800-822-8837.

City of Ames/Story County: The Ames Resource Recovery Plant can provide you with information about battery disposal by calling 515.239.5137.

Regional Collection Center (Bondurant, Iowa): The RCC in Bondurant accepts used rechargeable batteries. For more information, please call the RCC at 1.888.603.2739.



Yard Waste

Yard waste, which is defined as: grass clippings, leaves, weeds, brush, branches, limbs, Christmas trees, as well as any plant or vegetable waste that was not considered to be food waste; was banned from being disposed in landfills in 1991. Many communities provide a location for residents to bring their yard waste.

Boone County Landfill's Yard Waste Processing Facility: In addition to community based programs, the Boone County Landfill operates a Yard Waste Processing Facility for yard waste generated through routine yard maintenance. This facility is open to anyone located within the Landfill's primary service area. Please note that due to the facilities limited area, it does not accept land clearing waste. The facility does not accept: landscape timbers, construction/demolition waste, wire, bricks, stone/rock, lattice, lumber, uncut trees, stumps, animal bedding, baled hay/straw, plastic, paper, litter or other types of garbage.

The Yard Waste Processing Facility of the BCL is generally open from March 1st through November 30th each year. Hours of operation are:
8:00 a.m. to 3:00 p.m. Monday - Friday
8:00 a.m. to 11:00 a.m. on Saturdays
During closed months, give us a call

for facility availability.

"Free Yard-Waste Days" are offered in the spring and fall of each year. During these events, customers from the Landfill's primary service area can deliver yard waste to the BCL at no charge. Watch for advertisements in your local paper or call the BCL for more information.

City of Ames/Story County: The City of Ames operates a yard waste composting facility. For more information contact the Ames Resource Recovery Plant at 515.239.5137.

Yard Waste Disposal Alternative: Yard waste need not ever leave your yard! Some alternatives include mulching grass clippings, chipping brush and leaves or better yet -- composting yard waste in your own back-yard.

By home-composting you can eliminate the cost of disposal and create a useful soil-like product for use in your garden, flower beds and/or landscaping. Compost can even help with soil erosion and help protect plants through hot/dry and cold/dry conditions!

BCL staff can help you if you have questions about home-composting. A "Composting for Success" pamphlet is available free-of-charge. Just call 515.433.0591.

Christmas Tree Recycling

Each year the Boone County Conservation Board, Boone county municipalities, and the Boone County Landfill work together to provide the TreeCycle program for the recycling of Christmas trees. The program runs for two-three weeks each January. Actual dates and drop-off locations are announced in area newspapers.

The TreeCycle program accepts only clean Christmas Trees. All ornaments, lights, tinsel, bags and tree

stands must be removed.) All Christmas trees collected through the TreeCycle program will be recycled (chipped/mulched) and utilized in county and city parks located in Boone County.

If residents have questions about the TreeCycle program they are encouraged to call the Boone County Landfill at (515) 433-0591 between 8:00 a.m. to 4:00 p.m. Monday through Friday and between 8:00 a.m. and 11:00 a.m. on Saturday.



Appliances

State law prohibits the landfill disposal of discarded appliances due to the fact that they may contain hazardous material such as Freon, PCBs and/or mercury.

What is considered an appliance?

For the purpose of proper disposal, "appliances" are devices such as: refrigerators, freezers, kitchen ranges, air conditioning units, dehumidifiers, gas water heaters, furnaces, clothes washers, clothes dryers, dishwashers, garbage disposals, trash compactors, microwave ovens, commercial coolers, etc.

What do I do to properly dispose of my appliances?

Dealers: When you purchase a new appliance, check to see if your dealer will take your old appliance. This may save you money as well as the effort of bringing your old appliance to the BCL!

Solid Waste Haulers: You can contact your solid waste hauler. Many haulers provide a pick-up service for bulky items such as appliances. They will charge you a fee that covers the additional collection and disposal cost.

Rose Construction: This company provides removal and collection services for old appliances. They will charge you a fee that covers the additional collection and disposal cost. For more information call 515.230.1585.

Landfill: The BCL accepts used ap-

pliances (i.e., refrigerators, stoves, air conditioners, de-humidifiers, microwaves, etc.) and ensures that they are properly recycled. The BCL charges for each appliance delivered to the landfill. Appliances delivered to the Landfill must comply with the Covered Load Policy and originate from within the Landfill's primary service area.

City of Ames/Story County: The Ames Resource Recovery Plant can provide you with information about used appliance disposal. They can be reached at 515.239.5137.

Salvage Yards: Check area salvage yards. Wisecup Salvage: 515-231-2650 or 515-275-4306; Pickett Salvage: 515-846-6444; AB Salvage: 515-432-9995

What happens to properly discarded appliances? Discarded appliances, when properly disposed, are dismantled by trained professionals. They properly and safely remove refrigerants, PCB capacitors and mercury. These hazardous materials are then disposed/recycled in accordance with Federal regulations. The steel carcass is then recycled.



Closing the Recycling Loop

Real and Perceived Barriers to Using Recycled-Content Products

Attitudes towards recycled-content products are changing. Yet some people still have concerns about using them. Some of these concerns are real, but many are no longer true today.

Quality

Over the past several years, the quality of products containing recycled-content has increased. For example, the federal government permits recycled plastic in certain food and beverage containers because quality and cleanliness questions have been answered. For most people, recycled-content copy paper is indistinguishable from paper made with virgin fibers. While quality has improved, the cost of recycled-content products has generally fallen. Despite these gains, attitudes about recycled-content goods vary. At one extreme, some believe that the quality of recycled-content products is inferior to those made from virgin materials. On the opposite side are those who believe the quality of recycled-content goods is superior to non-recycled ones. Indeed, the latter view has become so popular that, to increase sales, many marketing campaigns emphasize the recycled-content of products.

What should you believe? If you have concerns, get some samples of the product you are considering and try them. Remember, for any product, including those made from virgin materials, quality varies between sources. Try to get samples from different com-

panies. That will most likely ensure the best results.

Reliability

As for how recycled-content paper compares to that made from virgin fibers, one printer who deals with recycled-content and virgin fiber papers stated, "We find no difference at all. Period." When asked about anecdotal stories from service technicians that claim recycled paper jams machines, the printer noted that, "They (service technicians) will tell you anything except that the machine is broken." The printer added, "We've had zero problems with recycled paper."

Cost

Prices for recycled-content products have fallen in the past few years. In many cases, they are comparable to prices paid for products made from virgin materials. Like all things, if you are willing to shop around, you can always find the product you want at the right price.



The Importance of Buying "Recycled-Content" Products

Buying recycled-content products promotes recycling. If recycled-content products aren't bought, markets for recyclable materials dry up. And without markets, recycling declines. That's why we often refer to buying recycled-content products as "closing the recycling loop." The issue of "buying recycled" is especially important for local governments and organizations that have established successful recycling programs.

Not all recycled-content products, however, are the same. Some have higher levels of recycled material than others. Look on the product label to see if it describes what percentage comes from recycled material. The higher the percentage, the better for promoting re-

cycling markets. But it is also important to consider the source of the recycled material as well. Some products are made from post-consumer discards while others are made from scraps that are recycled in the plant. Both types of recycling are important, but post-consumer content helps create markets for the materials your organization collects for recycling. Where possible, choose products with both the highest overall recycled content and the most post-consumer content.

It takes fewer resources to make paper from recycled material: 1 ton of recycled newsprint saves 17 trees, 1 ton of recycled office paper saves 117 trees, and 1 ton of recycled cardboard saves 165 trees.

Want More Information?

If you or your community or organization are interested in either developing a recycled-content procurement policy or exploring your recycled-content product purchasing options, the Boone County Landfill offers the following services and resources:

MODEL RECYCLED-CONTENT PROCUREMENT POLICIES:

The Boone County Landfill can provide your community or organization with a Model Procurement Policy for Recycled-Content Products. To save

you time and money, the Boone County Landfill can provide you with this Model Procurement Policy on computer disk to facilitate the development of your buying recycled policy.

THE SOLID WASTE RESOURCE CENTER (SWRC):

The Boone County Landfill, through its Solid Waste Resource Center, offers a wealth of information on recycled-content products and the many vendors that sell them.



History: The Boone County Landfill (BCL), located in the heart of Iowa, is proudly owned and operated by Boone County. The BCL not only provides sound disposal options, it is also charged with coordinating the solid waste management plan for Boone (with the exception of Sheldahl) and Greene Counties (with the exception of Jefferson) as well as certain communities in Calhoun and Dallas Counties (please refer to the insert for a detailed listing of the BCL's service area and directions on how to get to the facility.)

The BCL opened in May of 1970 as one of the very first sanitary landfills in Iowa. For the first 20 years a private contractor was hired by Boone County to operate the BCL. In 1990, daily operation of the BCL was assumed by Boone County.

Considered a leading environmental protection facility for the final disposal and management of solid waste, the BCL serves a population of 117,000 in

a service area that includes Boone, Greene and Story Counties (note: the Ames Resource Recovery Plant serves as the primary disposal facility for Ames and Story County.) The award-winning BCL has been acknowledged as one of the best operated landfills in the state of Iowa.

Since its opening many years ago, the BCL has seen many changes. New solid waste management planning guidelines, additional and more stringent federal and state regulations, and an emphasis on diverting waste have all helped to ensure that the BCL is a sound environmental resource for the population it serves - now and in the future.

Covered Load Policy: Please note that to prevent any type of waste from blowing onto area roadways and into ditches, Boone County has adopted a policy that all loads (yard waste, garbage, demolition, appliances, etc.) delivered to the Landfill must be covered with a secured tarp (even if waste is in bags or con-

tainers.) Trucks and trailers must also have a tailgate. The only exception to this policy is that brush can be securely tied instead of being tarped. Failure to comply with this covered load policy will result in a \$10.00 fine being assessed (No exceptions.) Please call the Boone County Landfill at 515.433.0591 if you have any questions.

Landfill Operating Hours: Monday - Friday: 8:00 a.m. to 3:00 p.m. and Saturday: 8:00 a.m. to 11:00 a.m. The Landfill is closed on the following observed holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day and Christmas Day.

A brochure detailing the services offered by the Landfill is available free-of-charge. To have a copy mailed to you please call the Landfill at 515-433-0591 or via email at info@boonelandfill.org.

**WASTE ACCEPTED
AND LANDFILLED:**

- Residential Garbage
- Commercial/Workplace Garbage
- Construction & Demolition Waste
(i.e., wood, shingles, rubble, etc.)
- Asbestos (by appointment)

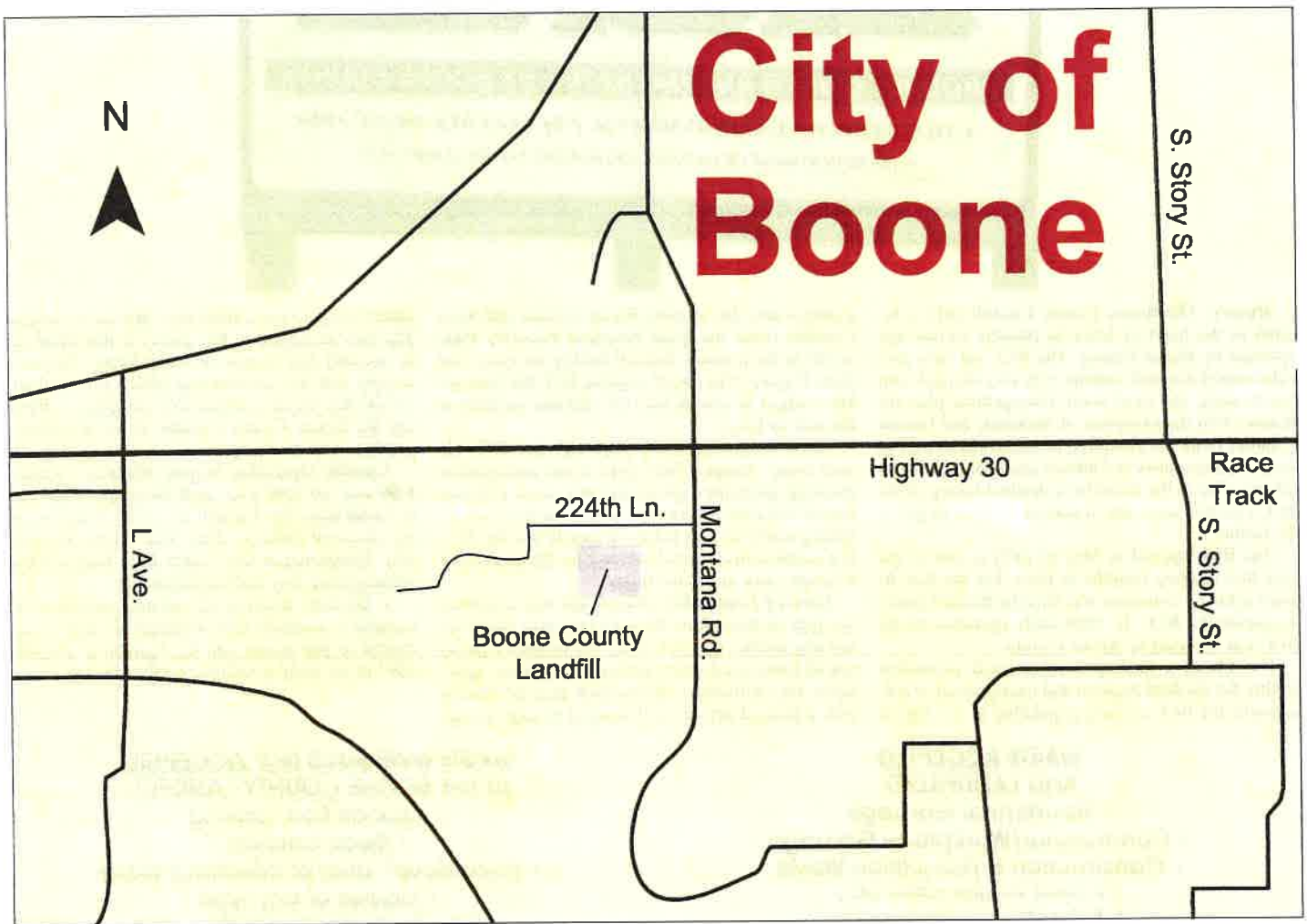
**WASTE MATERIALS NOT ACCEPTED
AT THE BOONE COUNTY LANDFILL:**

- Asphalt from paving
- Dead animals
- Hazardous* and/or infectious waste
- Liquids of any type
- Petroleum contaminated soils

*Except in specified programs.

Directions To The Boone County Landfill

The Boone County Landfill is located just west of Boone off of U.S. 30. Turn south at the intersection of Montana Road and U.S. 30 (1.7 miles west of the four-way stop in Boone) and go 1/4 mile to 224th Lane. Turn right on 224th Lane and go 1/4 mile to the entrance to the landfill.



Boone County Landfill Commercial Shingle Recycling

Business, Condos, Apartments & Four Plex: Shingles from commercial buildings (anything over a four-plex) are required to have asbestos testing prior to recycling.

Test a core sample: Iowa Environmental Services can test a core sample from the roof for \$25. Call 515-279-8042 and ask for Jeff or Rich. (*You can use someone different if you prefer.*)

Send results: Once results are received, fax or

email them to: Boone County Landfill, Fax: 515-433-0545 or Email: info@boonelandfill.org.

Review Guidelines: Review the recycling guidelines with your staff to understand what qualifies for the program. As you demolish the roof, put a tarp down to sort metal, wood and trash. Place these over the shingles, tarp the load and transport to the landfill.

Fill out certification form ahead of time: To assist your drivers, fill out the certification form ahead of time. You only need to provide company name, address, phone and contact name, along with residential address of project.

Call 515-433-0591 or visit www.boonecounty.iowa.gov/landfill to download an English or Spanish form.

Shingle Recycling Guidelines

Clean & Accepted

Clean asphalt shingles CAN INCLUDE:

- Nails
- Felt Paper
- Tar Paper

Do-It-Yourself

You can sort shingles after unloading them. Containers are provided to separate scrap metal and trash from the shingles.

Not Accepted

- Wood - pallets, Woodshake shingles,
- Metal - flashing, gutters, plumbing stacks,
- Plastic or vinyl - vents, gutters, buckets, plastic packaging,
- Paper waste, Mastic or plastic roofing cement,
- Rolled roofing materials (excess felt),
- Other garbage, trash or dirt, Nail coils



Boone County Landfill Schedule of Fees

(Effective July 1, 2015)

User Type:	Uncovered Load Fee:	MSW (Garbage)	Construction /Demolition	Asbestos (Note 1)	Yard Waste*	Appliances*	Tires*
Per Capita	\$10.00	\$31.00 per ton	\$31.00 per ton	\$93.00 per ton	\$31.00 per ton	\$10.00 each	See below schedule
Minimum Charge	N/A	\$7.75 (500 pounds or less)	\$7.75 (500 pounds or less)	\$23.25 (500 pounds or less)	\$7.75 (500 pounds or less)	Not Applicable	Not Applicable
Non Per Capita	\$10.00 (Residential Use Cars & Pickups) - OR - \$100.00 (Applies only to all other vehicles with C&D)	\$45.50 per ton (Requires voucher from Ames)	\$62.00 per ton	\$93.00 per ton	Not Accepted*	Not Accepted*	Not Accepted*
Minimum Charge	N/A	\$22.75 (1,000 pounds or less)	\$31.00 (1,000 pounds or less)	\$23.50 (500 pounds or less)	Not Applicable	Not Applicable	Not Applicable

Note 1: Asbestos disposal requires an appointment. For residential and commercial structures that have been destroyed by either fire or natural disaster and which must be disposed of as ACM waste in their entirety, the loads must be delivered in bulk and properly packaged. For this type of ACM waste delivered to, and accepted by, the Boone County Landfill shall be charged a per ton fee of \$62.00 if a prior written request is submitted to, and approved by, the Landfill Administrator. A minimum fee of \$15.50 will apply to each load of this type of ACM waste.

* These items must originate from within the Landfill's Per Capita service area.

Per Capita Users Tire Recycling Fee Schedule:

Tire Size:	Off-Rim:	On-Rim:
Car & Light Truck:	\$3.00 Each	\$4.00 Each
Large Truck/Semi:	\$6.75 Each	\$7.75 Each
Tractor Tires (size restrictions apply):	\$16.00 Each	\$17.00 Each

Per Capita Users include residents and businesses located in: Boone County (except Sheldahl); Greene County (except the City of Jefferson); the Cities of Bouton, Granger and Woodward in Dallas County; and the Cities of Farnhamville, Lohrville and Somers in Calhoun County.

Non-Per Capita Users include residents and businesses located in Story County. Non-Per Capita Users must first call the Landfill at (515) 433-0591 to receive authorization *prior* to delivering a load. Authorization will only be given if the load is rejected by the Ames Resource Recovery Plant in Story County. This does not apply to construction & demolition waste.

Note: Credit cards accepted with fee.



Construction & Demolition Waste

Originating from Story County, Iowa

With the closure of the Ames/Story Environmental Construction and Demolition Landfill in Ames, The Boone County Landfill is now the designated landfill for this type of waste originating from Story County (except Collins and Sheldahl.) Since the Landfill is the secondary disposal facility for Story County waste after the Resource Recovery Plant in Ames, the Boone County Landfill will only accept materials that cannot otherwise be handled in Story County.

Boone County has established the following acceptance protocols for construction & demolition waste originating from the Landfill's secondary service area (Story County.) Failure to follow these protocols will result in loads being rejected until such time as the load can be brought into compliance. Rejection of loads for not following this policy does not constitute authorization to take waste out of the planning area. Rather, loads must be brought into compliance to permit disposal at the Boone County Landfill.

Large-Scale Demolition Waste Acceptance: The current Boone County Landfill Large-Scale Demolition Waste Acceptance Policy will also apply to Story County C&D. This pertains to

demolition projects over 300 tons in scope. These projects must comply with this policy.

Acceptable C&D Materials: C&D materials that will be accepted (unless otherwise prohibited by the Large-Scale Demolition Waste Acceptance Policy*):

Wood	Drywall
Plaster	Asphalt shingles
Metal*	Windows
Flooring	Carpet
Siding	Wiring*
Brick*	Stone*
Concrete*	Paper
Couches	Insulation
Fiberglass Insulation	Mattresses
Glass	Pallets
Hot Tubs	

Materials that Cannot Be Mixed with Story County C&D Loads: The following materials will NOT be accepted in Story County C&D loads delivered to the Boone County Landfill. Please contact the Ames Resource Recovery Plant for instructions on how to properly dispose of these materials:

Free liquids	Yard waste
Brush	Land clearing waste
Soil	Tires
Appliances	Car batteries
Paint cans	Sod
Household Hazardous Waste	

Asbestos Containing Materials: Asbestos containing materials can be

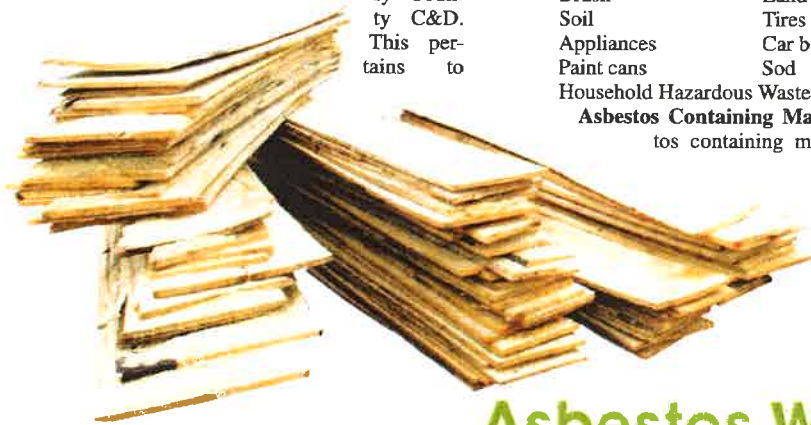
disposed of at the Boone County Landfill in accordance with the Landfill's Asbestos Acceptance Policy.

Mobile Homes from Story County: Mobile homes will be accepted provided all nonacceptable materials are removed prior to demolition or delivery to the landfill. Mobile homes can be delivered via flatbed trailer (non-demolished) or in dump trucks or roll-off containers if demolished. Mobile homes towed on their own chassis will not be accepted.

Waste Origin Declaration: The declaring of any waste originating from Story County (or outside the planning area) as coming from within the landfill's primary service area is strictly prohibited. Making a false waste origin declaration will result in Boone County pursuing all available legal options for redress. It will also result in termination of credit privileges for customers that have established charge accounts with the landfill.

Covered Load Requirements for Story County C&D: All loads covered by this policy must be securely tarped.

- Standard pickup size load or smaller: A \$10.00 uncovered load fee will be assessed.
- Any vehicle or trailer larger than a pickup: A \$100.00 uncovered load fee will be assessed.
- Large Scale Demolition Waste Projects: All loads must be covered or load/truck will be rejected for one business day.



Asbestos Waste

Waste containing asbestos is a highly regulated material. Do-it-yourselfers should educate themselves about the dangers of handling this type of waste.

An asbestos abatement letter is required for all

properties demolished, not just businesses. This letter should state that the property either did not contain asbestos or that it was completely removed. This rule also pertains to the Boone County Landfill service area.

A brochure on asbestos, published by the State of Iowa, is available free-of-charge from the Boone County Landfill. To request this brochure, please contact the landfill at 515.433.0591 or via email at info@boonelandfill.org.

Household Hazardous Waste

Both the Boone County Landfill and the City of Ames Resource Recovery Plant have partnered with Metro Waste Authority in Des Moines to provide an extensive program for hazardous waste. Metro Waste Authority operates a Regional Collection Center (RCC) in Bondurant, Iowa. Brochures detailing this program are available free-of-charge from the Boone County Landfill by calling 515.433.0591.

Household Hazardous Waste: There are three different options available to residents seeking to properly dispose of the household hazardous waste (paints, oils, pesticides and solvents). They include:

Clean-Up Crew Events: These are mobile collection events held throughout the warmer months of the year. Residents can bring paints (no latex), pesticides, solvents and cleaners free-of-charge to these events. The schedule of events is posted on the Landfill's web page or you can call 515.433.0591 or the City of Ames at 515.239.5137.



Satellite: The Boone County Landfill operates a satellite collection center for household hazardous waste. This program is available to people moving out or into a home as well as for estate clean-outs. This program is operated on an appointment only basis. For more information please call the Landfill at 515.433.0591.

The City of Ames Resource Recovery Plant also operates a satellite collection center. For more information on their program please call 515.239.5137.

Regional Collection Center: The RCC in Bondurant is also open to the public to drop-off household hazardous waste. In addition, the RCC operates the SWAP SHOP which offers usable items. For more information please call the RCC at 1.888.603.CREW (2739).

What happens to the hazardous waste collected? The waste collected through the above programs is either reused, recycled, or disposed of at out-of-state facilities specifically designed to handle hazardous waste.

Latex & Oil-Based Products

WHAT TO DO WITH LATEX-BASED PRODUCTS: Latex paint and other latex products are **NOT** household hazardous materials.

You can dispose of them in your regular trash after drying them properly.

INSTRUCTIONS

1. Open can with leftover paint in a well-ventilated area.
2. Place kitty litter in paint
3. Stir occasionally with paint stick.
4. Sit back and watch (optional), or attend to another task while the paint dries.

WHAT TO DO WITH OIL-BASED PAINTS, STAINS AND VARNISHES: What are oil-based or alkyd paints, stains and varnishes? These products contain hazardous solvents that are used to keep the paint in a liquid state. They may also contain toxic metals such as lead, mercury and cadmium. The containers usually say they are

“combustible”, and should be cleaned up with mineral spirits or paint thinner. Oil-based paint products are classified as hazardous because they are ignitable and contain harmful, toxic chemicals.

What can I do with unwanted oil-based paints, stains and varnishes?

If oil-based products cannot be used or given away, bring them to Metro Waste Authority's Regional Collection Center (1-888-603-2739) or to a Household Hazardous Waste clean up event for proper disposal.

Alternatives: Try Latex Instead: Latex paint, stains, and varnishes provide a safer alternative to oil-based products.

Waste Reduction Tip: Store paint properly. Keep in a dry area and place lid on tightly to keep air out. Properly handled, oil-based paint has a shelf life of almost 15 years!



Regional Collection Center Business Hazardous Waste Program

Businesses are not permitted to participate in "Clean Up Crew" events. The Regional Collection Center (RCC) accepts hazardous waste from any business that generates no more than 200 pounds per month, or about 25 gallons. Under federal regulations, these businesses are called Conditionally Exempt Small Quantity Generators (CESQGs).

CESQGS must follow certain rules:

- They must identify all hazardous waste they generate.

- They must send this waste to a designated hazardous waste or recycling facility (such as the RCC).

- They must never accumulate more than 2,200 pounds of hazardous waste on their property at any time.

The RCC accepts quantities of hazardous waste **up to 20 gallons per visit**, but containers larger than 5 gallons (including 55-gallon drums) cannot be

accepted.

If a business thinks it may qualify as a CESQG, contact the RCC at 515/967-5512 or 1-888-603-CREW to request a registration packet.

After the business completes the certification form and hazardous waste inventory, the RCC will review the information and furnish an exact price quotation. RCC staff will also set up an appointment for delivery of the waste.

While the RCC, and the "Clean Up Crew," do not charge residents for their services, there is a fee for businesses, based on the amount and type of hazardous waste they bring to the facility.

FOR MORE INFORMATION ON THE RCC BUSINESS PROGRAM CONTACT THE RCC AT 515/967-5512 OR AT 1-888-603-CREW



Boone County Landfill Business Hazardous Waste Program

The Boone County Landfill can help make your business safer and more cost-effective. The new Business Program offers help in the proper identification, storage, and disposal of hazardous materials. This can reduce your liability and potential danger to your customers and employees. Most businesses see a 40 percent savings in hazardous waste management costs!

Businesses in Boone County that produce 200 pounds (about 25 gallons) of hazardous waste or less per month are eligible. Under federal regulations, these businesses are termed Conditionally Exempt Small Quantity Generators (CESQG).

Accepted materials: Aerosol cans, acids/bases, rechargeable batteries, corrosive cleaners, fertilizers, floor care products, fluorescent bulbs, gasoline and kerosene, oil based paints and stains, oven cleaner, paint thinner and remover, petroleum based adhesives, pesti-

cides, poison, pool chemicals, roofing tar, rust removers, and other hazardous materials.

Non-accepted materials with this program: Ammunition/explosives, asbestos, radioactive materials, fire extinguishers, non-hazardous waste, empty containers, propane tanks, and scrap tires.

Call 515.433.0591 to learn more about the hazardous waste management program for businesses.



Home Generated Medical Waste

Did you know that items such as needles, syringes, other sharp objects and soiled bandages pose a serious risk to garbage haulers and landfill customers and employees?

MAIL DISPOSAL SERVICES FOR HOME GENERATED MEDICAL WASTE: Did you know that there are mail disposal services to help you properly dispose of items such as needles, syringes, other sharp objects and soiled bandages?

How do these systems work? You simply make arrangements with a private company that provides this type

of service. You prepay them for an approved medical waste disposal container which they then send to your home or office. You then follow the enclosed instructions, fill the container, enclose payment for your next container (if needed) and mail the container to a specified treatment facility. The container and its contents are then properly treated and disposed of and a certificate of destruction is mailed to you along with your new disposal container.

You can contact the Boone County Landfill for more information.

Safe Sharps Disposal

What are "Sharps"? Sharps are needles, syringes, with attached needles, and disposable lancets used by medical patients to treat conditions such as diabetes, allergies, cancer, etc. Farmers also use needles or syringes to inject livestock.

Why are sharps a danger? Improperly discarded sharps can injure garbage collectors, recycling workers and landfill employees and customers. Accidental needle sticks from carelessly discarded sharps can transmit deadly diseases, such as Hepatitis B, HIV (the virus that may lead to AIDS), and tetanus.

Proper Sharps Disposal: Use a specifically designed sharps disposal container. These containers may be purchased at most pharmacies for just a few dollars and are designed to protect yourself and anyone else who might come into contact with the container. Your doctor or veterinarian may also provide them. The advantages of using a sharps container are that they are leakproof, rigid and puncture resistant. A variety of sizes are available which can hold from 30 to 300 used sharps.

You may also use a heavy plastic bottle with a screw top lid (i.e., detergent bottles). **DO NOT USE** milk jugs, soda bottles or coffee cans.

Never put a sharps container in the garbage or recycling bin. Dispose of a sharps container only through a qualified medical or hazardous waste management facility. Any other disposal option may cause an injury to a family member, collection worker, landfill personnel or customers or even a pet. Although sharps containers are of a rigid design, they cannot hold up to the compaction forces of a modern garbage truck or landfill compaction equipment.

How do I dispose of Sharps? You may dispose of sharps at the Boone County Landfill's satellite household hazardous waste collection facility. The facility will accept sharps containers during the landfill's normal operating hours. Please call 515.433.0591 for more information.

A waste handler's greatest fear is being stuck by a needle in the garbage or recycling bin.



Environmental Awareness



Keep Boone County Beautiful - Keep Boone County Beautiful, an affiliate of Keep Iowa Beautiful, is sponsored by the Boone County Landfill. Its Mission is to protect and preserve the beauty and quality of life through partnerships between citizens, businesses, neighborhoods and government. Its goal is a cleaner and more beautiful county.

Keep Boone County Beautiful partners with individuals, groups, businesses and local governments to maintain and enhance the beauty of Boone County, Iowa.

KBCB's efforts focus on Litter Awareness and Prevention, Beautification, Waste Reduction and Recycling, and Water Quality.

Dragoon River Romp -The Dragoon River Romp is an annual clean up event on and around the Des Moines River in Boone County. The Des Moines River has significant historic relevance and is a major recreational area in Boone County. Our goal is not only to clean up these areas but to educate our volunteers about the importance of taking care of this great resource. The event is typically held in September each year.



Environmental Education -The Environmental Ed-

ucation Program invites teachers, students, parents, businesses, boy/girl scout groups, other agencies and all ages to join us for hands-on lessons in natural science, resource management and ecology awareness in Boone County. Our programs are designed to involve and excite students in and about our environment. Participants will discover, investigate and explore the wonders of our world...And have fun at the same time! We strive for a fun and educational experience! To schedule a program for your class or group please call the Boone County Landfill at 515-433-0591 from 7:30am - 4:00pm.

For more information check out the KBCB web page: www.boonecounty.iowa.gov. To get involved, call: 515.433.0591; or via email at kbcb@boonecounty.iowa.gov.

Keep Iowa Beautiful - Among its activities,



Keep Iowa Beautiful works to:

- assist communities and organizations in cleanup and beautification projects
- conduct studies that help to understand the reasons some people litter and show a lack of respect for land and property
- provide anti-littering and beautification education programs
- increase public awareness of the costs of littering
- encourage regional groups and communities to become Keep Iowa Beautiful affiliates. KIB is an affil-

ate of Keep America Beautiful.

For more information check out the KIB web page: www.KeepIowaBeautiful.com. To get involved, call: 515.323.6507; or via email at gschnepf@keepiowabeautiful.com.



Keep America Beautiful - Keep America Beautiful is one of America's oldest environmental organizations. They assist communities in developing litter prevention, beautification and waste reduction programs. For more information check out the KAB web page: www.kab.org. **Boone County Conservation** - Boone County Conservation Board encourages you to explore all of the hidden treasures found throughout the six different parks and wildlife areas. Each of these unique areas has something wonderful to offer the public. From trekking through prairies and oak savannas to picnicking, fishing, and even golfing, we hope that you will immerse yourself in all that our wild areas have to offer. Contact: 515-353-4237 or <http://www.boonecounty.iowa.gov/conservation>

Keepers of the Land - The purpose of the Keepers of the Land Volunteer program is to provide support for successful programs, and to develop new opportunities for volunteers. Local, state and federal agencies simply can't do all the work that needs to be done, so we rely on you - the public - to help. Visit <http://www.iowadnr.gov/volunteer/index.html>

Keep Boone County Healthy Program

The Boone County Landfill is one of the partnering agencies in the Keep Boone County Healthy (KBCH) program. KCBH is a voluntary program that seeks to educate residents about ways to improve and protect their home living environment. There are two facets to the KBCH program.

First, the educational facet consists of seminars, given on the National Healthy Homes Program seven key topic areas, plus additional topics relating to

upkeep, maintenance and improvement of your home and property. These free seminars are scheduled to be held throughout the county in Boone, Ogden, Madrid, and Pilot Mound. Residents who complete the course of seminars are eligible to be recognized as a Keep Boone County Healthy Graduate Scholar.

Secondly, the KBCH program conducts voluntary home inspections for persons who have health problems that could be improved by bettering the living

environment in their home. People living in homes considered substandard or having substantial problems would also be considered for enrollment in this part of the program. In order to enroll in the KBCH program, a referral is required from a health care provider or a public service agency.

For more information on the Keep Boone County Healthy program, contact the Boone County Sanitarian at 515-433-4964.

Service Providers & Information Resources Guide

Adopt-A-County Road, Adopt-Your-Favorite-Place, Adopt-A-City-Street

Boone County and the City of Boone work together to Keep Boone County Beautiful

There are three programs that provide volunteers the opportunity to help Keep Boone County Beautiful. Boone County sponsors the Adopt-A-County Road program, the Adopt-Your-Favorite-Place Program, and the City of Boone sponsors the Adopt-A-City Street program. Both the County and City believe that these programs will help keep area roadways cleaner as well as raise awareness about the need to prevent litter.

The County Road program is coordinated and managed by Keep Boone County Beautiful with help from the Boone County Engineer's office. KBCB handles volunteer training, scheduling and the collection of the litter collected by the volunteers. Keep Boone County Beautiful (sponsored by the Boone County Landfill) provides funding for signage and supplies. The Boone County Engineer's office specifies eligible adoption sites and arranges for sign placement.

A number of eligible sites remain available for adoption throughout Boone County. All sites are located alongside paved roads and have a minimum of a six foot wide shoulder. The County supplies necessary training and supplies. A map of the sites available can be viewed on the County website at www.county.boone.ia.us. Click on the Keep Boone County Beautiful site then click on Adopt-A-Road then See the Map.

Several county recreational areas have been adopted through Adopt-Your-Favorite-Place. Already adopted are county boat ramps and a county trail.

For more information about the Adopt-A-County Road and Adopt-Your-Favorite-Place programs, please contact Keep Boone County Beautiful at 515.433.0591.

Boone's Adopt-A-City Street information can be obtained from the City Administrator at 515-432-4211.

Illegal Dumping

How Illegal Dumping Affects the Community

Illegal Dumping Is Harmful:

- Illegal dumping endangers public health by spreading disease and creating havens for disease carrying pests.
- Illegal dumping poses a serious injury risk to public employees who clean up the dumped materials (i.e., cuts, sprains, broken bones.)
- Illegal dumping harms the environment and wildlife.
- Illegal dumping negatively impacts the natural beauty of Boone County.

We don't like to think about it. We would like to ignore it. We can't afford to any longer!

Illegal Dumping Affects All Of Us:

- In 2003 Boone County Secondary Roads spent \$80,000 cleaning up illegal dump sites.
- This amount is 33 times what proper disposal would have cost the people who actually did the illegal dumping.
- Who paid the cleanup bill?

The Taxpayers.

In other words: All of US!

Website Resources

Check out these online resources for more information:

Boone County. Boone County's website, www.boonecounty.iowa.gov, provides information about all County Departments including:

Boone County Landfill
(schedule of events)

Boone County Conservation
Boone County Health & Sanitation
Keep Boone County Beautiful

Boone, Iowa. This website, sponsored by the City of Boone and the Boone Area Chamber of Commerce, provides information on Boone, Iowa:
www.booneiowa.com

Ogden, Iowa: www.ogdeniowa.net
Iowa Society of Solid Waste Operations. ISOSWO is the Iowa chapter of the Solid Waste Association

of North America. It is a professional organization serving solid waste management professionals in Iowa.

ISOSWO's website provides information on the solid waste management industry. www.isoswo.org

Iowa Recycling Association. The Iowa Recycling Association is the leading trade association for the recycling industry in Iowa:

www.iowarecycling.org

IDNR Waste Management:

www.iowadnr/waste/index.html

Keep Iowa Beautiful:

www.keeplowabeautiful.com

Iowa Association of Naturalists:

www.iowanaturalists.org

Publications

The Boone County Landfill has a number of publications available "free-of-charge" to area residents and businesses. These include:



See inside back page for publications ordering information.

Educational Outreach

The Boone County Landfill provides a number of educational outreach opportunities:

Public Speaking Topics. Landfill staff are available to speak on the following topics: Solid Waste Management, Landfill operations, residential recycling, commercial recycling, household hazardous waste, yard waste composting, used tire management programs, and the Keep Boone County Beautiful program. Programs can be tailored to meet the needs of your orga-

nization.

Landfill Tours: The Landfill provides tours (by prior appointment) for schools and other organizations. To inquire about scheduling a landfill tour, please call 515.433.0591.

Environmental Education Coordinator Conducted Programs. See Environmental Awareness, page 17.

Solid Waste & Recycling Service Providers

There are a number of solid waste and recycling service companies that provide collection services in the Boone County Landfill's primary service area.

Please note that collection programs/options/availability vary by company.

Service Codes: (1) Garbage Collection; (2) Residential Recycling; (3) Commercial Recycling; (4) Yard Waste Collection; (5) Roll Off Services.

For information on Solid Waste & Recycling Service Providers that serve Ames and Story County please consult your local telephone directory or call

the Ames Resource Recovery Plant at 515.239.5137.

NOTE: The listing of the below companies does not in any manner represent an endorsement by the Boone County Landfill. These companies are listed for informational purposes only. Any omissions are unintentional.

Company:	Telephone Number:	Office Location:	Services:
Tom Walters Company	515.432.3286	Boone	1, 2, 3, 4, 5
Walters Sanitary Service	515.432.2866	Boone	1, 2, 3, 4, 5
Waste Management (Freel)	1.800.427.4587	Ames	1, 2, 3, 4, 5
Wisecup Trucking	515.231.2650	Ogden	5
Miner	515.208.5014	Granger	5
Mobley Sanitation	712.652.3987	Scranton	1
Jensen Sanitation	641.747.3396	Guthrie Center	1
Mills Sanitation	888.680.8733	Exira	1, 2, 5
Genesis Development	515.386.3017	Greene County	3 (limited)
Chitty Garbage	800.541.8190	Nevada	1, 5
Carroll Refuse	712.792.0101	Carroll	1, 2, 5
Boone County Recycling Center	515.433.0591		

Want More Information?

Boone County Landfill,
1268 224th Lane, Boone, IA 50036
515.433.0591
info@boonelandfill.org
boonecounty.iowa.gov/landfill

How Can We Make This Directory Better?

The Boone County Landfill would appreciate your ideas and suggestions:

Name _____

Company _____

Address _____

City _____

State _____ Zip _____

Send to: Boone County Landfill, 1268 224th Lane, Boone, IA 50036

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HOME / NEWS



Just a normal day at Genesis Development: Ashley Coil (left) and Brandon Murphy, who oversee the recycling center at Genesis, want people to be more mindful of what they're leaving inside cardboard boxes. Increasingly, Genesis is getting stuck with plastic packing materials that can't be recycled. ANDREW MCGINN | JEFFERSON HERALD PHOTOS

A PRIME PROBLEM

Wed, 01/09/2019 - 09:18 admin1

As more people shop online, they're sticking Genesis Development with the packing materials

1/3/19 By ANDREW MCGINN

[a.mcginn@beeherald.com](mailto:amcginn@beeherald.com)

It's bad enough that Amazon and a cabal of e-commerce copycats have managed to so effectively weaken physical retail that shoppers often have no other choice than to buy from Amazon and other online stores.

But what's really astonishing is that there are so many cardboard boxes going through the recycling center in Jefferson alone at Genesis Development — many of them emblazoned with Amazon's smile-like arrow on them — that their combined weight could likely crush you to death.

Death by Prime is a real possibility considering that just one bale of recycled cardboard at Genesis on West McKinley Street weighs between 1,100 and 1,200 pounds.

One truckload to International Paper in Cedar Rapids — where corrugated cardboard from all around Greene County gets turned into the chipboard that becomes boxes for cereal and crackers — consists of 36 bales, said Brandon Murphy, recycling supervisor at Genesis.

There's always been a constant stream of cardboard boxes at Genesis, according to Murphy, but the amount of garbage left inside them is a surging problem.

"It slows us down so it looks like we're behind," Murphy said recently. "We still have to put together good, quality bales."

Having to stop and remove non-recyclable packing materials from boxes big and small — everything from foam peanuts that fly everywhere to inflatable air pillows — is becoming something of a nightmare for Murphy, who has seen a steady uptick in garbage in the four years since he started.

He wants people to be more mindful of what they're recycling, especially as the holiday season comes to a close and people look to ditch all the boxes that were delivered in December.

Wed HI 75F Lo 55F Thu HI 79F Lo 61F Fri HI 80F Lo 61F

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"Let's do it right," Murphy said.

All residential curbside recycling in Greene County — whether it's a cardboard box, a tin can or a plastic jug — flows through Genesis.

Each month, Genesis in Jefferson processes between 100,000 and 120,000 pounds of recyclables.

Genesis' recycling program diverts, on average, 721 tons a year of material from landfills.

But in order to recycle a cardboard box curbside, it has to be flattened.

Not so at Genesis' own facility, where someone can pull up at any hour of the day, pull a fully intact Amazon box out of their trunk with plastic air pillows still inside it and ditch the thing, sort of like dumping a body.

"I think people take advantage of it," Murphy said.

A large sign clearly states "no packing materials," "no pop boxes" and "no pizza boxes," among other no-nos.

"We can't do anything with it," Murphy said of packing materials like bubble wrap and foam peanuts.

The American Chemistry Council says that plastic film — including bubble wrap and deflated air pillows — has to be taken to a specially designated place for recycling, none of which happen to be in Greene County.

Plastic shopping bags can be taken to some grocery stores for recycling.

Online shoppers aren't the only problem.

People, it would seem, are unloading all types of boxes at Genesis without first looking inside.

"It's frustrating," Murphy said.

"And it can damage our equipment," added Ashley Coil, transitional employment supervisor at Genesis, which employs a mix of able-bodied workers and those with disabilities.

One time, they said, boxes containing old five-gallon containers of frosting from a local restaurant were thrown into the mix.

Genesis' new recycling baler, which it bought in 2016 with a grant from the Grow Greene County Gaming Corp., had to be cleaned of green, yellow and orange frosting.

The amount of money Genesis receives from International Paper rests on the quality of cardboard.

"They want good, clean cardboard," Coil said.

One thing is certain — there won't be a shortage of cardboard at Genesis anytime soon.

In a 2017 letter to shareholders made public in April of 2018, Amazon founder and CEO Jeff Bezos revealed that Amazon Prime had exceeded 100 million paid members globally.

Prime members receive free, unlimited two-day shipping.

The company is even offering free same-day delivery in bigger cities.

In 2017 alone, Bezos reported, Amazon shipped more than 5 billion items to its Prime members.

Individual postal carriers in Jefferson have more parcels to deliver daily than most can handle, Postmaster Pegi Erickson said.

"Some of the boxes can weigh 70 pounds," Erickson said.

With carriers unable to lug around all those boxes, or even fit them in their vehicles, all available hands at the post office in Jefferson are being used to deliver parcels, Erickson said.

"Anything that comes in," she said, "we find a way to get out."

Regular mail delivery may have been suspended Dec. 5 in tribute to former President George H.W. Bush, but in the era of Prime, even a National Day of Mourning can't stop books, electronics, toys and more from reaching their destinations.

In Jefferson and elsewhere, post offices were closed, but package delivery continued.

It was unprecedented, according to Erickson.

"We've never had the amount of parcels in recent years," she said.

"Amazon.com," she added, "has really sparked our parcel delivery."

Admittedly, when Erickson started with the postal service in 1992, she never envisioned a day when carriers would be delivering soap and diapers purchased online.

"It didn't occur to me that's the route we'd be going down," she said.

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GENERAL HOME & RECREATION SERVICES

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GLASS RECYCLING TO END NEXT MONTH IN GREENE COUNTY

Posted By: Ben Butler August 5, 2016 @ 5:34 am Today's Local News (<https://www.raccoonvalleyradio.com/category/news/>)



(<https://dehayf5mhw1h7.cloudfront.net/wp-content/uploads/sites/1074/2014/03/21111425/recycle.jpg>) Heads up for Greene County residents that participate in the recycling program.

Genesis Development Director of Services Carrie Wilde says the Greene County Recycling Agency will no longer collect glass as of September 1st. She says the company they have been giving glass to that used it for asphalt and road paving projects has closed, due to the market closing. Wilde adds that for the last ten years, they've struggled to find an end user for recycled glass, due to the amount of contamination from residential glass recovery streams, glass mills haven't been purchasing glass from their agency.



Wilde points out that this same trend is evident across the country with many large metropolitan areas closing their glass collection systems as well.

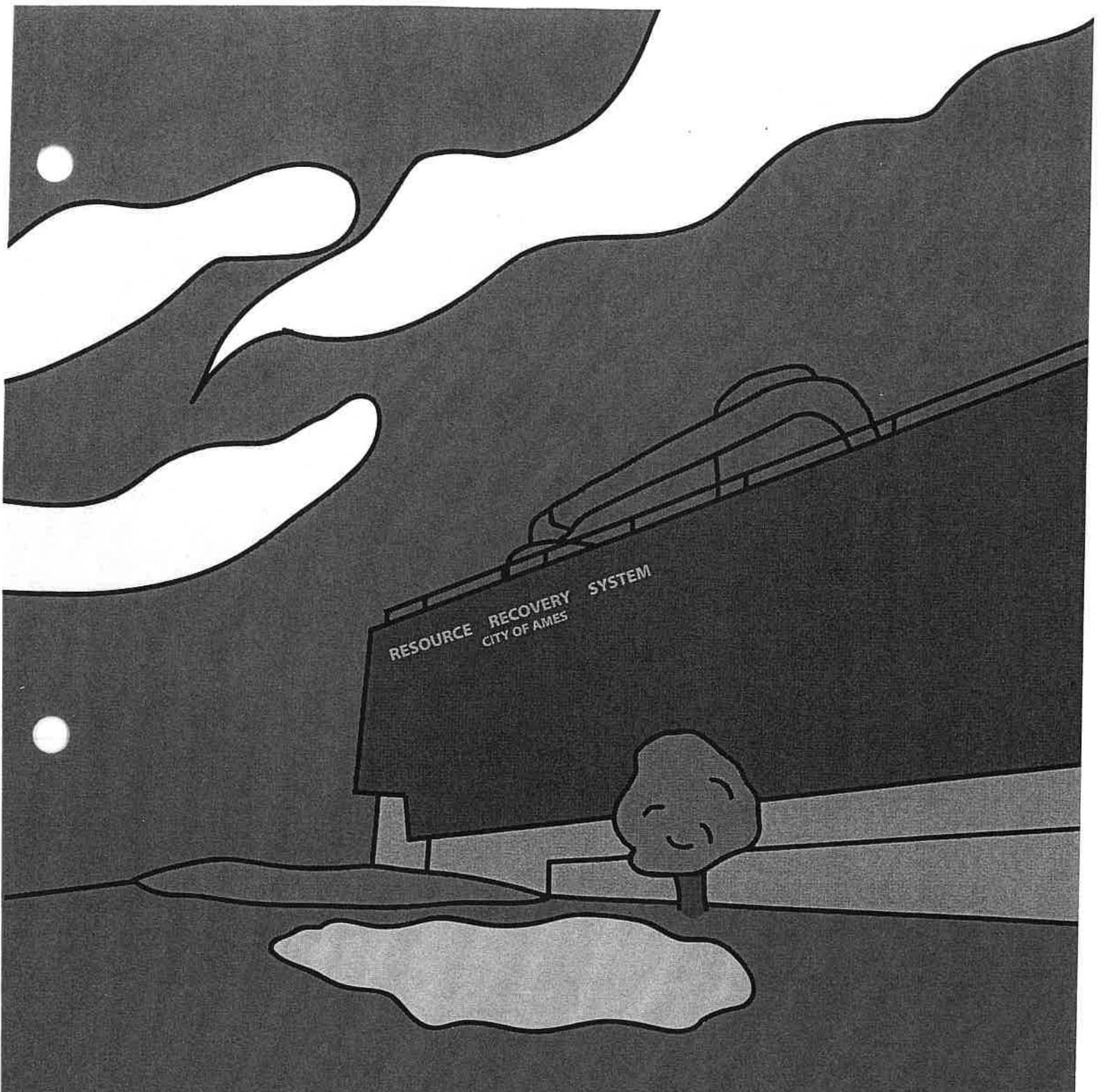
Greene County Recycling Agency will stop collecting glass on September 1st for both dropbox and curbside pick up.

< PREVIOUS STORY

Guthrie County Board of Supervisors Approve County-Wide Pavement Patching Project
(<https://www.raccoonvalleyradio.com/2016/08/05/guthrie-county-board-of-supervisors-approve-county-wide-pavement-patching-project/>)

NEXT STORY >

August Starts on a Wet Note Across the Raccoon River Valley
(<https://www.raccoonvalleyradio.com/2016/08/05/august-starts-on-a-wet-note-across-the-raccoon-river-valley/>)



RESOURCE RECOVERY SYSTEM
CITY OF AMES

**WHERE DOES
• YOUR GARBAGE GO?**



Arnold O. Chantland Resource Recovery System
110 Center Avenue • Ames, Iowa 50010
515-239-5137
M-F 7:00 am - 3:30 pm • Sat 8:00 am - 12 noon
www.cityofames.org/smarttrash



Welcome to FWD thinking!

The City of Ames is offering **FWD**, a Food Waste Diversion pilot project to help keep food waste out of the landfill. Not everyone has the space, time, or know-how to compost food, but many residents want an alternative to putting organic waste in the trash and burying it in a landfill. **FWD** offers that alternative!

Look For Us!

We will be sharing information about the **FWD Starter and Basic Packs** with you as we launch the program! Look for us on selected dates at Ames Main Street Farmers' Market and various events throughout the year. Keep an eye on:

www.CityOfAmes.org/FoodWasteDiversion

Help us spread **FWD** thinking throughout Story County and decrease the amount of organic waste sent to the landfill.

This is a 12-month pilot project, and the program may be modified based on customer input, participation, and demand. Get involved and be part of the **FWD** solution!



FWD Disposal Sites

Resource Recovery Plant

(year-round)
110 Center Ave. (disposal on the north side at 440 E. 2nd Street, Lane 1)
Mon - Fri (7am to 3:30pm)
Sat (8am to noon)

GreenRU Yard Waste Site

(Apr 1 - Dec 15)
400 Freel Drive
Mon, Wed, Friday (Noon - 5pm)
Sat (8am to noon)



For more information about **FWD**, the Food Waste Diversion pilot program:

www.CityOfAmes.org/FoodWasteDiversion

Contact the Resource Recovery Plant at 515.239.5137



FOOD WASTE DIVERSION

NEW PROGRAM!



CITY OF
Ames

Importance

The **FWD** pilot project allows participants to purchase a **FWD** starter or basic kit to use for organic waste collection. When your bucket or bag is full, you can take it to one of two sites. Dispose of your organic waste at either disposal site and use your pre-paid punch card to pay for the service. That's **FWD** thinking!

Why is Food Waste Diversion Important?

"Reducing the amount of organics we throw away is important. A tremendous amount of natural resources and energy are used to grow, process, package, and transport food," explains Bill Schmitt, Resource Recovery Plant Superintendent. "Food waste that goes to landfills takes up valuable space, and generates methane, which is a harmful greenhouse gas."

Ames has a very unique and forward-thinking system of turning trash into energy. The Resource Recovery Plant, 110 Center Ave., was the first municipally owned and operated waste-to-energy system in the nation in 1975. Garbage from most of Story County is taken to the Resource Recovery Plant for processing into refuse derived fuel (RDF) which is sent to the Ames Power Plant to generate electricity.



Fee Structure

FWD Starter Pack (\$20): 4-gallon bucket and lid, five compostable bags, a card with five punches for waste disposal, and information on how to use the program.

FWD Basic Pack (\$10):
A card with five punches and five compostable bags.



Where to Purchase

Where Can I Purchase FWD Packs?

there are three places to purchase the **FWD** Starter Pack or Basic Pack:

Resource Recovery Plant (year-round)

110 Center Ave.
Mon - Fri (7am to 3:30pm)
Sat (8am to noon)

GreenRU Yard Waste Site

(April 1 through December 15)
400 Freel Drive
Mon, Wed, Friday (Noon - 5pm)
Sat (8am to noon)

City Hall Community Center (year-round)

515 Clark Ave.
Mon - Fri (5am - 9pm)
Sat (8am - 2pm)
Sun (2 - 8pm)

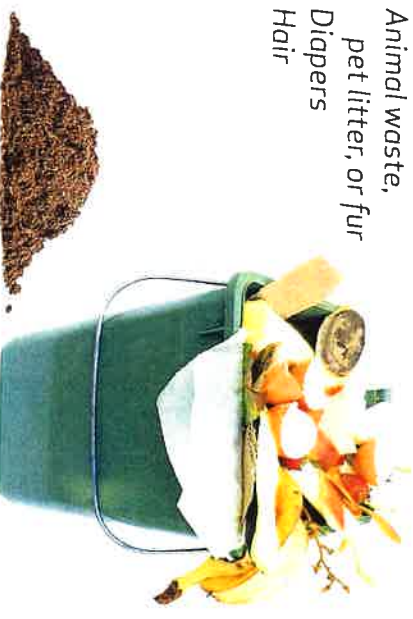
Bucket Contents

YES

- Fruit and vegetable / scraps and spoiled Meat, shellfish, fish
- Pasta, bread, cereal
- Dairy products, egg shells
- Coffee grounds & tea bags
- Candies, cookies, & cake
- Baking ingredients, herbs, spices
- Household plants including soil
- Pet food
- Floral arrangements (not artificial)
- Corn husks and cobs
- Old cereal & chips

NO

- Plastic of any kind
- Styrofoam trays and cups
- Aluminum foil
- K-cups
- Bones
- Waxed paper/cardboard
- Cooking oil and grease
- Animal waste, pet litter, or fur
- Diapers
- Hair



The Innovative Ames Resource Recovery Plant

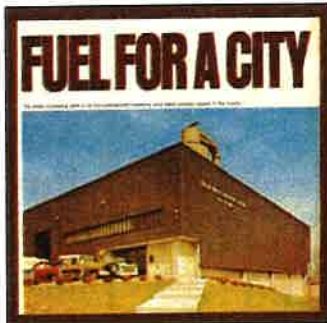
Welcome!

To our neighbors old and new, welcome to the City of Ames' Arnold O. Chantland Resource Recovery Plant! Since 1975 we have converted Story County's trash into Refuse Derived Fuel (RDF) for the Ames Power Plant. This RDF is used to generate electricity for thousands of homes each year!

Let us walk you through what we do here at the Resource Recovery Plant (RRP), and mention what you can do at home to help us create the best reusable energy possible.

Our History

- 1974 Construction begins for the first waste-to-energy plant in the United States.
- 1975 The Ames RRP begins operations.
- 1995 Major renovation to the processing line and building, RRP's 20th anniversary.
- 2009 Non-ferrous materials sorting system added to the processing line, new drum magnet.
- 2015 RRP's 40th Anniversary.



Did You Know That:

- ◆ The average person throws away 3.7 pounds of trash every day.
- ◆ We turn 65% of the trash received into fuel.
- ◆ Over a 25-year period, we processed enough refuse to fill Hilton Coliseum more than 453 times.
- ◆ We have processed over 2 million tons of trash since we opened in 1975.
- ◆ We recover enough metal to make 1,200 car bodies each year.
- ◆ We produce enough refuse-derived fuel to help heat more than 4,600 homes each year.

Your Trash = Our Energy

As our chart (on the other side of the brochure) shows, we can burn 2/3 of Story County's trash for energy. This has saved over 80 acres of Iowa farmland from becoming a landfill!

However, there is some trash that does not process well in our plant and can cause damage to our equipment and endanger our employees. Repairs due to these events prevent us from processing more trash into usable energy for you.



By keeping certain items out of the trash, you can help us keep dangerous products away from our equipment.

How You Can Help

What NOT to throw away

- | | |
|-------------------------------|---|
| Glass | Glass acts as an abrasive and erodes our equipment. If it gets to the power plant it creates slag in the boilers which is costly to remove. Visit our website for glass recycling bin locations. |
| Hazardous Household Materials | Household cleaners, pesticides, furniture polishes, auto products, flammable liquids and other potentially toxic or corrosive items must be disposed of properly. Make an appointment to bring these in for FREE! |
| Batteries | Alkaline can be thrown in the trash, all other types of batteries must be recycled; bring these in to us for free. |
| Fluorescent/LED bulbs | Fluorescent bulbs contain mercury vapor, which is released if the bulbs are broken. We'll take these and LED bulbs free for proper disposal. |
| Propane tanks | We'll take your propane tanks (25 lb or less) any time during our open hours. |
| Waste oil | We'll take up to 5 gallons no charge. |

Watch for **FREE Yard Waste Saturdays in Late April and in October, November and December!** Chamness Technologies handles yard waste for the city of Ames. Call them at (515) 450-0450 for guidelines and questions. Accepted items include:

- Grass Clipping
- Leaves
- Brush (on select days)

We Are Here For You!

Want to learn more about the Ames RRP? Find more details on our expanded tour information guide online at:

www.cityofames.org/smarttrash



Want a representative to present at your school or business? Give us a call! We will be happy to talk to you more about our great facility!

Have a Question?

Give us a call! You may contact us at:

Phone: 515-239-5137
Toll Free: 1-877-639-5661
Fax: 515-239-5490
E-mail: rrp@city.ames.ia.us

You can also stop by the plant at:

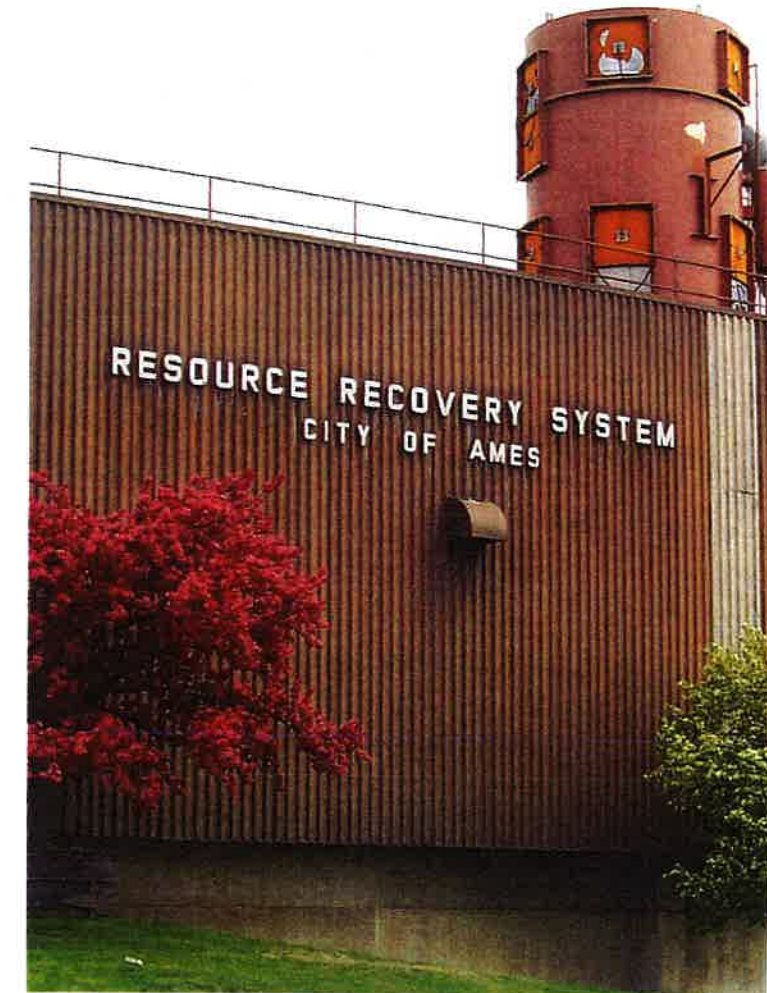
110 Center Avenue
Ames, IA 50010

Hours: Monday - Friday, 7 a.m. - 3:30 p.m.
Saturday, 8 a.m. - noon

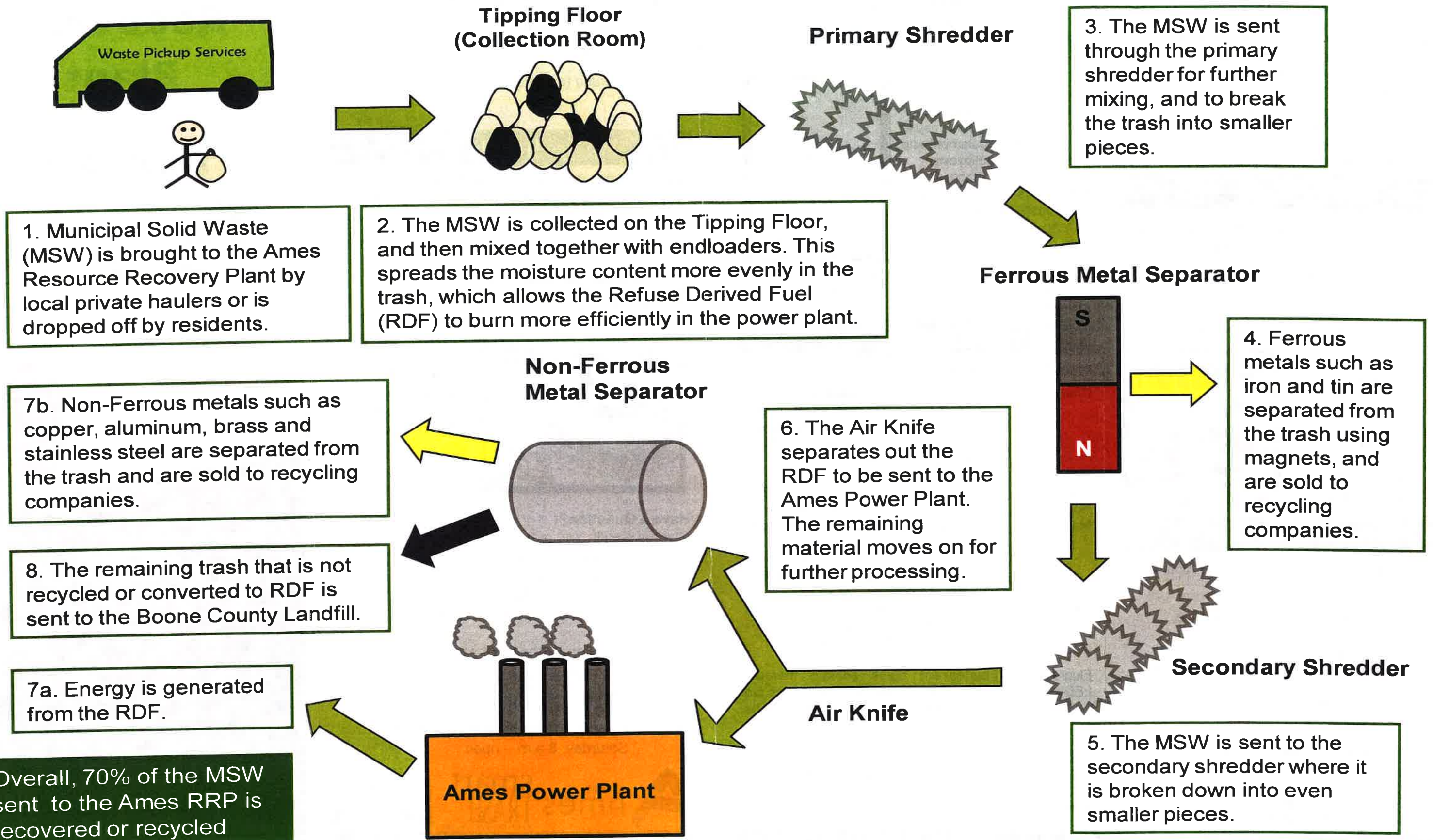


Resource Recovery Plant

Ames, Iowa



The Resource Recovery Process



APPENDIX E:

2019 Base-Year Adjustment Method Report Table

BASE-YEAR ADJUSTMENT METHOD REPORT TABLE

NAME OF PLANNING AREA: Central Iowa Solid Waste Management Association

CURRENT YEAR (CY): FY2019

BASE YEAR: FY1988

FACTORS	DATA	TIME-PERIOD / SOURCE
<i>STEP 1: Basic Information</i>		
1 Base Year Residential Waste Disposal	45,863.49	Adjusted 2014
2 Base Year Commercial/Industrial Waste Disposal	60,924.98	Adjusted 2014
3 Base Year Total Waste Disposal	106,788	Adjusted 2014
4 CY Waste Disposal	97,463	FY2019 Tonnage fee schedules
5 Base Year Population	106,909	Adjusted 2014
6 CY Population	131,216	FY2018 Census Estimate
7 Base Year Employment	45,098	Adjusted 2014
8 CY Employment	65,996.19	FY2019 Place of work
9 Base Year Taxable Sales	\$492,326,657	Adjusted 2014
10 CY Taxable Sales	\$1,342,955,840	FY2019, DRF
11 Base Year Consumer Price Index	115.8417	From last approved Plan
12 CY Consumer Price Index	253.2683	FY2019 - CPI-U
<i>STEP 2: CY Taxable Sales Corrected for Inflation</i>		
13 Inflation Correction Factor	0.4573872	
14 CY Corrected Taxable Sales	\$614,250,844	
<i>STEP 3: Base Year and Current Year Ratios</i>		
15 Population Ratio (PR)	1.2273616	
16 Employment Ratio (ER)	1.4634085	
17 Taxable Sales Ratio (TR)	1.2476490	
<i>STEP 4: Adjustment Factors</i>		
18 Base Year Commercial/Industrial Adjustment Factor	1.3555287	
19 Base Year Residential Adjustment Factor	1.2914452	
<i>STEP 5: Adjusted Base Year Disposal Tonnages</i>		
20 Base Year Adjusted Residential Waste Disposal	59,230	
21 Base Year Adjusted Commercial/Industrial Waste Disposal	82,586	
22 Base Year Adjusted Total Waste Disposal	141,816	
<i>STEP 6: Goal Progress and Reduction Percentage Results</i>		
23 CY Waste Disposal (from line #4)	97,463	
24 Maximum Allowable Disposal to Attain 25 Percent Goal	106,362	
25 Actual Tonnage Over (or Under) 25 Percent Goal	-8,899	
26 Maximum Allowable Disposal to Attain 50 Percent Goal	70,908	
27 Actual Tonnage Over (or Under) 50 Percent Goal	26,555	
28 CURRENT DISPOSAL REDUCTION (PERCENTAGE)	31.28%	

Planning Area Name:

Central Iowa Solid Waste Management Association

Planning Area Description:

All cities and the unincorporated area in Boone County; all cities and the unincorporated area in Greene County of Jefferson; all cities and the unincorporated area in Story County excluding the cities of Collins and Col Bouton, Granger, and Woodward and Woodward State Hospital in Dallas County; and the Cities of Farnhamv Somers in Calhoun County. Amended June 2014 when Colo joined Marshall County

FY2018 Population Estimate

2018 Census Update & Woodward State Hospital average daily census

	Boone County	26,346	Boone in PA
	Greene County	8,981	0.5381 Greene in PA
MWA	(Jefferson, Greene)	(4,148)	
	Story County	98,105	98.67% Story in PA
Marshall	(Collins, Story)	(474)	
Marshall	(Colo, Story)	(834)	
	Bouton, Dallas	119	Dallas in PA
	Granger, Dallas	1,165	
	Woodward, Dallas	971	
	Woodward Resouce Center, Dallas	184	https://dhs.iowa.gov/mhds/disabilit
	Farnhamville, Calhoun	346	8.26% Calhoun in PA
	Lohrville, Calhoun	348	
	Somers, Calhoun	107	

Total Current Year Population: 131,216.00 ✓

FY2019 Employment Data

Iowa Workforce and Development

	Boone	Greene	Story	Dallas* (MSA)
Jul-18	9,528	3,270	49,000	372,000
Aug-18	9,375	3,239	50,900	372,300
Sep-18	9,335	3,360	55,400	370,800
Oct-18	9,327	3,428	56,000	374,300
Nov-18	9,326	3,422	56,100	375,700
Dec-18	9,308	3,422	55,100	375,400
Jan-19	9,107	3,360	52,600	369,700
Feb-19	9,116	3,355	55,300	368,800
Mar-19	9,135	3,403	55,200	369,900
Apr-19	9,210	3,398	56,000	377,100
May-19	9,310	3,418	55,300	382,400
Jun-19	9,481	3,434	50,700	385,300
Average	9,297	3,376	53,967	374,475
% in PA	100.00%	53.81%	98.67%	0.37%
A in PA	9,296.50	1,816.61	53,247.15	1,393.55

Total Current Year Employment: 65,996.19 ✓

the portion of the MSA in the planning area, take the proportion of the employment average that is equal to the population of the MSA in the planning area. Dallas, Guthrie, Madison, Polk and Warren Counties are incl

FY2019 Taxable Sales

Iowa Revenue & Finance, Quarterly Retail Sale Tax and Use Report

	July-Sept 18	Oct-Dec 18	Jan-Mar 19	Apr-Jun 19
Boone County	\$ 53,646,393	\$ 56,456,024	\$ 48,296,644	\$ 58,924,694
Farnhamville, Calhoun	\$ 259,441	\$ 318,153	\$ 202,355	\$ 234,446
Lohrville, Calhoun	\$ 910,007	\$ 775,381	\$ 340,469	\$ 681,618
Somers, Calhoun*	na	\$ 153,236	na	na
Bouton, Dallas	\$ 2,928,119	\$ 2,752,477	\$ 2,633,789	\$ 2,720,099
Granger, Dallas	\$ 3,456,078	\$ 2,669,350	\$ 2,512,589	\$ 2,707,638
Woodward, Dallas	\$ 2,923,761	\$ 1,538,010	\$ 1,411,691	\$ 1,893,493
Greene County	\$ 21,237,011	\$ 20,374,191	\$ 15,673,386	\$ 19,897,416
(Jefferson, Greene)	\$ (16,784,752)	\$ (15,459,069)	\$ (11,994,019)	\$ (14,944,223)
Story County	\$ 285,824,003	\$ 277,916,796	\$ 233,007,179	\$ 283,712,553
(Collins, Story)	\$ (215,480)	\$ (122,547)	\$ (112,358)	\$ (194,948)
(Colo, Story)	\$ (1,625,485)	\$ (1,610,260)	\$ (1,253,075)	\$ (1,716,434)
Total	\$ 352,559,096	\$ 345,761,742	\$ 290,718,650	\$ 353,916,352

Total Current Year Taxable Sales: \$ 1,342,955,840 √

*Somers did not have any reported \$ in quarters 1, 3 and 4 and was not included.

FY2019 Tonnage

Boone County LF	97,462.65
Exemptions	0
Total W/O RDF	97,462.65 √

FY2019 Consumer Price Index

U.S. Bureau of Labor Statistics, Consumer Price Index - All Urban Consumers (CP

Jul-18	252.006
Aug-18	252.146
Sep-18	252.439
Oct-18	252.885
Nov-18	252.038
Dec-18	251.233
Jan-19	251.712
Feb-19	252.776
Mar-19	254.202
Apr-19	255.548
May-19	256.092
Jun-19	256.143

253.2683

Current Year Consumer Price Index:

253.2683 √

not including the
of the Cities of
ville, Lohrville, and

96,797

2439

City-services/resource-
9699



Calhoun

2,869
2,857
2,962
2,978
2,968
2,953
2,886
2,870
2,898
2,946
3,004
3,027
2,935
8.26%
242.38



the proportion of
uded in the Des

FY2019

\$	217,323,755
\$	1,014,395
\$	2,707,475
\$	153,236
\$	11,034,484
\$	11,345,655
\$	7,766,955
\$	77,182,004
\$	(59,182,063)
\$	1,080,460,531
\$	(645,333)
\$	(6,205,254)
\$	1,342,955,840

I-U)

Dallas County	Adel city	4,954	Story Cour
Dallas County	Bouton cit	119	Story Cour
Dallas County	Clive city (5,417	Story Cour
Dallas County	Dallas Cen	1,714	Story Cour
Dallas County	Dawson cit	123	Story Cour
Dallas County	De Soto cit	1,000	Story Cour
Dallas County	Dexter city	569	Story Cour
Dallas County	Granger cit	1,165	Story Cour
Dallas County	Grimes city	18	Story Cour
Dallas County	Linden city	200	Story Cour
Dallas County	Minburn ci	343	Story Cour
Dallas County	Perry city	7,456	Story Cour
Dallas County	Redfield ci	795	Story Cour
Dallas County	Urbandale	10,538	Story Cour
Dallas County	Van Meter	1,181	Story Cour
Dallas County	Waukee ci	22,810	Story Cour
Dallas County	West Des f	20,492	
Dallas County	Woodwarc	971	
Dallas County	Balance of	10,315	Boone Cou
		90,180	Boone Cou
			Boone Cou
			Boone Cou
			Boone Cou
Calhoun County	Farnhamvi	346	Boone Cou
Calhoun County	Jolley city	26	Boone Cou
Calhoun County	Knierim cit	59	Boone Cou
Calhoun County	Lake City c	1,657	Boone Cou
Calhoun County	Lohrville ci	348	Boone Cou
Calhoun County	Lytton city	39	Boone Cou
Calhoun County	Manson cit	1,578	Boone Cou
Calhoun County	Pomeroy c	608	Boone Cou
Calhoun County	Rinard city	49	Boone Cou
Calhoun County	Rockwell C	2,096	
Calhoun County	Somers cit	107	
Calhoun County	Yetter city	32	
Calhoun County	Balance of	2,754	
		9,699	

AMES MSA	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	
Total Nonfarm	49.0		50.9	55.4	56.0	56.1

DES MOINES MSA	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18
Total Nonfarm	372.0	372.3	370.8	374.3	375.7

County	INDUSTRY	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18
---------------	-----------------	---------------	---------------	---------------	---------------	---------------

Boone	Total Nonfarm	9,528	9,375	9,335	9,327	9,326
Greene	Total Nonfarm	3,270	3,239	3,360	3,428	3,422
Calhoun	Total Nonfarm	2,869	2,857	2,962	2,978	2,968

qtr1				Qtr 2		
Boone	Boone	398	\$46,142,069	Boone	Boone	
Boone	Madrid	76	\$3,723,871	Boone	Ogden	
Boone	Ogden	76	\$2,126,012	Boone	Madrid	
Boone	Other	55	\$1,654,441	Boone	Other	
			\$53,646,393			

Dallas	West Des Moines	376	\$190,074,708	Dallas	West Des
Dallas	Waukee	291	\$72,281,589	Dallas	Waukee
Dallas	Adel	203	\$11,791,176	Dallas	Adel
Dallas	Perry	197	\$31,478,324	Dallas	Perry
Dallas	Clive	68	\$5,098,753	Dallas	Dallas Ce
Dallas	Dallas Center	60	\$2,251,071	Dallas	Clive
Dallas	Woodward	52	\$2,923,761	Dallas	Woodwar
Dallas	Urbandale	42	\$1,083,486	Dallas	Urbandale
Dallas	Granger	38	\$3,456,078	Dallas	Van Mete
Dallas	Desoto	37	\$3,030,909	Dallas	Desoto
Dallas	Redfield	35	\$966,279	Dallas	Redfield
Dallas	Van Meter	35	\$1,718,995	Dallas	Granger
Dallas	Dexter	34	\$753,205	Dallas	Dexter
Dallas	Minburn	21	\$760,820	Dallas	Minburn
Dallas	Bouton	12	\$2,928,119	Dallas	Linden
Dallas	Grimes	11	\$315,057	Dallas	Bouton
Dallas	Linden	10	\$89,735	Dallas	Grimes
Dallas	Other	30	\$1,697,230	Dallas	Dawson
				Dallas	Other

Greene	Jefferson	176	\$16,784,752	Greene	Jefferson
Greene	Scranton	27	\$1,033,893	Greene	Scranton
Greene	Grand Junction	25	\$1,771,279	Greene	Grand Jur
Greene	Paton	20	\$768,702	Greene	Churdan
Greene	Churdan	16	\$434,398	Greene	Paton
Greene	Rippey	14	\$233,807	Greene	Rippey
Greene	Other	13	\$210,180	Greene	Other
			\$21,237,011		

Jasper	Newton	492	\$66,114,036	Jasper	Newton
Jasper	Colfax	84	\$5,007,527	Jasper	Colfax
Jasper	Monroe	74	\$4,550,624	Jasper	Monroe

Jasper	Sully	68	\$4,085,495
Jasper	Prairie City	55	\$2,068,617
Jasper	Baxter	47	\$1,126,186
Jasper	Kellogg	37	\$973,195
Jasper	Lynnville	34	\$1,210,228
Jasper	Mingo	14	\$73,162
Jasper	Reasnor	11	\$104,043
Jasper	Other	26	\$1,256,047

Jasper	Sully
Jasper	Prairie Cit
Jasper	Baxter
Jasper	Kellogg
Jasper	Lynnville
Jasper	Mingo
Jasper	Reasnor
Jasper	Other

Polk	Des Moines	4,676	\$1,068,653,280
Polk	West Des Moines	1,363	\$259,579,567
Polk	Ankeny	1,206	\$257,848,321
Polk	Urbandale	978	\$213,229,942
Polk	Clive	462	\$112,150,417
Polk	Altoona	422	\$180,165,664
Polk	Johnston	385	\$47,039,794
Polk	Grimes	269	\$74,612,225
Polk	Pleasant Hill	188	\$19,033,445
Polk	Bondurant	117	\$6,008,559
Polk	Windsor Heights	110	\$23,037,847
Polk	Polk City	98	\$6,624,515
Polk	Runnells	55	\$2,244,986
Polk	Mitchellville	43	\$1,652,966
Polk	Elkhart	27	\$1,353,214
Polk	Carlisle	18	\$535,961
Polk	Alleman	11	\$513,396
Polk	Other	42	\$1,472,463
			\$2,275,756,562

Polk	Des Moines
Polk	West Des
Polk	Ankeny
Polk	Urbandale
Polk	Clive
Polk	Altoona
Polk	Johnston
Polk	Grimes
Polk	Pleasant I
Polk	Bonduran
Polk	Windsor H
Polk	Polk City
Polk	Runnells
Polk	Mitchellvil
Polk	Elkhart
Polk	Carlisle
Polk	Alleman
Polk	Other

Story	Ames	1,164	\$243,662,624
Story	Nevada	212	\$16,463,811
Story	Story City	146	\$9,320,004
Story	Huxley	87	\$4,330,161
Story	Slater	39	\$5,075,485
Story	Maxwell	38	\$965,297
Story	Colo	36	\$1,625,485
Story	Gilbert	33	\$1,439,721
Story	Roland	33	\$1,069,295
Story	Cambridge	22	\$710,522
Story	Zearing	21	\$310,659
Story	Collins	19	\$215,480
Story	Kelley	18	\$306,921
Story	Other	14	\$328,538

Story	Ames
Story	Nevada
Story	Story City
Story	Huxley
Story	Slater
Story	Colo
Story	Roland
Story	Gilbert
Story	Maxwell
Story	Cambridg
Story	Zearing
Story	Collins
Story	Kelley
Story	Mccallsbu

\$285,824,003

Story

Other

Calhoun	Rockwell City	83	\$5,249,835	Calhoun	Rockwell
Calhoun	Lake City	79	\$3,143,004	Calhoun	Lake City
Calhoun	Manson	78	\$4,503,456	Calhoun	Manson
Calhoun	Lohrville	20	\$1,021,067	Calhoun	Lohrville
Calhoun	Farnhamville	17	\$259,441	Calhoun	Pomeroy
Calhoun	Pomeroy	17	\$667,624	Calhoun	Farnhamv
Calhoun	Other	29	\$539,067	Calhoun	Somers
				Calhoun	Other

Facility	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Total Non-Exempt Tons FY1
Boone County Sani	26,881.80	24,212.50	17,472.19	27,707.92	96,274.41
	√	√	√	√	
MPE tons		523.03	53.92	238.32	815.27
MPE tons			356.01	16.96	372.97
from qtrly fee reports					1,188.24
					97,462.65

Ames city	67,154	Greene Co Churdan ci	368
Cambridge	806	Greene Co Dana city	69
Collins city	474	Greene Co Grand Junc	784
Colo city	834	Greene Co Jefferson c	4,148
Gilbert city	1,146	Greene Co Paton city	230
Huxley city	3,867	Greene Co Ralston cit	2
Kelley city	300	Greene Co Rippey city	278
Maxwell ci	915	Greene Co Scranton c	528
McCallsbu	323	Greene Co Balance of	2,574
Nevada cit	6,751		8,981
Roland city	1,271		
Sheldahl ci	153		
Slater city	1,483	Grundy Co Beaman cit	187
Story City c	3,370	Grundy Co Conrad city	1,081
Zearing cit	526	Grundy Co Dike city	1,280
Balance of	8,732	Grundy Co Grundy Ce	2,682
	98,105	Grundy Co Holland cit	271
		Grundy Co Morrison c	92
Beaver city	49	Grundy Co Reinbeck c	1,637
Berkley cit	34	Grundy Co Stout city	213
Boone city	12,470	Grundy Co Wellsburg	692
Boxholm c	187	Grundy Co Balance of	4,169
Fraser city	102		12,304
Luther city	134		
Madrid cit	2,562		
Ogden city	1,994		
Pilot Mour	168		
Sheldahl ci	28		
Slater city	0		
Woodwarc	449		
Balance of	8,169		
	26,346		

Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	
55.1		52.6	55.3	55.2	56.0	55.3	50.7

Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19
375.4	369.7	368.8	369.9	377.1	382.4	385.3

Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19
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9,308	9,107	9,116	9,135	9,210	9,310	9,481
3,422	3,360	3,355	3,403	3,398	3,418	3,434
2,953	2,886	2,870	2,898	2,946	3,004	3,027

		Qtr 3				
545	\$48,112,614	Boone	Boone	415	\$40,663,500	
114	\$2,043,466	Boone	Ogden	77	\$1,617,537	
109	\$3,298,379	Boone	Madrid	73	\$2,959,564	
106	\$3,001,565	Boone	Other	59	\$3,056,043	
	\$56,456,024				\$48,296,644	

422	\$224,960,499	Dallas	West Des	377	\$159,141,819	
366	\$68,249,683	Dallas	Waukee	282	\$53,674,021	
286	\$17,494,859	Dallas	Adel	227	\$14,210,705	
241	\$26,481,423	Dallas	Perry	206	\$25,078,834	
91	\$2,607,166	Dallas	Dallas Ce	66	\$2,326,832	
88	\$5,485,802	Dallas	Clive	65	\$4,482,838	
72	\$1,538,010	Dallas	Woodwar	60	\$1,411,691	
66	\$1,123,931	Dallas	Urbandale	47	\$448,017	
56	\$2,086,351	Dallas	Desoto	38	\$2,942,189	
42	\$2,980,755	Dallas	Van Mete	34	\$600,979	
42	\$880,150	Dallas	Redfield	33	\$621,643	
40	\$2,669,350	Dallas	Granger	31	\$2,512,589	
38	\$779,878	Dallas	Dexter	24	\$576,626	
28	\$598,721	Dallas	Minburn	23	\$574,301	
19	\$99,803	Dallas	Bouton	12	\$2,633,789	
17	\$2,752,477	Dallas	Grimes	11	\$1,234,901	
13	\$427,722	Dallas	Other	42	\$647,323	
10	\$24,016					
34	\$938,986					

220	\$15,459,069	Greene	Jefferson	182	\$11,994,019	
36	\$1,286,269	Greene	Scranton	26	\$1,090,554	
30	\$1,677,457	Greene	Grand Jur	23	\$996,597	
24	\$383,738	Greene	Paton	19	\$840,586	
22	\$994,490	Greene	Churdan	16	\$328,329	
18	\$357,942	Greene	Rippey	14	\$252,439	
16	\$215,226	Greene	Other	16	\$170,862	
	\$20,374,191				\$15,673,386	

618	\$64,911,459	Jasper	Newton	496	\$57,833,429	
110	\$4,253,039	Jasper	Colfax	85	\$3,922,645	
91	\$3,793,327	Jasper	Sully	70	\$3,291,677	

87	\$4,062,692	Jasper	Monroe	69	\$3,143,744
69	\$1,687,567	Jasper	Prairie Cit	57	\$1,587,840
57	\$1,463,682	Jasper	Baxter	43	\$1,395,116
50	\$762,999	Jasper	Kellogg	38	\$955,504
46	\$1,175,568	Jasper	Lynnville	31	\$831,157
27	\$138,355	Jasper	Mingo	15	\$171,884
20	\$112,796	Jasper	Reasnor	14	\$109,156
43	\$302,550	Jasper	Other	37	\$258,426

5,715	#####	Polk	Des Moines	4,602	\$899,044,152
1,666	\$278,932,822	Polk	West Des	1,324	\$237,594,318
1,542	\$260,435,158	Polk	Ankeny	1,222	\$215,196,510
1,183	\$207,354,359	Polk	Urbandale	994	\$181,025,863
544	\$113,666,837	Polk	Clive	467	\$90,702,430
524	\$169,098,747	Polk	Altoona	427	\$129,552,461
513	\$44,194,136	Polk	Johnston	407	\$36,235,660
333	\$71,772,367	Polk	Grimes	283	\$55,704,843
249	\$18,790,590	Polk	Pleasant l	197	\$15,720,154
170	\$6,617,616	Polk	Bonduran	124	\$4,897,970
148	\$22,316,853	Polk	Windsor t	109	\$16,658,351
129	\$4,443,127	Polk	Polk City	99	\$3,776,822
87	\$1,893,028	Polk	Runnells	50	\$2,004,062
51	\$1,558,529	Polk	Mitchellvil	42	\$1,511,779
34	\$3,094,592	Polk	Elkhart	28	\$1,025,318
29	\$1,002,756	Polk	Carlisle	24	\$731,957
16	\$363,492	Polk	Alleman	11	\$434,865
86	\$15,953,411	Polk	Other	100	\$24,747,881
	\$2,249,531,465				\$1,916,565,396

1,460	\$240,573,622	Story	Ames	1,154	\$203,237,315
271	\$14,871,668	Story	Nevada	209	\$11,719,692
194	\$9,067,439	Story	Story City	156	\$6,974,882
111	\$4,113,924	Story	Huxley	85	\$3,531,666
47	\$2,305,204	Story	Slater	38	\$1,725,934
46	\$1,610,260	Story	Colo	34	\$1,253,075
45	\$950,240	Story	Gilbert	33	\$1,194,659
43	\$1,309,407	Story	Maxwell	32	\$633,279
40	\$730,775	Story	Roland	30	\$665,346
34	\$1,202,485	Story	Cambridg	22	\$185,401
27	\$419,185	Story	Zearing	21	\$444,199
24	\$122,547	Story	Kelley	18	\$245,988
23	\$334,293	Story	Collins	16	\$112,358
13	\$206,718	Story	Other	25	\$1,083,385

14	\$99,029				\$233,007,179
	\$277,916,796				
108	\$4,763,447	Calhoun	Rockwell	87	\$3,950,927
101	\$3,099,729	Calhoun	Manson	77	\$3,726,728
93	\$3,947,857	Calhoun	Lake City	75	\$2,670,146
26	\$1,138,578	Calhoun	Lohrville	18	\$374,391
24	\$629,272	Calhoun	Pomeroy	17	\$547,115
20	\$318,153	Calhoun	Farnham	14	\$202,355
11	\$153,236	Calhoun	Other	31	\$305,715
33	\$193,960				

Qtr 4

Boone	Boone	409	\$48,832,070
Boone	Ogden	78	\$2,241,601
Boone	Madrid	74	\$3,883,175
Boone	Other	60	\$3,967,848
			\$58,924,694

Dallas	West Des f	374	\$190,803,397
Dallas	Waukee	291	\$68,330,160
Dallas	Adel	224	\$19,534,324
Dallas	Perry	209	\$25,236,831
Dallas	Dallas Cent	67	\$2,625,751
Dallas	Clive	64	\$6,629,406
Dallas	Woodwarc	59	\$1,893,493
Dallas	Urbandale	47	\$857,064
Dallas	Desoto	37	\$3,834,241
Dallas	Granger	32	\$2,707,638
Dallas	Redfield	32	\$922,464
Dallas	Van Meter	32	\$1,733,811
Dallas	Dexter	23	\$746,384
Dallas	Minburn	23	\$779,103
Dallas	Bouton	11	\$2,720,099
Dallas	Grimes	11	\$1,569,519
Dallas	Other	41	\$1,518,294

Greene	Jefferson	181	\$14,944,223
Greene	Scranton	25	\$1,474,837
Greene	Grand Junc	22	\$1,597,698
Greene	Paton	19	\$816,212
Greene	Churdan	16	\$406,980
Greene	Rippey	14	\$259,320
Greene	Other	17	\$398,146
			\$19,897,416

Jasper	Newton	495	\$62,922,075
Jasper	Colfax	86	\$5,321,344
Jasper	Monroe	70	\$4,774,384

Jasper	Sully	69	\$4,086,633
Jasper	Prairie City	58	\$2,512,891
Jasper	Baxter	41	\$954,528
Jasper	Kellogg	37	\$969,880
Jasper	Lynnville	33	\$1,342,639
Jasper	Mingo	15	\$201,569
Jasper	Reasnor	12	\$201,337
Jasper	Other	35	\$881,954

Polk	Des Moines	4,588	\$1,054,176,098
Polk	West Des Moines	1,326	\$269,394,988
Polk	Ankeny	1,237	\$272,561,709
Polk	Urbandale	999	\$212,672,636
Polk	Clive	460	\$116,156,247
Polk	Altoona	440	\$171,337,220
Polk	Johnston	406	\$47,570,407
Polk	Grimes	282	\$76,356,655
Polk	Pleasant Hill	199	\$20,361,708
Polk	Bondurant	125	\$7,124,929
Polk	Windsor Hill	108	\$20,708,627
Polk	Polk City	97	\$6,913,103
Polk	Runnells	50	\$1,999,975
Polk	Mitchellville	41	\$1,913,973
Polk	Elkhart	29	\$1,739,097
Polk	Carlisle	24	\$988,336
Polk	Alleman	11	\$235,876
Polk	Other	99	\$38,597,610
			\$2,320,809,194

Story	Ames	1,145	\$245,198,671
Story	Nevada	212	\$15,034,270
Story	Story City	157	\$9,330,058
Story	Huxley	84	\$4,001,601
Story	Slater	41	\$3,001,030
Story	Colo	34	\$1,716,434
Story	Maxwell	34	\$860,346
Story	Gilbert	33	\$1,410,649
Story	Roland	30	\$878,704
Story	Zearing	23	\$465,613
Story	Cambridge	21	\$240,435
Story	Kelley	18	\$297,225
Story	Collins	17	\$194,948
Story	Other	24	\$1,082,569

\$283,712,553

Calhoun	Rockwell C	86	\$5,272,627
Calhoun	Manson	77	\$4,637,809
Calhoun	Lake City	74	\$3,156,173
Calhoun	Lohrville	19	\$896,186
Calhoun	Pomeroy	18	\$590,556
Calhoun	Farnhamvi	15	\$234,446
Calhoun	Other	33	\$351,335

pop 18

Boone County	Balance of B	8,204
Boone County	Beaver	49
Boone County	Berkley	34
Boone County	Boone	12,510
Boone County	Boxholm	190
Boone County	Fraser	106
Boone County	Luther	135
Boone County	Madrid	2,587
Boone County	Ogden	2,022
Boone County	Pilot Mound	170
Boone County	Sheldahl (pt	29
Boone County	Woodward (448
		26,484

Calhoun County	Balance of Calhou
Calhoun County	Farnhamville (pt.)
Calhoun County	Jolley
Calhoun County	Knierim
Calhoun County	Lake City
Calhoun County	Lohrville
Calhoun County	Lytton (pt.)
Calhoun County	Manson
Calhoun County	Pomeroy
Calhoun County	Rinard
Calhoun County	Rockwell City
Calhoun County	Somers
Calhoun County	Yetter

Greene County	Balance of Greene
Greene County	Churdan
Greene County	Dana
Greene County	Grand Junction
Greene County	Jefferson
Greene County	Paton
Greene County	Ralston (pt.)
Greene County	Rippey
Greene County	Scranton

County	INDUSTRY	Jul-17	Aug-17	Sep-17	Oct-17
Boone	Total Nonfar	9,629	9,419	9,447	9,408
Greene	Total Nonfar	3,238	3,220	3,314	3,355
Dallas MSA		366.4	366.1	364.1	367.1
Story		48.9	50.7	55.4	56.0
Calhoun	Total Nonfar	2,780	2,790	2,877	2,906

q1

Boone	Boone	\$	45,639,051
Boone	Ogden	\$	2,052,293
Boone	Madrid	\$	3,120,419
Boone	Other	\$	3,098,420
		\$	53,910,183

q2

Boone	Boone
Boone	Madrid
Boone	Ogden

Greene	Jefferson	\$	16,276,311
Greene	Scranton	\$	1,006,691

Greene	Jefferson
Greene	Scranton

Greene	Grand Juncti	\$	1,330,393
Greene	Churdan	\$	527,011
Greene	Paton	\$	1,168,507
Greene	Rippey	\$	263,579
Greene	Other	\$	257,887
		\$	20,830,379

Greene	Grand Junction
Greene	Churdan
Greene	Paton
Greene	Rippey
Greene	Other

Dallas	West Des M	\$	181,475,454
Dallas	Waukee	\$	65,176,320
Dallas	Adel	\$	16,589,592
Dallas	Perry	\$	29,838,881
Dallas	Clive	\$	4,596,236
Dallas	Dallas Cente	\$	2,385,522
Dallas	Woodward	\$	1,567,792
Dallas	Urbandale	\$	1,284,052
Dallas	Redfield	\$	1,010,878
Dallas	Desoto	\$	2,928,750
Dallas	Van Meter	\$	1,842,941
Dallas	Granger	\$	2,609,649
Dallas	Dexter	\$	801,872
Dallas	Minburn	\$	774,060
Dallas	Bouton	\$	2,971,195
Dallas	Linden	\$	87,691
Dallas	Other	\$	2,001,323

Dallas	West Des Moines
Dallas	Waukee
Dallas	Adel
Dallas	Perry
Dallas	Dallas Center
Dallas	Clive
Dallas	Woodward
Dallas	Urbandale
Dallas	Van Meter
Dallas	Redfield
Dallas	Dexter
Dallas	Desoto
Dallas	Granger
Dallas	Minburn
Dallas	Linden
Dallas	Bouton
Dallas	Grimes
Dallas	Other

Calhoun	Rockwell C	\$5,099,901
Calhoun	Lake City	\$2,980,470
Calhoun	Manson	\$4,026,247
Calhoun	Lohrville	\$910,007
Calhoun	Pomeroy	\$464,188
Calhoun	Farnhamvil	\$274,374
Calhoun	Other	\$618,528

Calhoun	Rockwell City
Calhoun	Lake City
Calhoun	Manson
Calhoun	Lohrville
Calhoun	Pomeroy
Calhoun	Farnhamville
Calhoun	Other

Story	Ames	\$244,848,850
Story	Nevada	\$16,337,499
Story	Story City	\$9,464,801
Story	Huxley	\$4,140,587
Story	Colo	\$1,761,700
Story	Maxwell	\$857,276
Story	Slater	\$3,545,331
Story	Gilbert	\$1,257,523
Story	Roland	\$1,093,091
Story	Cambridge	\$520,763
Story	Zearing	\$348,985
Story	Kelley	\$177,899

Story	Ames
Story	Nevada
Story	Story City
Story	Huxley
Story	Colo
Story	Maxwell
Story	Gilbert
Story	Slater
Story	Roland
Story	Cambridge
Story	Zearing
Story	Collins

Story	Collins	\$127,250	Story	Kelley
Story	Other	\$633,784	Story	Mccallsburg
		\$285,115,339	Story	Other

Facility	July 1 - Sept	October 1 - Decem	January 1 - M	April 1 - June 30,	Total Non-Exempt
Boone County Sani	23,216.21	21,842.67	17,971.35	27,311.27	90,341.50
	√	√	√	√	

2,748	Dallas County	Balance of	10,362	Story County	Balance of
348	Dallas County	Adel	4,386	Story County	Ames
26	Dallas County	Bouton	120	Story County	Cambridge
61	Dallas County	Clive (pt.)	5,419	Story County	Collins
1,670	Dallas County	Dallas Cen	1,698	Story County	Colo
351	Dallas County	Dawson	124	Story County	Gilbert
39	Dallas County	De Soto	1,008	Story County	Huxley
1,589	Dallas County	Dexter	575	Story County	Kelley
612	Dallas County	Granger (p	1,142	Story County	Maxwell
50	Dallas County	Grimes (pt	16	Story County	McCallsbu
2,114	Dallas County	Linden	200	Story County	Nevada
106	Dallas County	Minburn	346	Story County	Roland
32	Dallas County	Perry	7,517	Story County	Sheldahl (r
9,746	Dallas County	Redfield	795	Story County	Slater
	Dallas County	Urbandale	10,482	Story County	Story City
2,568	Dallas County	Van Meter	1,131	Story County	Zearing
370	Dallas County	Waukee	20,649		
69	Dallas County	West Des f	20,287		
784	Dallas County	Woodwarc	978		
4,150			87,235		
230					
2					
278					
530					
8,981					

Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18
9,409	9,405	9,192	9,197	9,209	9,300	9,326	9,547
3,336	3,352	3,283	3,304	3,333	3,336	3,362	3,409
369.3	367.9	360.0	360.4	361.3	368.3	376.0	383.0
56.2	55.5	53.4	55.4	54.8	55.8	54.2	50.7
2,914	2,852	2,772	2,765	2,777	2,843	2,876	2,926

		q3				
556	\$ 43,141,899	Boone	Boone	392	\$ 37,506,435	
120	\$ 3,178,269	Boone	Madrid	71	\$ 2,794,039	
109	\$ 1,912,544	Boone	Ogden	67	\$ 1,555,442	
	\$ 48,232,712	Boone	Other	54	\$ 2,602,765	
					\$ 44,458,681	
222	\$ 15,577,427	Greene	Jefferson	170	\$ 12,305,624	
41	\$ 1,010,212	Greene	Scranton	25	\$ 969,663	

32 \$ 1,517,635
 27 \$ 317,038
 23 \$ 957,711
 19 \$ 375,029
 15 \$ 230,475
 \$ 19,985,527

Greene Grand Junction 24 \$ 1,273,541
 Greene Paton 19 \$ 811,225
 Greene Churdan 17 \$ 293,874
 Greene Rippey 12 \$ 293,782
 Greene Other 14 \$ 190,739
 \$ 16,138,448

406 \$ 218,622,481
 360 \$ 64,663,422
 283 \$ 17,843,145
 244 \$ 25,457,960
 91 \$ 2,165,869
 80 \$ 4,238,111
 69 \$ 1,326,416
 67 \$ 1,230,554
 51 \$ 2,031,835
 41 \$ 796,873
 39 \$ 909,658
 38 \$ 2,872,349
 36 \$ 2,600,136
 25 \$ 636,616
 16 \$ 90,557
 13 \$ 2,605,283
 12 \$ 420,647
 41 \$ 1,086,762

Dallas West Des Moines 353 \$ 152,182,753
 Dallas Waukee 266 \$ 52,781,468
 Dallas Adel 208 \$ 13,528,786
 Dallas Perry 190 \$ 25,444,197
 Dallas Clive 60 \$ 3,978,103
 Dallas Dallas Center 60 \$ 1,928,294
 Dallas Woodward 53 \$ 1,184,284
 Dallas Urbandale 38 \$ 781,242
 Dallas Redfield 36 \$ 821,072
 Dallas Desoto 33 \$ 2,424,321
 Dallas Van Meter 30 \$ 737,589
 Dallas Granger 26 \$ 2,474,132
 Dallas Dexter 25 \$ 899,881
 Dallas Minburn 20 \$ 617,933
 Dallas Grimes 12 \$ 446,167
 Dallas Bouton 11 \$ 2,551,880
 Dallas Other 37 \$ 722,218

115 \$4,766,657
 104 \$2,808,074
 99 \$4,356,740
 25 \$775,381
 25 \$581,042
 20 \$208,083
 44 \$364,574

Calhoun Rockwell 84 \$4,192,707
 Calhoun Lake City 78 \$2,603,285
 Calhoun Manson 70 \$3,948,083
 Calhoun Lohrville 19 \$340,469
 Calhoun Pomeroy 16 \$546,653
 Calhoun Farnham 15 \$219,072
 Calhoun Other 24 \$377,636

1,454 \$239,669,277
 284 \$17,630,270
 194 \$8,556,192
 122 \$4,051,051
 47 \$1,634,709
 46 \$819,948
 42 \$1,331,677
 42 \$3,915,016
 39 \$861,259
 29 \$1,120,484
 25 \$340,727
 21 \$116,051

Story Ames 1,114 \$201,564,880
 Story Nevada 207 \$12,951,659
 Story Story City 139 \$6,926,668
 Story Huxley 90 \$3,410,789
 Story Slater 38 \$2,269,703
 Story Maxwell 36 \$694,658
 Story Colo 34 \$1,379,133
 Story Gilbert 30 \$1,174,733
 Story Roland 29 \$702,146
 Story Zearing 20 \$499,031
 Story Cambridg 19 \$180,821
 Story Kelley 15 \$201,405

21	\$301,112	Story	Collins	13	\$122,895
11	\$188,620	Story	Other	18	\$644,569
16	\$329,657				\$232,723,090
	\$280,866,050				

⊖ Tons

8,752
66,498
815
480
844
1,140
3,782
301
923
324
6,777
1,286
154
1,500
3,396
530
97,502

q4

Boone	Boone	396	\$ 41,846,867
Boone	Ogden	74	\$ 2,167,307
Boone	Madrid	68	\$ 3,739,725
Boone	Other	52	\$ 3,131,336
			\$ 50,885,235

Greene	Jefferson	176	\$ 15,847,084
Greene	Scranton	26	\$ 1,016,623

Greene	Grand Junc	23	\$	1,599,638
Greene	Paton	19	\$	895,265
Greene	Churdan	18	\$	274,629
Greene	Rippey	13	\$	269,257
Greene	Other	14	\$	232,684
			\$	20,135,180

Dallas	West Des f	361	\$	175,570,921
Dallas	Waukee	277	\$	69,038,296
Dallas	Adel	217	\$	17,041,351
Dallas	Perry	192	\$	25,274,082
Dallas	Dallas Cent	65	\$	2,362,377
Dallas	Clive	63	\$	5,368,104
Dallas	Woodwarc	54	\$	1,467,230
Dallas	Urbandale	39	\$	1,095,235
Dallas	Desoto	35	\$	3,745,295
Dallas	Redfield	35	\$	953,991
Dallas	Van Meter	31	\$	1,759,988
Dallas	Granger	28	\$	2,729,490
Dallas	Dexter	25	\$	715,961
Dallas	Minburn	21	\$	632,830
Dallas	Bouton	10	\$	2,684,711
Dallas	Grimes	10	\$	476,646
Dallas	Other	37	\$	1,129,581

Calhoun	Rockwell	87	\$	4,921,653
Calhoun	Lake City	83	\$	3,072,106
Calhoun	Manson	73	\$	4,391,691
Calhoun	Lohrville	19	\$	681,618
Calhoun	Pomeroy	16	\$	625,052
Calhoun	Farnham	15	\$	179,778
Calhoun	Other	26	\$	272,806

Story	Ames	1,129	\$	243,913,210
Story	Nevada	209	\$	19,307,850
Story	Story City	144	\$	9,078,239
Story	Huxley	87	\$	4,239,335
Story	Slater	40	\$	3,549,836
Story	Maxwell	36	\$	801,914
Story	Colo	33	\$	1,580,587
Story	Gilbert	32	\$	1,385,982
Story	Roland	30	\$	736,816
Story	Zearing	21	\$	347,934
Story	Cambridg	20	\$	225,670
Story	Kelley	17	\$	226,152

Story	Collins	16	\$121,013
Story	Mccallsbu	10	\$263,163
Story	Other	8	\$331,945
			\$286,109,646

