

Iowa Northland Regional Council
of Governments:

*Comprehensive Solid
Waste Management Plan*

Fifth Revision

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

January 31, 2008
Revised March 12, 2008



INRCOG

Iowa Northland Regional Council of Governments
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Waterloo, Iowa 50703

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Iowa Northland Regional Council of Governments
Comprehensive Solid Waste Management Plan

Fifth Revision

Preparation of this plan was done in accordance with the Iowa Code and Iowa Department of Natural Resources guidelines.

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I. PLANNING AREA CHANGES

1.1 Permanent Changes in the Planning Area

The Planning Area has changed as a result of the closing of the Grundy County Landfill. A number of the municipalities and the unincorporated portions of Grundy County have joined the Rural Iowa Waste Management Association. The INRCOG Planning Area now includes only the cities of Dike, Grundy Center, Morrison, Reinbeck and Stout from Grundy County. The remainder of the planning area consists of the counties of Black Hawk, Bremer and Buchanan.

1.2 Planning Area Description - Information submitted on-line.

1.3 Planning Area Contacts - Information submitted on-line.

1.4 Permitted Facilities in the Planning Area - Information submitted on-line.

1.5 Planning Area Boards - Information submitted on-line.

1.6 Planning Area Board Members - Information submitted on-line.

II. EVIDENCE OF COOPERATION

2.1 Resolutions – See attached Resolutions. (Ex. #1-17)

2.2 Letters of Cooperation – See attached Letter of Cooperation from Corkery, Inc. (Ex. #18)

2.3 Lists of Contracts and 28E Agreements That Have Changed

Due to the closing of the Grundy County Landfill on October 1, 2007, the 28E Agreement in effect prior to that time was amended by the entities. The new Amended and Substituted Landfill Agreement was filed with the Secretary of State on October 29, 2007.

In addition, with the closing of the Bremer County Landfill, the municipalities of Readlyn, Sumner, Tripoli and Waverly have signed contracts with the Black Hawk County Solid Waste Management Commission detailing the terms and conditions that govern the delivery of solid waste from the municipalities to the Black Hawk County Landfill. The Commission does not require contracts of the

municipalities, but a number of the entities desired to have the contract terms set forth in writing. Such terms and conditions are identical to those enjoyed by the other Bremer and Grundy County entities that deliver to the Black Hawk County Landfill but chose not to have request written contracts.

III. PUBLIC PARTICIPATION

3.1 Public Input Strategies

Public participation and input is, and always has been, welcomed at the regular meetings of the Black Hawk County Solid Waste Management Commission, the Bremer County Board of Supervisors, the Buchanan County Sanitary Landfill Commission, and the Grundy County Sanitary Landfill Commission. In addition, numerous educational programs and mailings have been used to continue to educate and encourage participation in actions that will reduce the amount of waste ultimately to be deposited in the landfills. Web sites have been created in: Black Hawk County (www.wastetrac.org/index.html); Bremer County (www.co.bremer.ia.us/new/recyclingedu.htm); and Grundy County (www.grundycounty.org/landfill/index.asp) that provide considerable information to the public, as well as informing the public of educational opportunities that may be available. In addition, some of the cities in the Planning Area also have web sites providing additional information regarding waste and recycling, i.e., Waterloo (www.wplwloo.lib.ia.us/waterloo/wastemgmt/recyclingbrochure12004.pdf and www.wplwloo.lib.ia.us/waterloo/sanitation.html) and Cedar Falls (www.ci.cedar-falls.ia.us/index.asp?nid=100).

3.2 Public Hearings/Meetings Held for Plan Development

Public meetings for the development of this Plan were held in conjunction with meetings of the INRCOG Solid Waste Advisory Committee. The first meeting was held on July 9, 2007. Minutes are attached. (Ex. #19)

3.3 Public Review Meetings

A public review meeting was held on January 4, 2008 at the INRCOG offices. Proof of published notice of the public review

meetings and minutes from the meeting are attached. (Ex. #20-21)
Notice of the public meeting was mailed to all interested public entities.

IV. BASELINE WASTE STREAM REPORT

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

V. CHANGES IN AREA DEMOGRAPHICS

Population changes in the INRCOG region from the time of the Fourth Revision through July 1, 2006 (the most current population information available at the time of this update) are minimal and do not have any significant impact on solid waste collection. Population projections by Woods and Poole Economics, Inc. for the year 2010 also show minimal increases in population in the INRCOG Planning Area. In addition, employment and industrial production changes since the Fourth Revision have not been major and are believed to have had no significant impact on the waste stream in the region. With the closing of the Grundy and Bremer County Landfills, increased transportation costs and related expenses will likely be incurred by those counties and the cities located therein due to the increased hauling distances to the Black Hawk County landfill to dispose of the solid waste collected. It is likely that increased emphasis on recycling and diversion could become more pronounced by such entities in an attempt to counteract such costs.

VI. WASTE COMPOSITION & GENERATION

6.1 Changes in Waste Generation since the Last Approved Plan.

There does not appear to be any significant change in the waste generated since the prior Comp Plan was approved in 2004. Statistics from the Black Hawk County Landfill (by far the ultimate disposal site of the majority of waste generated in the Planning Area) show that gross tonnage of solid waste disposed of at the Black Hawk County site was as follows:

Fiscal Year 2005 (July 04-June 05)	159,294.51 T.
Fiscal Year 2006 (July 05-June 06)	150,284.89 T.
Fiscal Year 2007 (July 06-June 07)	157,044.82 T.

A significant amount of the solid waste generated in Buchanan

County and in Bremer County is collected by Waste Management of Iowa, Inc.. During the time covered by the period since the last Plan, (to the extent information was available from Waste Management), waste collected in those two counties was hauled out of state to the Upper Rock Island Landfill in Illinois. Figures show that the following amounts were collected within the Planning Area but shipped out of state:

Calendar Year 2005	1069.06 T.
Calendar Year 2006	1149.51 T.
Calendar Year 2007 (through June)	369.69 T.

With the increasing cost of fuel and related transportation expenses, it is possible that Waste Management could make a business decision to haul waste to Black Hawk County, although there are currently no active discussions concerning same. Because Waste Management is not disposing of waste within the state of Iowa, it is not required to join in this Comprehensive Plan, and direct discussion of possible changes in disposal methods was not undertaken. The additional waste, if it were to remain within the INRCOG Planning Area, would not constitute a significant increase or impose any burden upon the current capacity of the Black Hawk County Landfill. It would have a minimal long-term impact to the extent the estimated remaining life of the landfill would be slightly reduced.

6.2 Changes in Waste Composition since the Last Approved Plan.

In addition to limited changes in the amount of waste generated within the Planning Area, there also appears to be no significant change in the composition of the solid waste being generated from a review of the information available. Both population numbers and industrial and business output have remained fairly constant. Although new businesses have located within the Planning Area, none of the additions have created unusual or significant amounts of waste.

Continual efforts to increase diversion of waste from the landfill stream, from both residential and business sources continues, utilizing a number of efforts. Educational efforts are described later in the Plan. In addition, Iowa Waste Exchange actively attempts to assist businesses to divert recyclable material. The Iowa Waste Reduction Center, located at the University of Northern Iowa, also

provides businesses with assistance in diversion and efficiency advice to assist in reducing consumption and waste.

Corkery, Inc., the entity that handles the curbside recycling for the City of Waterloo, as well as commercial recycling in the area, shows the following amounts of recycled materials accepted at its Waterloo facility:

	<u>Received</u>	<u>Shipped</u>
Calendar Year 2005	16,615.34 T.	15,352.72 T.
Calendar Year 2006	14,933.49 T.	14,396.47 T.
Calendar Year 2007 (12/12/07)	12,057.69 T.	11,053.12 T.

In an effort to determine an explanation for the reduction in recycled tonnages, discussions with Corkery, Inc. revealed no clear explanations. The tonnages reported by Corkery include recycled materials collected from commercial businesses. Corkery indicated that several businesses that they previously contracted with were no longer delivering to them. Corkery believed the majority of the reduction could be tied to such commercial business loss. The estimated recycled materials from residential customers appeared to remain consistent.

Information provided by the City of Cedar Falls, from recycled material delivered to its transfer station, reveals the following trends:

	<u>Recycled</u>	<u>% of MSW</u>
Fiscal year 2005	1,611 T.	13.19%
Fiscal Year 2006	1,782 T.	11.19%
Fiscal Year 2007	2,158 T.	13.41%

City Carton is also a major recycling firm in the Black Hawk County area. They process the recycled materials from the Waterloo drop-off sites, handle the Cedar Falls recycling and maintain a significant number of commercial accounts. City Carton provided the following amounts (which would include the Cedar Falls amounts):

Fiscal Year 2005	26,779 T.
Fiscal Year 2006	28,074 T.
Fiscal Year 2007	29,536 T.

The above tonnages are, unfortunately, not all from the same time

periods, due to different fiscal years. Thus, exact amounts for any given period are not calculable with exact certainty. However, when the amounts are looked at in total, it does appear that progress is being made in the efforts to increase recycling.

Through the educational efforts discussed elsewhere in this Plan, it is hoped that the waste stream composition could be further reduced in the future through additional removal of recyclable materials from the waste stream and through continued efforts by Iowa Waste Exchange to match excess materials from one business with the material needs of other businesses. Although the economics of recycling remain a challenge, continual educational efforts and national trends are positive in making diversion efforts more likely to succeed.

6.3 Effects of Anticipated Planning Area Modifications.

With the exit of rural Grundy County and several Grundy County municipalities from the INRCOG Planning Area, a slight reduction in solid waste to be disposed of within the Planning Area should be observed. It has been estimated that the reduction in waste to be disposed of within this Area will approximate 4600 tons per year. This reduction is based upon the proportion of Grundy County residents leaving the INRCOG Planning Area to the total number of residents in Grundy County filings and is consistent with Iowa DNR computations and related filings.

VII. EXISTING I.S.W.M.S. DESCRIPTION

- 7.1 City - Information submitted on-line.
- 7.2 Recycling and Waste Collection Systems - Information submitted on-line.
- 7.3 Recycling and Waste Haulers - Information submitted on-line.
- 7.4 Residential Recycling - Information submitted on-line.
- 7.5 Commercial Recycling - Information submitted on-line.
- 7.6 Drop-off Recycling Sites - Information submitted on-line.
- 7.7 Diverted Materials Collection - Information submitted on-line.

- 7.8 Yard Waste Management Programs - Information submitted on-line.
- 7.9 Yard Waste Management Sites - Information submitted on-line.
- 7.10 Material Specific Initiatives

Household Hazardous Waste

Grundy County, Bremer County and Buchanan County are all served by HHM drop off sites. Black Hawk County and its municipalities, through the Black Hawk County Solid Waste Management Commission, have chosen to address the HHM issues through an educational effort and through an annual drop-off event, cooperatively sponsored with the municipal utility in Cedar Falls. Called the Energy and Environmental Fair, the day long event provides an opportunity for Black Hawk County residents to dispose of their household hazardous materials without cost to the resident. Over 50 drums of HHM liquids were collected and disposed of at the 2005 Fair. Those numbers for 2006 and 2007 were 38 and 39 drums, respectively. In addition, numerous boxes of solid pesticides, lead batteries, florescent bulbs and related HHMs were also collected each year

The Fair also contains both educational and recreational activities related to the environment for the families. The September 2007 event saw over 100 adults and 300 children attend. 257 vehicles dropped off some type of HHM. The cost to dispose of the waste was paid for by the Black Hawk County Solid Waste Management Commission. In addition, every vehicle dropping off HHM was given a handout instructing the proper methods for disposing of paint and a list of local options for disposing of oil and batteries at no or minimal charge. Public awareness of the campaign was through billboard, cable and print media. This has turned into a well received and effective method of dealing with the disposal of HHM and increased education.

- 7.11 New Waste Reduction and Recycling Programs

Two of the counties in the Planning Area have undertaken very active and aggressive programs of recycling education. The Black

Hawk County Solid Waste Management Commission has contracted with Hartman Reserve to program and operate the recycling education program in Black Hawk County. In order to create and maintain name recognition for the recycling education efforts, the education is offered through the "Waste Trac" name and logo. In the calendar years 2004 and 2005, approximately 1500 students per year were presented with one or more of the programs. During 2006 and 2007, the programs reached in excess of 1600 students per year in Black Hawk County. These are primarily reaching students through the schools, scouting programs, and some after-school programs. Programs include:

- Vermicomposting (all ages) – nature's recycling system, includes worm bin demonstration;
- The 3 R's (K-4th grade) – Reducing, Reusing, and Recycling;
- Waste Race Games (2nd – 5th grade) – educating students on classifying what can be recycled, composted and identification of household hazardous waste);
- Lunch Recycling Program (grade 2 and up);
- Landfill Tours (grade 6 and up)

Attached to the Plan is a copy of the Waste Trac brochure listing the standard educational program offerings that are generally available to adults and students. (Ex. #22)

A new Education Recycling person was recently added to the Waste Trac staff who brings significant years of experience in the recycling education area – it is anticipated that the outreach to students will continue to increase. Waste Trac goals for the 2007-08 school year are to reach approximately 3600 students (240 classrooms). See attached Waste Trac School Educational Plan. (Ex. #23)

It is believed that the benefits of reaching students goes beyond the transfer of knowledge to the students; experience has shown that the materials handed out at such meetings reach the parents and the subtle, or not so subtle, desire by students to recycle helps break down the long term practice of many adults to simply dispose of all types of waste through the solid waste disposal system in use in the municipalities rather than recycling.

Waste Trac also conducts many adult educational programs, also described in the attached brochure. No numbers are available for

numbers reached, but most such presentations are made to community organizations and service clubs. Much of the adult education centers around household hazardous waste issues and, recently, on "green building", using recycled and energy efficient materials in construction. There exists at the Hartman Reserve Nature Center, in Cedar Falls, the Gene & Betty Buckles Program Center. It is a model building, constructed nearly entirely from recycled materials with many energy efficiency elements. A copy of the brochure is attached. (Ex. #24) This can become a major element in the adult education arena, especially as interest in green building concepts increases in popularity. For example, the Iowa Department of Economic Development recently announced the inclusion of green concepts in many of its grants in future years. It is anticipated that this trend will continue to grow in interest.

Bremer County has also been actively presenting recycling education programs to its residents. Numbers available from the years since 2004 show:

56 programs were presented in 2004 to 1584 people;
70 programs were presented in 2005 to 1514 people; and
64 programs were presented in 2006 to 1574 people.

Attached are brochures detailing the programs available in Bremer County. (Ex. #25)

One additional new Bremer County program involved the sale of backyard composting bins in 2005 and 2006. Over 275 individual bins were sold. Although the direct impact on the waste stream may be relatively insignificant, the additional involvement of the communities in recycling constitutes an additional step toward changed habits.

In addition to the formal educational offerings, Waste Trac has started direct targeting of selected municipalities in Black Hawk County with mailings and other targeted media. Attached are examples of mailings sent to residents of LaPorte City during the first such program which operated during 2006. A series of postcards were mailed to all residents of LaPorte. (Ex. #26) Additional information was distributed using the Waste Wise newsletter, an insert delivered to all Waterloo Cedar Falls Courier subscribers. The dual purpose of the campaign was to raise awareness of the Waste Trac name and logo which was new to the

area and to provide specific instructions concerning the proper disposal for many HHM products. Considerable information is available on the Waste Trac website.

The Black Hawk County city of Hudson will be targeted with a similar education program during the first six months of 2007. The Hudson campaign will also include follow-up attention to the LaPorte residents and information will be directed at the entire county, including through the use of billboard advertisements and, again, using the Waste Wise newsletter. A copy of the Winter 2008 newsletter is attached. (Ex #27) It is the belief of the Solid Waste Commission that consistently reminding residents of the benefits and options available to them as far as recycling is the most effective method of changing community recycling behavior.

VIII. EVALUATION OF PROGRESS TOWARD GOALS

The cities and counties within the INRCOG Planning Area have maintained a level near or exceeding the State goal of 50% waste diversion as set forth in 567 IAC Chapter 101.6 since FY 1992 as shown in the table below:

Baseline Waste Stream Reduction	
Fiscal Year	% Reduction
1992	41.0%
1993	49.9%
1994	49.0%
1996	56.28%
1998	56.45%
2000	54.9%
2002	52.93%
2003	54.83%
2005	49.39%

Notwithstanding that success, considerable resources continue to be committed by the public entities in the area to alternative programs and encouraging options other than the land-filling of solid waste. Each public entity continually evaluates and balances the funds available for alternative waste disposal methods with the benefits and with other public needs for the funds.

Numerous alternatives have been incorporated into the Planning Area's inventory of diversion programs. Nearly all of the cities have adopted some sort of UBP program which impose graduated costs on disposal of waste that ultimately ends up at the landfills. Considerable discussion has taken place over the past Comprehensive Plan cycles at the Black Hawk County Solid Waste Management Commission level regarding tipping fees. Although the operation of the landfill has generated funds in excess of operational needs, a conscious decision has been made not to lower the tipping fee because such action, it is believed, would result in significant reduction of the incentive to recycle and divert waste from the landfill stream. The BHCSWMC has determined that any reduction in fees would especially impact the decision of businesses within the Planning Area. That determination is based upon an understanding that businesses' decisions regarding waste disposal are significantly influenced by consideration of cost factors. Although some businesses include non-economic recycling issues in their waste disposal strategies, it is generally true that economics drive such decisions at the business level. Thus, maintaining the tipping fee at a level that makes recycling and diversion economically viable for businesses remains an active part of the diversion process in the Planning Area.

To further encourage recycling and diversion activities, excess funds from landfill operations in the three counties operating landfills during the current planning cycle, were, in part, used to fund recycling programs. Grundy County and Bremer County both operate HHM collection centers funded, in part, through the landfill operations. With both of those landfills closing in the fall of 2007, both counties and the cities within are evaluating options for the future. Many of the cities have instituted new recycling programs for their residents. All will continue to explore options as they adjust to changes in the disposal systems and evaluate the changing costs associated therewith.

Bremer County has continued an effective educational program for its residents through the funding of partial staff positions at the Bremer County Conservation Commission. Black Hawk County has also used its funding stream to provide an aggressive educational campaign through the funding of staff positions at Hartman Reserve. It also has partnered with Cedar Falls Utilities in the annual Environmental Fair which combines an educational element involving recycling with environmentally friendly construction options and energy efficient appliances. In addition, the Fair provides an opportunity to all Black Hawk County individuals to dispose of HHM without cost to the resident. Brochures detailing proper HHM disposal methods, locations and alternatives are made available to all who

take advantage of the Environmental Fair.

Black Hawk County, through the BHCSWMC, has also returned funds directly to each public entity within the county to assist in funding recycling programs. State law requires that a small portion of tipping fees (\$0.80/T in the INRCOG Planning Area) be used for recycling programs. BHCSWMC has, for a number of years, returned approximately three times what state law requires to the public entities within its borders on a per capita basis. In order to qualify for such funds, the entities must account to the Commission verifying that the funds were, in fact, used in recycling activities. A penalty is also imposed upon each entity not operating a UBP system through a reduction of the per capita amount. Maintaining a tipping fee at a level to encourage alternatives to land filling and using a portion of the excess funds to further fund recycling and educational activities have been effective methods to encourage recycling.

Iowa Waste Exchange, funded in part by BHCSWMC, is active in the Planning Area (and beyond) as an available resource to assist businesses in finding matches for divertible and recyclable wastes. Over 600 contacts with businesses over the planning period has resulted in the diversion of over 110,000 tons of material from the landfill stream.

A new initiative during the most recent planning period directed a specific educational program at the city of LaPorte. A combination of mailings and publicity directed at residents attempted to educate the population concerning the Waste Trac logo and website as a source of information. The campaign also emphasized eco-friendly, alternative products and the proper methods of disposing of HHM. Evaluation of the program following the six month program showed an increased awareness of the Waste Trac "brand" as well as increased knowledge of HHM disposal methods. With the rapid increase of the internet as a primary source of information for many people, increasing the awareness of the Waste Trac resource is viewed as a long term goal as a means of providing current and relevant information to residents at a minimal cost on a 24/7 basis. Links to member websites increase citizen access to information.

Yard waste programs exist in 15 of the cities and counties in the Planning Area without cost to the residents. In addition, the Black Hawk County landfill will accept yard waste from all residents whose garbage is delivered to the landfill at a charge set by the Commission. Unfortunately, from an economic standpoint, there is no real market for yard waste recycling. However, communities continue to attempt to provide options to citizens for proper disposal of yard waste.

Continued efforts, as set forth above, and as projected in the future timeline described in Section X below, detail the types of programs and activities the INRCOG Planning Area intends to pursue to maintain and improve the diversion percentage. Prior actions have proven successful, but the Planning Area is aware that changes in the area, including the closing of the Grundy and Bremer County landfills will impact the waste stream. The cities and county involved will be making crucial decisions in the next planning cycle that will affect the diversion percentage. The Planning Area remains committed to seeing that such decisions are made with full knowledge of all options for recycling and diversion.

IX. ANALYSIS OF SOLID WASTE ALTERNATIVES

There are no current plans for alternative methods within the Planning Area other than continued efforts by the municipalities to increase recycling usage and continued proper disposal of HHM. As indicated previously, with the closings of two of the landfills within the Planning Area last October 1, 2007, and the related impact on costs of transportation to dispose of the solid waste, it is likely that the municipalities impacted within those areas may well consider the implementation of new programs designed to increase recycling and reduce the amount of waste hauled to Black Hawk County. In fact, several inquiries have been received by the Black Hawk County Solid Waste Commission, Iowa Northland Regional Council of Governments, and even the Iowa DNR, in connection with exploring the options and requirements that exist.

X. IMPLEMENTATION TIMELINE

10.1 General Statement of Timeline

As reflected in the Baseline Waste Stream results, the INRCOG Planning Area remains very close to maintaining its 50% reduction in landfilled waste based upon the 1988 base year. The Planning Area, and all of its cities, counties, and Commissions remain committed to continuing and improving the existing efforts to reduce, recycle and divert materials being sent to the landfill. In that effort, evaluation of the programs and commitment of resources will continue to be a vital part of the Planning Area's goals. Following, in Sections 10.2 through 10.5, is a summary of the activities that are expected to guide the Planning Area in its implementation of continued reduction activities over the next two planning cycles. All activities will continue to be subject to

evaluation as to the effectiveness of each activity on both a substantive and financial basis.

10.2 Educational Activities

Continue to provide educational material to the public through access to websites containing detailed information.			
Activity	Description	Provider	Time Period
Waste Trac website (Black Hawk County Solid Waste Management Commission)	Information regarding proper methods of disposing of HHM, alternative products, links to related sites, and listing of educational programming opportunities	Funded by BHCSWMC	Ongoing
Cedar Falls Waste Management website	Information regarding Cedar Falls recycling programs, including locations and procedures, and related diversion options	Cedar Falls	Ongoing
Waterloo Waste Management website	Information regarding Waterloo recycling programs, including locations and procedures, and related diversion options	Waterloo	Ongoing
Bremer County Conservation Commission website	Information regarding proper methods of disposing of HHM, and listing of educational programming opportunities	Bremer County	Ongoing

Educational campaigns tailored to specific municipalities.			
Activity	Description	Provider	Time Period
Targeting the city of Hudson	Campaign involving mailing and direct contact with residents of Hudson to make them aware of recycling opportunities with additional emphasis on HHM	BHCSWMC/Waste Trac/Hartman Reserve	January through June, 2008
Targeting other cities in Black Hawk County	Additional campaigns similar to Hudson, specifically tailored to needs of specific community	BHCSWMC/Waste Trac/Hartman Reserve	2009-2013 (biannually, or less often)

Funding of recycling education staff positions.			
Activity	Description	Provider	Time Period
Funding of staff at Hartman Reserve	Providing funding for 1.75 FTE at Hartman Reserve providing adult and youth educational programming	BHCSWMC	Ongoing
Funding of Bremer County staff	Providing partial funding for recycling educator for Bremer County Conservation Commission	Bremer County	Ongoing

10.3 Household Hazardous Materials & Large Appliance Disposal

Provide HHM collection opportunities, including educational components.			
Activity	Description	Provider	Time Period
Environmental Fair	Continue to co-sponsor Environmental Fair as means of educating public regarding proper disposal of HHM and providing free disposal of HHM for all residents (individuals) of Black Hawk County	BHCSWMC	Annual
Bremer County HHM Collection Center	Continue to provide and publicize collection center availability	Bremer County	Ongoing
Buchanan County HHM Collection Center	Continue to provide and publicize collection center availability	Buchanan County	Ongoing
Grundy County HHM Collection Center	Continue to provide and publicize collection center availability	Grundy County	Ongoing
Individual city HHM/Large appliance collection events	Continue to encourage individual cities to hold collection activities for HHM and/or appliances	Planning Area/INRCOG	Annually in municipalities providing service

10.4 Encourage Continued Recycling Programs and Diversion

Encourage cities to provide recycling programs.			
Activity	Description	Provider	Time Period
Provide funding for recycling activities	BHCSWMC funding to cities in excess of DNR/state mandated levels – Commission, subject to available funds, hopes to fund cities at levels approximating \$4/capita for recycling, requiring proof of use of funds (and subject to reduction if cities do not have UBP system)	BHCSWMC	Ongoing (annually)
Iowa Waste Exchange	Partial funding of IWE services, including services to businesses in encouraging matching of businesses and waste products, and emphasizing diversion of construction and demolition debris	BHCSWMC	Ongoing (annually)

10.5 Encourage Yard Waste Composting

Promote Yard Waste Composting			
Promote composting of yard waste	Continue to promote and encourage cities to make yard waste composting available	Planning Area and cities individually	Ongoing

10.6 Impact on Waste Stream

It is difficult to measure the future impact of the above activities on the waste stream. Significant diversion of construction and demolition debris has been experienced in the past six (6) months as evidenced through Iowa Waste Exchange records. It is estimated that over 99,000 tons of material have been recycled and diverted from the waste stream as result of one demolition project that was recently completed. Another project, in progress, is conservatively projected to divert and recycle approximately 2500

tons. An additional project, recently announced , is currently being pursued by IWE in the hope that it also can result in similar amounts of recycling and diversion. IWE, in the INRCOG Planning Area, intends to continue pursuing this area of diversion and will explore possible educational efforts specifically directed at construction and demolition materials and the contractors and developers involved directly in such activities.

Planning for the next two Comprehensive Plan periods will continue to direct educational efforts at school age populations as well as adults. Although not quantifiable directly, it is believed such efforts are an important element in changing the current “disposable” culture to a green culture where recycling is not an after-thought, but rather a conscious decision both at time of purchase as well as disposal.

Annual meetings with all stakeholders to discuss progress and concerns will be planned. It is hoped that through such meetings, successes can be shared, grant opportunities can be discussed and planning can be an ongoing exercise.

LIST OF EXHIBITS

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Resolutions:		
Black Hawk County	Black Hawk County Solid Waste Management Commission	1
Bremer County	Bremer County Board of Supervisors	2
	Denver	3
	Frederika	4
	Janesville	5
	Plainfield	6
	Readlyn	7
	Sumner	8
	Tripoli	9
	Waverly	10
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