

MINUTES
OF THE
ENVIRONMENTAL PROTECTION COMMISSION
MEETING
JUNE 21, 2011

INGRAM OFFICE BUILDING
7900 HICKMAN ROAD
WINDSOR HEIGHTS, IOWA

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MEETING MINUTES

CALL TO ORDER

The meeting of the Environmental Protection Commission was called to order by Chairperson David Petty at 10:05 a.m. on June 21, 2011 in the Ingram Office Building, Windsor Heights, Iowa.

COMMISSIONERS PRESENT

Brent Rastetter
David Petty, Chair
Mary Boote, Secretary
Dolores Mertz
John Glenn
Dee Bruemmer
Nancy Couser

COMMISSIONERS ABSENT

Marty Stimson
Lorna Puntillo

ADOPTION OF AGENDA

Move up items 23, 21, 2, 14 up after Public Participation

Motion was made by Dee Bruemmer to approve the agenda as amended. Seconded by Mary Boote. Motion carried unanimously.

APPROVED AS PRESENTED

APPROVAL OF MINUTES

Motion was made by Dolores Mertz to approve the May minutes as presented. Seconded by Brent Rastetter. Motion carried unanimously.

APPROVED AS AMENDED

DIRECTORS REMARKS

Director Lande shared that we are still unsure what the Department budget will be for FY12. We hope to know within the next 10 days. At this point in time, we are not anticipating a government shutdown.

CONTRACT – STATE HYGIENIC LABORATORY AT THE UNIVERSITY OF IOWA – WETLAND MONITORING LABORATORY SERVICES

Mary Skopec presented the following item.

Recommendation:

The Department requests Commission approval of a contract in the amount of \$94,527 with the State Hygienic Laboratory (SHL) for one year (May 17, 2011 through June 30, 2012).

Funding Source:

Project will be funded through Environmental Protection Agency State Wetland Grants.

Background:

The DNR conducts wetland monitoring to evaluate the health of wetland ecosystems in Iowa and to determine their impact in providing beneficial functions such as nutrient reduction, flood reduction, and habitat for wildlife and waterfowl species. The wetland monitoring is conducted using DNR or other contract staff and water samples are submitted to SHL for chemical (nitrogen, phosphorus, herbicide, etc.) and biological analyses (identification of wetland species).

Purpose:

The purpose of this contract is to provide analytical services for wetland monitoring to assess the quality of Iowa’s waterbodies.

Consulting Firm Selection Process:

The SHL was chosen as contractor based on the Code of Iowa (455B.103), which directs the DNR to contract with public agencies of the state. SHL was also chosen for this project due to their sample analysis expertise.

Statement of Work. Contractor shall perform the following tasks:

Obligation	Task Milestone Date
<p>Task 1: Analysis of Submitted Water Samples from DNR’s EPA Wetland Condition Index grant project: SHL shall provide chemical analysis of up to 90 wetland water samples provided by DNR staff or designated ISU graduate student (authorization for ISU student to submit samples shall be provided in writing to SHL prior to sampling). Samples for this activity shall be coded as DNR WETLANDISU.</p> <p>SHL shall provide sample containers and chain of custody paperwork for water samples to be collected by DNR staff during the contract period.</p> <p>DNR will pick up sample containers at the SHL Coralville facility and will deliver samples to SHL for analysis. These samples shall be analyzed for the analytes shown in Table 1 or as otherwise indicated on the chain of custody form provided with the sample.</p>	<p>Samples shall be analyzed no later than holding times established by SHL’s Quality Management Plan (March 25, 2010) (including standard operating procedures for laboratory analyses) unless authorized in writing by the Department.</p>
<p>Task 2: Analysis of Submitted Water Samples from DNR’s EPA Farmed Wetland grant project: SHL shall provide</p>	<p>Samples shall be analyzed no later than holding times</p>

	<p>chemical analysis of 45 wetland water samples provided by DNR staff. Samples for this activity shall be coded as DNR WETLAND_DRAIN.</p> <p>SHL shall provide sample containers and chain of custody paperwork for water samples to be collected by DNR staff during the contract period.</p> <p>DNR will pick up sample containers at the SHL Coralville facility and will deliver samples to SHL for analysis. These samples shall be analyzed for the analytes shown in Table 2 or as otherwise indicated on the chain of custody form provided with the sample</p>	<p>established by SHL's Quality Management Plan (March 25, 2010) (including standard operating procedures for laboratory analyses) unless authorized in writing by the Department.</p>
Task 3:	<p>Sample collection, handling, and analysis for all proceeding tasks shall be conducted according to applicable DNR and SHL QA/QC documentation.</p>	<p>No deadline – must follow the Quality Management Plan of the University Hygienic Laboratory, March 25, 2010 at all times.</p>
Task 4:	<p>Data from all previous tasks shall be transferred to the DNR in a STORET-compatible format for water chemistry data. Bioassessment data will be transferred to the DNR's Bioassessment database. Flow data and continuous dissolved oxygen and temperature data shall be transferred in mutually agreed upon formats.</p>	<p>Water chemistry data transferred no later than one month after collection.</p>

Table 1. List of Analytes for Wetland Condition Index Project

Tests	No. of Sites	No. of Sampling Rounds	Total Sampling Rounds
N-Series	18	5	90
P-Series	18	5	90
Total Dissolved Solids	18	5	90
Total Suspended Solids	18	5	90
Chlorophyll A	18	5	90
Chloride	18	5	90
Standard Herbicides	18	5	90
Acid Herbicides	18	5	90

Table 2. List of Analytes for Farmed Wetland Project

Tests	No. of Sites	No. of Sampling Rounds	Total Sampling Rounds
N-Series	15	3	45
P-Series	15	3	45
Chloride	15	3	45
Standard Herbicides and Organophosphate Insecticides	15	3	45
Chloroacetanilide Herbicide Degradates	15	3	45
Sulfonyl Herbicides and Imidazolinone Herbicides	15	3	45

Landowner participation in this monitoring is completely voluntarily and most areas are chosen randomly based on the hydrology of the land.

Motion was made by Dee Bruemmer to approve the contract as presented. Seconded by Dolores Mertz. Motion carried unanimously.

APPROVED AS PRESENTED

SOLID WASTE ALTERNATIVES PROGRAM – CONTRACT RECOMMENDATIONS

Brian Tormey presented the following item.

The Department received 16 proposals, requesting \$1,999,916 in financial assistance, for consideration during the April 2011 round of funding. Nine (9) projects were selected for funding or additional consideration. If approved they will receive \$1,089,733 in a combination of forgivable, zero-interest, and three-percent loans.

The review committee consisted of five persons representing the Land Quality Bureau (2), Iowa Society of Solid Waste Operations (1), Iowa Recycling Association (1), and the Iowa Waste Exchange (1).

The table below summarizes recommendations by applicant type, project type and by type of award.

Recommended By Applicant Type	# Awards	Award Amount	Forgivable Portion	Loan
Local Government	4	\$67,912	\$67,912	
Private For Profit	4	\$961,821	\$72,263	
Private Not For Profit	1	\$60,000	\$20,000	
Recommended By Project Type	# Awards	Award Amount	Forgivable Portion	Loan
Best Practices	8	\$1,029,733	\$140,175	
Market Development	0	\$0	\$0	
Education	1	\$60,000	\$20,000	
Type of Award	# Awards	Award Amount	Forgivable Portion	Loan
Forgivable loan only	5	\$80,175	\$80,175	
Forgivable and 0% loan only	2	\$207,125	\$40,000	
Forgivable, 0%, and 3% loan	2	\$802,433	\$40,000	

At this time, the Department is requesting Commission approval to enter into contracts with selected applicants whose awards will be in excess of \$25,000 subject to satisfactory review of business plans and other requested information.

A description of each recommended project, the project type, the amount and type of funding assistance is attached followed by a description of other proposals received but not recommended for funding.

The Department received 16 proposals, requesting \$1,999,916 in financial assistance, for consideration during the April 2011 round of funding. Nine (9) projects were selected for funding or additional consideration. If approved they will receive \$1,089,733 in a combination of forgivable, zero-interest, and three-percent loans.

The following provides a description of each project, the project type, and the amount and type of funding assistance. The descriptions are organized as projects above \$25,000, those \$25,000 and below, and proposals received but not selected.

PROPOSAL RECOMMENDATIONS: ABOVE \$25,000

BEST PRACTICES PROJECTS:

<p>Krajicek Pallet, Inc. 609 North 10th Street Denison, Iowa 51442</p>	<p>Forgivable Loan: \$ 20,000 Zero Interest Loan: \$150,000 3% Interest Loan: <u>\$332,433</u> Total Award Amount: \$502,433</p>
	<p>Cash Match: \$507,069 In-Kind Match: <u>\$317,600</u> Local Match: <u>\$824,669</u></p>
	<p>Total Project Cost: \$1,327,102</p>
<p>Project Title: Krajicek Wood Waste Alternative Recycling Program</p>	
<p>Contact: Ken Livingston Phone: 712-269-5276</p>	
<p>Project Type: Best Practices</p>	
<p>Applicant: Private for Profit</p>	
<p>Description: Krajicek Pallet applied for funds to purchase a Rotochopper, walking-floor trailers, wood kiln drying system, conveyors, and an out building that will allow them to expand their waste wood processing capacity and address several additional market opportunities currently available to them. The proposed project would increase Krajicek's wood waste diversion by 185 percent (from 7,027 to 20,000 tons) by year end 2012. In addition to increased diversion of wood waste from the landfill, the expansion is expected to create a minimum of four new jobs.</p>	
<p>Target Area: Western Iowa</p>	

<p>KAL Services, Inc. dba Midwest Sanitation 906 West 9th Street Pella, Iowa 50219</p>	<p>Forgivable Loan: \$ 20,000 Zero Interest Loan: \$127,125 3% Interest Loan: <u>\$ 0</u> Total Award Amount: \$147,125</p>
	<p>Cash Match: \$72,375 In-Kind Match: <u>\$126,193</u> Local Match: <u>\$198,568</u></p>
	<p>Total Project Cost: \$345,693</p>
<p>Project Title: Sortline Expansion</p>	
<p>Contact: Brian Vander Meiden Phone: 641-780-5610</p>	
<p>Project Type: Best Practices</p>	
<p>Applicant: Private for Profit</p>	
<p>Description: KAL Services / Midwest Sanitation applied for funds to purchase and put into service a high efficiency sort line and a closed-door baler to expand single-stream recycling services in southeast Iowa. The expanded facility is expected to increase current recycling by 30 percent or 200 tons per year and provide new employment opportunities for five individuals.</p>	
<p>Target Area: 50-mile radius of Oskaloosa, Iowa</p>	

<p>RAS Suppliers, LLC 2254 5th Avenue Marion, Iowa 52302</p>	<p>Forgivable Loan: \$ 20,000 Zero Interest Loan: \$150,000 3% Interest Loan: <u>\$130,000</u> Total Award Amount: \$300,000</p>
	<p>Cash Match: \$ 8,400 In-Kind Match: <u>\$11,600</u> Local Match: \$1,238,000</p>
	<p>Total Project Cost: \$1,538,000</p>
<p>Project Title: Asphalt Shingle Recycling Expansion</p>	
<p>Contact: Jennifer Bleeker Project Type: Best Practices Applicant: Private for Profit</p>	<p>Phone: 319-373-5549</p>
<p>Description:</p>	<p>To meet that growing demand, RAS Suppliers applied for funds to purchase and put into service processing equipment critical to producing a quality end product that meets or exceeds IDOT specifications and produces product (recycled asphalt shingles) at a rate sufficient to meeting current and future demand. RAS Suppliers proposes providing cost share totaling \$1,238,800, including \$1,003,000 for the construction of Iowa's first indoor RAS shingle recycling factory, and \$235,000 as cash match for equipment purchases.</p>
<p>Target Area:</p>	<p>East Central Iowa</p>

EDUCATION PROJECT:

<p>Kirkwood Community College 6301 Kirkwood Boulevard, SW Cedar Rapids, Iowa 52406</p>	<p>Forgivable Loan: \$20,000 Zero Interest Loan: \$40,000 3% Interest Loan: <u>\$ 0</u> Total Award Amount: \$60,000</p>
	<p>Cash Match: \$25,492 In-Kind Match: <u>\$36,836</u> Local Match: \$62,328</p>
	<p>Total Project Cost: \$122,328</p>
<p>Project Title: Campus-wide Single Stream Recycling: Kirkwood, Cedar Rapids</p>	
<p>Contact: Thomas Kaldenberg Project Type: Education Applicant: Private Not for Profit</p>	<p>Phone: 319-398-5569</p>
<p>Description:</p>	<p>Kirkwood Community College proposed a new recycling program for its Cedar Rapids main campus that will utilize a co-mingled, single-stream collection process to divert paper, plastic, and metal from the Cedar Rapids / Linn County landfill. SWAP funds requested would be used to purchase and put into service two (2) compactor dumpsters, 120 64-gallon collection receptacles, and to implement a campus wide recycling education campaign. Based on results of a pilot project conducted in 2010, the new program is expected to provide diversion equivalent to 50-70% of the materials currently going to the landfill.</p>
<p>Target Area:</p>	<p>Kirkwood Community College – Cedar Rapids Main Campus</p>

PROPOSAL RECOMMENDATIONS: \$25,000 AND BELOW

BEST PRACTICES PROJECTS:

The City of Woodbine
 517 Walker Street
 Woodbine, Iowa 51579

Forgivable Loan: \$14,000
Zero Interest Loan: \$ 0
3% Interest Loan: \$ 0
Total Award Amount: \$14,000

Cash Match: \$14,000
In-Kind Match: \$ 0
Local Match: \$14,000

Total Project Cost: \$28,000

Project Title:

Woodbine Curbside Recycling

Contact:
Project Type:
Applicant:

Joseph Gaa
 Best Practices
 Local Government

Phone: 712-647-2550

Description:

The City of Woodbine applied for funds to implement a curbside recycling program that will serve Woodbine's 700 households. The program will provide two reusable curbside recycling bins to each household, and recyclables will be separated into mixed paper and cardboard in one bin and aluminum cans, tin cans, and plastics (#s 1 - 7) in the other. The program is expected to divert 159 tons of recyclables from the Harrison County Landfill each year. As the first curbside recycling program implemented in Harrison County, the program is also expected to inspire neighboring communities to implement similar programs.

Target Area:

Woodbine, Iowa

City of Fonda
 104 West 2nd Street
 Fonda, Iowa 50540-0367

Forgivable Loan: \$13,912
Zero Interest Loan: \$ 0
3% Interest Loan: \$ 0
Total Award Amount: \$13,912

Cash Match: \$ 4,638
In-Kind Match: \$60,000
Local Match: \$64,638

Total Project Cost: \$78,550

Project Title:

Fonda Residential and Commercial Recycling Program

Contact:
Project Type:
Applicant:

Phyllis Menke
 Best Practices
 Local Government

Phone: 712-288-4466

Description:

The City of Fonda applied for funds to assist with the implementation of its curbside recycling program for Fonda's 320 households; a dumpster program for two apartment

complexes and eight of Fonda's largest commercial properties; and a recycling trailer to be used as a drop-off recycling program for residents where curbside pickup is not convenient. SWAP funds will be used to purchase 400 18-gallon curbside recycling bins, ten 3-yard roll-off recycling containers, and a recycling trailer. Projected annual diversion of recyclables from the landfill is 134 tons.

Target Area: Fonda, Iowa

**East Central Iowa
Council of Governments
700 16th Street NE, Suite 301
Cedar Rapids, Iowa 52402**

**Forgivable Loan: \$20,000
Zero Interest Loan: \$ 0
3% Interest Loan: \$ 0
Total Award Amount: \$20,000**

**Cash Match: \$11,225
In-Kind Match: \$31,500
Local Match: \$42,725**

Total Project Cost: \$62,725

Project Title: Tama County Recycling Drop-off Project
Contact: Jennifer Fencil **Phone:** 319-365-9941, ext. 301
Project Type: Best Practices
Applicant: Local Government

Description: ECICOG applied for SWAP funds on behalf of the Tama County Solid Waste Disposal Commission to improve the drop-off recycling program for residents and businesses in Tama County. The Tama County Recycling Drop-off project will update and improve recycling for residents and businesses in all 12 communities and at the Tama County Landfill. The improved drop-off program will provide consistency for containers and signage; decrease contamination; and increase the amount recycled. The project is expected to lead to an increase of 200 tons of recycled material collected over the first year.

Target Area: Tama County, Iowa

**Benton County Sanitary Landfill
7904 20th Avenue
Blairstown, Iowa 52209**

**Forgivable Loan: \$20,000
Zero Interest Loan: \$ 0
3% Interest Loan: \$ 0
Total Award Amount: \$20,000**

**Cash Match: \$ 8,400
In-Kind Match: \$11,600
Local Match: \$20,000**

Total Project Cost: \$40,000

Project Title:
Benton County Drop-off Recycling Project
Contact: Myron Parizek **Phone:** 319-472-2211
Project Type: Best Practices
Applicant: Local Government

Description: The Benton County Sanitary Landfill applied for funds to continue and improve the drop-off recycling program for rural residents and small businesses in Benton County. The Benton County Drop-off Recycling Project will maintain access to recycling for

rural residents and small businesses. The improved drop-off program will provide consistency for containers and signage, making it easier for the public to use and far more efficient for the landfill to manage. SWAP funds would be used to assist with the purchase of six (6) twenty-yard roll-off recycling containers, paint and signage for the containers, and educational materials and print advertising.

Target Area: Benton County, Iowa

Sears Manufacturing Company
 1718 South Concord Street
 Davenport, Iowa 52802

Forgivable Loan: \$12,263
Zero Interest Loan: \$ 0
3% Interest Loan: \$ 0
Total Award Amount: \$12,263

Cash Match: \$10,063
In-Kind Match: \$ 2,568
Local Match: \$12,631

Total Project Cost: \$24,894

Project Title: Plastics Recycling
Contact: Kyle Tucker
Project Type: Best Practices
Applicant: Private for Profit

Phone: 563-383-2870

Description: Sears Manufacturing Company, a Davenport-based manufacturer of suspension and non-suspension seating systems for the agriculture, construction, and material handling equipment, applied for funding to purchase and put into service recycling equipment for separating, collecting, and baling shrink wrap, thin foam, and plastic banding for recycling. Plastic currently makes up 40 percent of SMC's total waste going to the landfill, and recycling it will divert an estimated 27 tons of plastics from the landfill annually.

Target Area: Scott County, Iowa

PROPOSALS RECEIVED, NOT RECOMMENDED

BEST PRACTICES PROJECTS:

City of Rowley
 110 South Street
 Rowley, Iowa 52329

Total Amount Requested: \$12,457

Project Title: Kelly Neilson Park
Contact: Rita Knutson
Project Type: Best Practices
Applicant: Local Government

Phone: 319-938-2864

Description: The City of Rowley applied for funds to replace an existing play area with one that contains a minimum of 50 percent recyclable materials and is approximately 80 percent recyclable.

TMJ Construction Services 2335 210 th Street Ames, Iowa 50014		Total Amount Requested: \$168,250
Project Title:	Shingle Recycling Project	
Contact:	Chris Thompson	Phone: 515-232-1493
Project Type:	Best Practices	
Applicant:	Private for Profit	
Description:	TMJ applied for SWAP funds to establish an asphalt shingle recycling facility in Ames that would grind shingles to be used in the production of hot mix asphalt for paving projects. In addition to shingles collected from TMJ tear-offs, the company proposes to accept asbestos-free shingles from homeowners, other roofing companies, and dumpster companies, charging them a \$30 per ton disposal fee. First-year projected diversion of used shingles from the landfill is estimated to be 5,000 tons. The project would provide new employment opportunities for two individuals.	

Ciji Mitrisin 118 SE 4 th Street, Suite 103 Des Moines, Iowa 50309		Total Amount Requested: \$20,000
Project Title:	RecycleMe Iowa	
Contact:	Ciji Mitrisin	Phone: 641-660-4333
Project Type:	Best Practices	
Applicant:	Private for Profit	
Description:	Ciji Mitrisin applied for funding to pay the salaries of additional employees needed for maintaining and expanding RecycleMe Iowa, a doorstep recycling company designed to meet the recycling needs of Des Moines' metro area apartment tenants, small businesses, and special events.	

MARKET DEVELOPMENT PROJECTS:

The ReWall Company, LLC 3818 Wolcott Avenue Des Moines, Iowa 50321		Total Amount Requested: \$610,000
Project Title:	Polycoated Paper Waste Conversion Project	
Contact:	David Phillips	Phone: 515-490-5200
Project Type:	Market Development	
Applicant:	Private for Profit	
Description:	The ReWall Company is a Des Moines-based startup that applied for funds to assist with the purchase of equipment, feedstock materials, tenant improvements, and partial funding of salaries to produce structural fiberboard that recycles beverage cartons and cups in its manufacturing process. The beverage cartons (milk, orange juice, coffee cups...) are comprised of polyethylene, high fiber paper, and sometimes aluminum. The ReWall fiberboard would serve as a 'green' construction material that has the appearance of drywall, the durability of plywood, is mold and moisture resistant, is flexible, and provides thermal and acoustic insulation.	

T & S Scrap, LLC
 1135 Hayne Street
 Ottumwa, Iowa 52501

Total Amount Requested: \$18,735

Project Title: T & S Scrap Electronics and CRT Recycling
Contact: Travis Reinier **Phone:** 641-455-1478
Project Type: Market Development
Applicant: Private for Profit

Description: T & S Scrap is applied for funds to implement a new electronics recycling facility in southeast Iowa that would include e-material pickup and delivery, equipment de-manufacturing, certification of destruction, and sales of parts and/or functioning units.

Divine Waste, Inc.
 121 North Taylor Street
 Mt. Ayr, Iowa 50854

Total Amount Requested: \$45,375

Project Title: Polycoated Paper Waste Conversion Project
Contact: Tim Newton **Phone:** 515-238-6748
Project Type: Market Development
Applicant: Private for Profit

Description: Divine Waste applied for \$45,375 in loans to purchase and put into service drop-off recycling equipment, including two (2) drop-off recycling trailers, a baler, a forklift, and a skidloader. The recycling equipment would be used to establish a drop-off recycling program in Ringgold County.

Iowa State University, FP&M Utility Services
 Room 220 Power Plant
 Ames, Iowa 50011-4023

Total Amount Requested: \$35,366

Project Title: Feasibility Study to Investigate the Use of ISU Fly Ash to Make Bricks
Contact: Jeff Witt **Phone:** 515-294-8286
Project Type: Market Development
Applicant: Local Government

Description: ISU is looking for a cost effective and environmentally beneficial manner to remediate their fly ash stream and recently started working with Ecologic Tech to characterize ISU ash to determine its viability to make bricks that meet ASTM 216 clay brick standards for "severe weather" bricks. Requested funding would be used to assist with the cost of a study to investigate the feasibility of using ISU fly ash to make bricks to be used in the construction industry.

Motion was made by Dolores Mertz to approve the SWAP contracts as presented. Seconded by Nancy Couser. Motion carried unanimously.

APPROVED AS PRESENTED

CONTRACT – REGIONAL COLLECTION CENTER ESTABLISHMENT GRANT FOR PALO ALTO COUNTY SOLID WASTE AGENCY

Brian Tormey, Land Quality Bureau Chief presented the following item.

Recommendation:

The Department received and reviewed a Regional Collection Center Establishment Grant application from Palo Alto County Solid Waste Agency requesting \$39,991 in financial assistance to improve their hazardous materials collection and disposal program. Upon review of the application, the review committee recommends funding the applicant request.

Funding Source:

The Regional Collection Center Establishment Grant Program is funded with solid waste tonnage fees as established in the Groundwater Protection Act.

Background:

Iowa code requires the Department to establish facilities for the proper management and disposal of Household Hazardous Materials for both urban and rural populations. Regional Collection Centers are permanent facilities that provide household hazardous waste management education and on-going access to proper disposal of household hazardous materials generated by conditionally exempt small quantity generator (CESQG) businesses, urban and rural households, and farming operations. Household hazardous materials (HHMs) possess any or all of the following characteristics: toxic, corrosive, flammable or reactive.

A total of 4,830,045 pounds (more than 2,415 tons) of household hazardous waste was accepted, processed, recycled and disposed of through the RCC Program in FY 2010. These materials represent the most toxic materials in the solid waste stream and are being prevented from mixing with incompatible materials and entering Iowa's landfills.

Purpose:

The purpose of funding this application is to improve Regional Collection Center Services in Palo Alto County. The proposed project will establish a permanent collection facility, open year-round, serving households, farm operations and conditionally exempt small quantity generator businesses on a permanent, on-going basis. Currently the County relies on the Regional Collection Center in Clay County to conduct a one-day collection event sometime during the year.

Based on similar sized Regional Collection Center programs, the Palo Alto County satellite facility can expect to properly manage nearly 25,000 lbs of hazardous waste from households, farms, and small business generators in the first year, diverting these hazardous materials from the solid waste stream.

Through a partnership agreement with the Northern Plains Regional Collection Center in Clay County, hazardous materials collected in Palo Alto County will be transported to the Clay County facility for final processing and out-of-state recycling and disposal. This partnership arrangement will reduce overall disposal costs of both facilities.

At this time, the Department is requesting Commission approval to enter into a contract with Palo Alto County to establish a permanent, satellite Regional Collection Center facility.

REGIONAL COLLECTION CENTER ESTABLISHMENT PROGRAM

Following is a brief description of the RCC establishment grant application recommended for funding.

Applicant: Palo Alto County Solid Waste
3428 450th Avenue
Emmetsburg, Iowa 50536

Award Amount: \$39,991

Contact: Joe Neary (712) 852-3058

Cost Share Amount: \$ 1,000

Description: This application is to establish a satellite collection center providing increased convenience, year-round disposal opportunities and HHM education for Palo Alto County. The satellite facility will accept household hazardous materials year-round and will be located at the County Transfer Station. The facility will serve approximately 4119 households and approximately 75 conditionally exempt small quantity generator businesses. Hazardous materials accepted at the satellite facility in Palo Alto County will be collected for final processing and packaging and final disposition through a partnership with the Northern Plains Regional Collection Center, located in Clay County.

Dolores Mertz mentioned that she has visited this site and stated that this money is well spent and wishes to see more of this work in the state. Well done.

Motion was made by Dolores Mertz to approve the contract as presented. Seconded by Mary Boote. Motion carried unanimously.

APPROVED AS PRESENTED

PUBLIC PARTICIPATION

DAVID DANIELS, ICCI member said that Brent Rastetter is building a CAFO in my county and I see a potential conflict of interest when you are playing the game and building these facilities. Basically he is paid to play. What happens if this site was to come before the commission because of violations?

BRIAN KRAUSE, a farmer from Aldon County asked the commission to support the termination of the CAFO rule. We operate in a good manner in order to prevent issues to the groundwater. We drink from our own wells and we would never want to jeopardize our health or the health of others. We do our very best to prevent run-off, erosion and spills. Accidents do happen in all industries and businesses, but we implement the best practices as possible to avoid

them. We ask that you allow us to manage our manure and do what is best for our crops and soil. Fertilizer is expensive and we cannot afford to waste our money.

GERRY SCHNEPF, with Keep Iowa Beautiful submitted informational comments about Keep Iowa Beautiful, what it is and what it does. For more information, please visit: www.keeptowabeautiful.com

JUDY LONNING, a Des Moines resident, ICCI member and retired teacher said that Des Moines Water Works has raised its rates by 20 percent because of increase in nitrates. That sounds like a factory farm pollution problem to me. We need to start enforcing the Federal Clean Water Act. Every factory farm should have a clean water operating permit and if they pollute, their permit should be yanked and their operation shut down. There has been over 700 manure spills in our state. We need to crack down on the polluters and not just manage the after effects. There will be a heavier price to pay for exploiting our state. Factory farms need to be held to stricter requirements. Put people before profits! Iowa needs clean water now!

SUSAN BURGESS, ICCI member said that she hopes the EPC and DNR would reconsider the CAFO rules that support the Federal Clean Water Act. I understand that farmers are trying their best but there needs to be a compromise in cleaning up our water and regulating factory farms. Please reconsider the CAFO rules that are being dropped today.

LISA BEAN, ICCI member and representing the Raccoon River Watershed Association echoed Susan Burgess's comments. Iowans are interested in clean water and protecting the environment. We need to put a high economic value on our water. If we don't do it now, then we will be facing a lot more problems.

JUDITH CARLSON said that Bruce Rastetter has proposed to build a CAFO and there are 70 families within 2 miles of the proposed location. Many have moved out to this area for a quality of life in the country and now we have a proposed hog confinement being built in the area. The County Board of Supervisors disapproved of this site and has passed a resolution to stop this site. However, it is below the threshold of the rule. This is a conflict of interest with him on the commission. These families are not happy. Think if you were having manure run-off into your backyard.

TOM COBB from Muscatine County said that Brent Rastetter should resign because of his conflict of interest on the commission. We need to look at the dead zone in the Gulf of Mexico and the damage that it is causing. We need to stop using Iowa's streams and rivers as a source of the pollution.

NATALIE SNYDERS asked the commission to not throw out the rule that would require NPDES permits for CAFOs.

Also, Brent Rastetter continues to build operations in Boone and Adair counties. These factory farms are ruining families' lives. He should not be on a commission that is charged with protecting the environment.

ED RETHMAN, an ICCI member said that he served on a county planning and zoning commission and we were asked to recuse ourselves when there was a conflict of interest. Maybe EPC operates differently? If animal feeding operations paid the true costs of operating, the people would not be picking up the tab for the increased pollution.

BARB KOLBACH asked the commission not to stop the CAFO rule. There have been over 700 manure spills over the past few years.

Also, Commissioner Mary Boote has an interest in factory farms in developing countries. Commissioner Couser owns and operates a farm and Commissioner Rastetter builds factory farms. It seems to me that they should be excusing themselves from the discussion of the CAFO rules. If the good farmers are operating the best they can, then they should not fear these new rules.

KEITH FREIE, ICCI member demanded the Commissioners to clean up our water. Voluntary compliance doesn't work. Factory farm polluters need to be held accountable.

Commissioner Mertz and Commissioner Rastetter both have a personal interest in these CAFO rules. There is clearly a conflict of interest and you should not be voting. You are here because of the Branstad agenda. Discharges are illegal! If farmers are doing a bang up job on their farms then they shouldn't be afraid of the CAFO rule.

JUDY NEAL, ICCI member from southwest of Earlham said that she is concerned with clean water. EPC and DNR need to enforce Clean Water Act rules. We live two miles from factory farms and they are not good neighbors. When the air is bad they told her to sell her farm. One year ago, the DNR told them to plant trees at this site and to this day there are no trees planted. Commissioners Boote and Rastetter both build factory farms. How can you have folks on the Commission that are economically impacted by the proposed CAFO rules?

DAVID GOODNER, ICCI members said that there are a record number of factory farms in Iowa with record profits. We also have a record number of polluted waterways. I don't want anyone telling me that balance needs to be brought. There is no balance right now! They are making billions of dollars and the water continues to get worse! We need these rules now. Can anyone answer why we haven't issued a Clean Water permit to anyone when there are Federal rules that have been in place for the past 30 years? You don't believe in regulation yet you sit on a regulatory board. This is an excuse! I called EPA on Friday and asked them about this rule termination and they were unaware of this. This is something you probably negotiated with Branstad and not EPA. What's your plan for cleaning up Iowa's water? What is it? Where's your solution? When will we know what your proposals are to fix this?

PEGGY MILLER, registered nurse and farm kid said that she is the closest neighbor to Jimmy Carlson's hog factory???. We have lived there for 19 years. We have good local neighbors that are farmers but nothing like the large operations that we have today. I'm used to hogs. The operation next to us is on three sides of us. When they inject manure from a hog lot, the stench

fills our family room and basement. Because of my husband's asthma, he has to sleep in the mud room on a twin bed with an air purifier. We also are seeking a re-assessment of our house value. Our value is dropping. Our county commissioners are opposed to these confinements because of the loss of taxes. Home values greatly depreciate, employment numbers do not increase nor does our water get better. This is an out of state owner, that in December said that he didn't even know much about hog lots.

I also ask that you strongly consider Commissioner Rastetter's involvement with the commission.

BEN HOLLINGSBED, farmer and college graduate in the farming industry said that when people reference a factory farm they need to know what they are talking about. My grandma is 88 and in good health who lives within 3 miles of a factory farm. There is a lot of work and thought that goes into a manure management plan. Every gallon of manure is calculated and evaluated for what is needed. There is so much science in the application of manure. There are a lot of benefits to applying manure especially organic. We are doing this on a bigger scale but we ask that you look at the science. The rules we have in place are doing a good job.

KEITH FRY, addressed the comments made about Commissioner Rastetter and others. I've been at these meetings for a numbers of years and there has been an attorney on the commission that was involved with lawsuits. I don't believe that their involvement with this commission is a conflict of interest.

We haven't even seen any action out of the new commissioners yet. We don't know what they are or are not capable of. We need to give them a chance! Whenever you have a new official elected, you will have a change in commission and board members.

JEN WHITE, neighbors to Judy Neal and Peggy Miller in Boone said that she lives about one mile west of where the factory farm site is being proposed. We moved from Ames by the stadium out to the country for the fresh air and the creek in the backyard. We are now concerned with the air and water in our area. I'm hugely disappointed with the legislation in Iowa. This shouldn't be allowed.

BRANDON KING, a 4th generation hog farmer from Boone and previously employed by the City of Boone has worked with the DNR a lot. I believe there are things that are not being brought to the people's attention. There are communities that do not have adequate discharge equipment in place that are contributing to the pollution problems more than any hog lot.

ERIN ANTONIK, ICCI member said that Penny's husband doesn't need science when he has to sleep in the mud room! I echo the other comments about there being a conflict of interest in regards to the commissioners mentioned today.

KENN BOWEN, ICCI member from Winterset in Madison County said that he is concerned with clean water because we drink it, cook with it and bathe in it. I echo the comments about the folks that are running financially profitable operations. There are nearly 600 polluted waterways

and over 700 reported manure spills in Iowa. The job of the DNR and EPC is to stand up for clean water and air. It is not your job to bow down to the corporations. Put people first! I demand that you pass Clean Water Act rules now!

GLORI DEI FILIPPONE, citizen of Iowa gave a presentation on the petition for rulemaking. Kids vs. Global Warming.

For a copy of the presentation, please visit:

<http://www.iowadnr.gov/Portals/idnr/uploads/epc/11jun21s.pdf>

You have a moral responsibility to protect the nation's youth, natural resources and citizens. The U.S. is responsible for 30% of the world's carbon emissions. Every county, every state, every city, every person must reduce their carbon output.

The Public Trust Doctrine: A Public Property Right – Government has a firm fiduciary obligation to protect natural assets for citizens and for future generations

The Atmosphere is Part of the Trust

1. The atmosphere is a trust asset, one of the most important given that it is vital for life on Earth
2. Sovereign nations and states are co-tenant trustees
3. Our youth and all citizens are beneficiaries and have a right to a healthy planet
4. The government has a fiduciary obligation to protect this trust according to the best available science
5. The Government must prevent harm

Please consider my five points before you deny our petition. Let's be a leader in this and effect positive change.

=====~~End of public comments~~=====

Commissioner Mertz set the record straight and stated that she does not own any hogs. My sons own hogs and pay me cash for land rental. I have no financial gain from them.

There are 14 hog facilities within 2 miles of my house. I have been to the Mayo clinic for years for appointments and checkups and they've told me that I couldn't be healthier.

Commissioner Petty said that when you state facts you best be sure that they are correct and accurate, because we will call you on it. We also study the information we're given and have occupations in various businesses that greatly contribute to the benefit of this commission.

There are always two sides to a story and I will stand behind my commissioners.

DENIAL OF PETITION FOR RULEMAKING BY KIDS VS GLOBAL WARMING

Jim McGraw, Environmental Program Supervisor in the Air Quality Bureau presented the following item.

The Department is recommending that the Commission deny a Petition for Rulemaking submitted to the Department on May 4, 2011, for the reasons outlined below.

Background:

In the May 4, 2011, Petition for Rulemaking Petitioners proposed the adoption of “rules relating to carbon dioxide emissions.” The original Petitioner is Kids vs Global Warming, through Alec Loorz and Victoria Loorz of Oak View, California. Alec Loorz is a 16-year-old environmental activist and Victoria Loorz is his mother. Kids vs Global Warming is a non-profit organization established by Alec and Victoria Loorz. On June 1, 2011, the Department received a request from Our Children’s Trust, an Oregon domestic nonprofit corporation, and Glori Dei and Maria Filippone, of Des Moines, Iowa, that Glori Dei Filippone, a minor child, be added as an additional Petitioner.

Every state and the District of Columbia have been included in similar legal action, with lawsuits being filed in at least eleven states and petitions for rulemaking being filed in all the others. A federal lawsuit also has been filed. The plaintiffs and petitioners include various minor children. It also appears that all the lawsuits and petitions for rulemaking request actions by the states similar to the actions requested in the Iowa Petition for Rulemaking.

In its Petition for Rulemaking filed in Iowa Petitioners propose that carbon dioxide emissions from fossil fuels should peak in 2012; that statewide fossil fuel carbon dioxide emissions should be reduced by at least six percent per year beginning in 2013; and that the Department should develop and implement methods of tracking and reporting progress toward these goals, including the development and implementation of an inventory of emissions from greenhouse gases.

Procedural Requirements:

According to the provisions of Iowa Code section 17A.7(1) and 561 Iowa Administrative Code chapter 5, the Department must deny the Petition or originate rulemaking proceedings within sixty days after submission of the Petition, unless a longer period of time is agreed to by the Petitioners. Since the Petition was filed on May 4, 2011, action must be taken by the Department by July 4, 2011, in order for action to occur within sixty days of filing.

Proposed Denial:

DNR recommends that the Petition for Rulemaking be denied. The State of Iowa already has adopted regulations regarding greenhouse gases and DNR recommends refraining from proceeding with adoption of the Petitioners’ proposed rules in anticipation of federal rulemaking regarding greenhouse gases.

Concerning the Petitioners’ proposal for a rule requiring a “comprehensive inventory of emissions of greenhouse gases from all sectors of the state economy,” the State of Iowa already has a greenhouse gas inventory requirement, pursuant to the provisions of Iowa Code section 455B.152. An inventory of Iowa’s greenhouse gas emissions from 2009, as well as prior years, is available on the Department’s website at <http://www.iowadnr.gov/air/prof/ghg/ghg.html>.

The State of Iowa also has rules requiring a phased process of including facilities emitting above defined thresholds of greenhouse gases in the already-existing Prevention of Significant Deterioration (PSD) and Title V air quality permitting programs. The first phase began on January 2, 2011, when facilities already subject to PSD and that also emit greenhouse gases above a certain threshold became subject to PSD permitting. The second phase will begin on July 1, 2011, when a facility will be subject to PSD permitting requirements if the facility is a new stationary source that will emit or has the potential to emit 100,000 tons per year (tpy) carbon dioxide equivalents (CO₂e); or if the facility is an existing stationary source that emits or has the potential to emit 100,000 tpy CO₂e and when such stationary source undertakes a physical change or a change in the method of operation that will result in an emissions increase of 75,000 tpy CO₂e or more. A copy of the Administrative Rules Bulletin article containing the adopted and filed rules phasing in the inclusion of greenhouse gases in PSD and Title V air permitting is attached as Exhibit "C."

In anticipation of the federal greenhouse gas New Source Performance Standards for electric generating units and petroleum refineries becoming final federal rules, the Department should refrain from proceeding with a plan to adopt at this time the extensive and potentially conflicting greenhouse gas program proposed by Petitioners. The rules requested by the Petitioners would likely be inconsistent with and may be more stringent than the currently planned EPA greenhouse gas New Source Performance Standards for electric generating units and petroleum refineries. See Iowa Code section 455B.133(4). EPA has announced plans to establish a greenhouse gas New Source Performance Standard for new and modified oil, natural gas and coal electric generating units and to establish greenhouse gas emission guidelines for existing electric generating units, with proposed federal regulations issued by July 26, 2011 and final regulations adopted by May 26, 2012. EPA also has announced plans to establish a greenhouse gas New Source Performance Standard for new and modified refineries, and a greenhouse gas New Source Performance Standard for emission guidelines for existing refineries, with proposed federal regulations issued by December 10, 2011 and final regulations adopted by November 10, 2012.

Finally, the Department's adoption of the Petitioners' proposed greenhouse gas program would necessitate the designation of resources and funding to this program. Without additional legislatively appropriated funding, the Department is unable to develop and administer the type of greenhouse gas program anticipated by the Petition for Rulemaking.

If the Commission approves this denial of the Petition for Rulemaking, the denial will be published in the Iowa Administrative Bulletin on July 13, 2011.

Motion was made by John Glen to deny the petition for rulemaking as presented. Seconded by Brent Rastetter. Motion carried unanimously.

Dee Bruemmer asked that when the Department knows we have 60 days to review and make a decision it would be nice to have more time to review the materials. I know the Department has mentioned this petition for rulemaking previously but the Commission was given a lot of information to review in such a short time.

RULEMAKING PETITION DENIED**NOTICE OF TERMINATION: AMENDMENTS TO CHAPTERS 60, 63, 64 AND 65,
ANIMAL FEEDING OPERATIONS AND RELATED NPDES RULES CHAPTERS**

Randy Clark, DNR Attorney presented the following item.

As required by the Iowa General Assembly earlier this year, the proposed amendments were intended to update the Department's rules regarding confinement feeding operations to conform with 2008 federal regulations pertaining to NPDES permits. In addition, the proposed amendments included revisions to open feedlot rules and related NPDES rules as necessary to conform to the 2008 federal regulations, and several "housekeeping" type corrections and updates.

Portions of the 2008 federal regulations were vacated by the U.S. Court of Appeals in March and the Department is not able to determine the status of the federal regulations in time to comply with the 180 day time limit for completion of rulemaking which expires on July 10, 2011. Therefore, it is requested that the Commission terminate this rulemaking project.

At this point in time, we do not know what the future proposed rules will be and we don't believe that EPA knows either.

Department staff has spoken with a few ICCI members about why we are terminating this rulemaking package and EPA has been informed of this termination.

Dee Bruemmer said that for future reference when a rulemaking comes forward and it is requested to be terminated, would it be possible to identify "housekeeping" items within the rulemaking that are not associated with the need to terminate and that still need to be cleaned up? Could we proceed with approval on those to make your efforts worth it?

Randy Clark said that it would be difficult to separate out the items that are not associated with the NPDES permit program in this particular case.

Motion was made by Mary Boote to terminate the rulemaking as proposed. Seconded by Nancy Couser. Motion carried unanimously.

APPROVED AS PRESENTED**CONTRACT WITH UNIVERSITY OF IOWA FOR 2012 SHL SERVICES IN SUPPORT OF
THE DNR AIR QUALITY BUREAU**

Sean Fitzsimmons, Environmental Specialist Senior in the Air Quality Bureau presented the following item.

Recommendation:

The department requests Commission approval for a one year-service contract in the amount of \$2,045,395 with the State Hygienic Laboratory at the University of Iowa (SHL). The contract begins on July 1, 2011 and ends on June 30, 2012.

Funding Sources:

Funding for this contract consists of federal 103 grant funds (\$387,451), air contaminant funds (\$1,345,000), and State "Environment First" Infrastructure funds (\$312,944).

Background:

Under Iowa Code 455B.133, the department has responsibility for conducting ambient air monitoring in the State of Iowa. For over thirty years, the department has contracted with the Hygienic Laboratory to perform this essential service. SHL currently operates most of the ambient air monitoring sites in Iowa. It also provides analytical and technical support for ambient air monitoring activities throughout the State. It weighs and determines the ionic composition of particulate samples and performs analysis of air samples for many toxic compounds found in urban air. SHL also provides analysis of asbestos samples gathered by DNR inspectors. The SHL quality assurance group conducts annual audits of SHL ambient air monitoring activities as well as those of the Local Programs. This contract provides for a continuation of these essential services.

Purpose:

The parties propose to enter into this contract for the purpose of retaining SHL to perform ambient monitoring and related services in support of the department's Air Quality Bureau.

Consulting Firm Selection Process:

Competitive bidding was not required for this contract in accordance with Iowa Code 455B.103, which directs the department to contract with other State agencies for services, if possible. Iowa Code 263.7 establishes environmental investigations as an essential duty of SHL, and SHL has considerable experience and expertise in this area.

Motion was made by John Glenn to approve the contract as presented. Seconded by Brent Rastetter. Motion carried unanimously.

APPROVED AS PRESENTED

CLEAN WATER AND DRINKING WATER STATE REVOLVING LOAN FUND – FY 2012 INTENDED USE PLANS

Patti Cale-Finnegan, DNR SRF Coordinator and Lori Beary with the Iowa Finance Authority presented the following item.

Commission approval is requested for the Clean Water State Revolving Fund (CWSRF) and Drinking Water State Revolving Fund (DWSRF) Intended Use Plans (IUPs) for FY 2012 (July 1, 2011 – June 30, 2012). The Iowa SRF continues to grow and expand its role as one of the primary funding sources for water quality and protection of public health. Since 1989, the Iowa SRF has committed \$1.7 billion for water and wastewater infrastructure and nonpoint source pollution control.

The Iowa SRF is operated through a coordinated partnership between the Department of Natural Resources (DNR) and the Iowa Finance Authority (IFA). DNR administers the environmental and permitting aspects of the programs, with IFA providing financial assistance including loan approval and disbursements.

The FY 2012 IUPs include plans of action for the SRF programs, including goals and objectives, an analysis of current and projected financial capability, financial management strategies, the project priority lists, discussion of set-aside programs and efforts, and planned uses for administrative accounts.

The CWSRF provides low-interest loans for wastewater and storm water infrastructure improvements and nonpoint source water quality projects. Since 1989, the Iowa CWSRF has committed \$1.2 billion for wastewater upgrades and \$105 million for non-point source projects. The FY 2012 IUP shows project requests totaling \$572 million, plus \$29.5 million for non-point source projects. It is anticipated that approximately \$419 million will be disbursed during FY 2012 for new loans and projects still drawing on loans signed in previous years.

Since 2000, the DWSRF has committed \$491 million in loans to public water supplies to protect public health and improve infrastructure. The FY 2012 IUP shows funding requests totaling \$186 million. It is anticipated that approximately \$137 million will be disbursed during FY 2012.

The Sources and Uses tables for both CWSRF and DWSRF show that funds are available or obtainable to provide anticipated disbursements. The IUPs will be updated quarterly during FY 2012. Iowa continues to be able to fund all projects that are eligible for SRF assistance.

The SRF programs have undergone significant changes in recent years due to actions at the federal level. With increased funding have come new requirements. During FY 2009, \$77 million in federal stimulus funds through the American Recovery and Reinvestment Act (ARRA) were allocated to Iowa's SRF programs. ARRA included new requirements such as Davis-Bacon prevailing wages, Buy American, additional subsidization, and green projects.

The federal fiscal year 2010 appropriations for the SRF programs carried over the ARRA requirements, minus Buy American. Iowa solicited for green projects and identified disadvantaged communities for loan forgiveness during 2011.

Congress passed a continuing resolution for the federal 2011 appropriations that continued the 2010 requirements. EPA guidance on these requirements was issued in late May 2011. Now that the guidance has been finalized, Iowa's SRF program can respond and plan for compliance. Our plans for the implementation of these requirements will be presented in IUP updates this year.

A public meeting was held May 12, 2011 to receive comments on the proposed IUP updates. No oral comments were provided at the hearing. The written comment period closed on May 19, 2011. The U.S. Environmental Protection Agency Region 7 SRF staff provided written comments. The comments primarily requested that data and information typically included in the SRF capitalization grant agreements be noted in the IUPs. Changes were made to the IUPs in response.

Roger Lande asked how communities are approached or decide to get involved with this program?

Patti Cale-Finnegan said that is completely voluntary but we do share and market this information and the funds so they know what is available to them. Every facility needs to pull a permit from the DNR so we make this information available to them at that time.

John Glenn abstained from voting due to a conflict of interest, because of his working relationship with Rathbun Rural Water Association.

Motion was made by Dee Bruemmer to approve the SRF Intended Use plans as presented. Seconded by Dolores Mertz. Motion carried unanimously

APPROVED AS PRESENTED

CONTRACT AMENDMENTS – UTILITY MANAGEMENT ORGANIZATION GRANTS FOR WASTEWATER SERVICES TO SMALL AND UNSEWERED COMMUNITIES

Patti Cale-Finnegan, DNR SRF Coordinator presented the following item.

Recommendations:

Commission approval is requested for a one [1] year service contract extension with each of the following Utility Management Organizations (UMOs):

- ADLM Facilities Management Systems (Contract # 2009-7123-05)
- Eastern Iowa Regional Utility Service Systems (Contract # 2009-7123-04)
- Regional Utility Service Systems (Contract # 2009-7123-01)

- Rural Utility Solutions (Contract # 2009-7123-03)
- Wastewater Management Services of Central Iowa (Contract # 2009-7123-06)

The contract amendments will begin on July 1, 2011 and terminate on June 30, 2012. The total amount of the contract amendments shall not exceed \$50,000 each.

Funding Source:

The funding for these contract amendments comes from \$250,000 to be approved in the FY 2012 Clean Water State Revolving Fund (CWSRF) Intended Use Plan. A portion of the loan fees paid by CWSRF borrowers (non-program income) may be used for general water quality efforts, and the DNR has proposed using it to continue to support regional efforts to address wastewater needs for small communities.

Background:

Many rural communities in Iowa provide little or no wastewater treatment. Discharge of untreated or partially treated waste presents a significant human health risk and potentially degrades ground and surface water quality. Viable waste treatment solutions are difficult and costly, often exceeding the local capacity for planning, financing, and management. Even small rural communities currently served by a wastewater system often lack adequate managerial capability to ensure they are operating in a manner which protects the environment and public health.

Regional utility management organizations (UMOs) assist these communities by providing management services to handle planning, project construction, financial capacity, permitting, operations, and delivery of services. UMOs have been organized to operate on a multi-county and multi-community scale.

DNR has been successful in working with three types of management organizations: rural water associations, multi-county 28E cooperative management programs, and a multi-county environmental health group.

With the influx of federal and state stimulus funds to USDA Rural Development, the UMOs are well positioned to assist small and unsewered communities to take advantage of the increased funding opportunities.

The DNR will gradually phase out the grant funding for the UMOs as they gain users and build their sustainability through user and project administration fees.

Purpose:

These contracts have been created to help build sustainable utility management organizations (UMOs). These groups are to manage the wastewater infrastructure in small communities that are unincorporated and/or too small to effectively manage this infrastructure. These management

entities will help establish wastewater infrastructure in unsewered communities and offer to manage the infrastructure in somewhat larger communities that could benefit from this service.

Contractor Selection Process:

The original contractors were chosen through a competitive selection process conducted by DNR in spring 2008. Six contracts for \$40,000 to \$50,000 each were approved by the EPC in June 2008. In the spring of 2009, the duties of handling the UMO contracts were transferred to the Water Quality Advocate contract between DNR and the Iowa Department of Economic Development (IDED). In March 2010, the Water Quality Advocate at IDED was reassigned internally and that contract was not renewed. Contract management for the UMO efforts was transferred back to DNR and is now being covered by the Water Quality Bureau executive officer and the State Revolving Fund Coordinator.

These third proposed contract amendments are for \$50,000 each and are being presented to the Commission for approval. The contract with Xenia Rural Water District was not renewed after the FY10 amendment expired. The rationale for renewing these contracts, versus reopening a competitive solicitation, hinges on the fact that there are a limited number of utility management organizations.

Mary Boote asked how many times this contract can be renewed.

Ed Tormey said it's state law that a contract, including all optional renewals, cannot exceed a term of 6 years.

Brent Rastetter asked if the Lake Delhi Dam is going to be rebuilt?

Wayne Gieselman said that money has been set aside for a feasibility study and the Legislature is still debating whether or not the dam will be rebuilt.

Patti Cale-Finnegan said that Lake Delhi is the number one unsewered community in Iowa right now.

Roger Lande said that if they want to continue to rebuild the dam and their community in accordance with state law and meet all requirements, the costs would be great.

Motion was made by John Glenn to approve the contract as presented. Seconded by Dee Bruemmer. Motion carried unanimously.

APPROVED AS PRESENTED

CONTRACT – CITY OF SEYMOUR – DERELICT BUILDING DECONSTRUCTION PILOT PROJECT

Brian Tormey, DNR Land Quality Bureau Chief presented the following item.

Recommendation:

The Department requests Commission approval of a contract not to exceed \$90,000 with the City of Seymour (population 800) for the deconstruction and beneficial reuse of non-asbestos containing materials of two adjoining derelict buildings located at 130 N. 4th Street and 114 N. 4th Street. It is anticipated the contract duration will be approximately three months.

Funding Source:

This pilot derelict building deconstruction project will be jointly funded as follows:

- \$25,000 – City of Seymour (Grantee)
- \$25,000 – Iowa Brownfield Redevelopment Program (Federal)
- \$90,000 – Solid Waste Alternatives Program (Solid Waste Tonnage Fee)

Background:

Many communities have problems with nuisance properties that are in an extremely dilapidated condition. These create health and safety problems for the community and have a blighting influence on the use and value of neighboring properties. Smaller communities lack the resources needed to address nuisance properties effectively. When they are able to address them, often times these structures are in such a dilapidated state that the only solution is to demolish or burn the property and dispose of them in a landfill.

Creating a program to address derelict buildings in small communities would aide local governments by providing funding assistance to abate such structures of asbestos and hazardous materials, rehabilitate structures so that they can maintain habitable housing or operable business and, if that option isn't feasible, deconstruct the buildings to recycle materials that still have value or can be beneficially reused. In addition, approximately 20% of the solid waste currently being disposed in Iowa landfills is construction and demolition debris. By providing an incentive for deconstruction projects it could drive a demand for such services from contractors and increase landfill diversion of these materials.

Purpose:

To pilot a derelict building deconstruction project by addressing two structures in the City of Seymour. The project will provide valuable information assisting with the development of an ongoing derelict building program. The project will focus on beneficial reuse of select building materials as a means of maximizing landfill diversion.

At this time we request the Commission's approval to enter into an agreement with the City of Seymour.

Motion was made by John Glenn to approve the contract as presented. Seconded by Mary Boote. Motion carried unanimously.

APPROVED AS PRESENTED

CONTRACT WITH THE UNIVERSITY OF NORTHERN IOWA, IOWA WASTE REDUCTION CENTER – IOWA WASTE EXCHANGE PROGRAM TECHNICAL ASSISTANCE, DATABASE MANAGEMENT AND TRAINING

Brian Tormey, DNR Land Quality Bureau Chief presented the following item.

Recommendation:

The Department requests Commission approval of a contract in the amount of \$30,000 with the University of Northern Iowa, Iowa Waste Reduction Center for one year. The contract is for the University to provide technical assistance, database management and training for the Iowa Waste Exchange program.

Funding Source:

This project will be funded through the Groundwater Protection Fund, Solid Waste Account where monies are received from the tonnage fee imposed under section 455B.310.

Background:

Iowa code 455E.11(2)(a)(2)(c) Groundwater Protection Fund, requires the following:

The Department shall expend not more than thirty thousand dollars of the moneys appropriated under this subparagraph subdivision to contract with the by-products and waste search service at the University of Northern Iowa to provide training and other technical services to grantees under the program.

Purpose:

The purpose of this contract is to provide technical assistance, database management and training to the Iowa Waste Exchange program and its Representatives.

Consulting Firm Selection Process:

A selection process was not completed because these moneys are legislated to be distributed to the University of Northern Iowa.

Based on the Iowa Code and existing relationships with the University of Northern Iowa, we recommend the contract for the University of Northern Iowa, Iowa Waste Reduction Center be awarded.

**EXHIBIT A
STATEMENT OF WORK**

The Department's stated objective is for the Iowa Waste Reduction Center (the Contractor) to provide technical assistance and database maintenance and coordination for the Iowa Waste

Exchange program as approved by the Department. The services included below may be amended at any time by the Department or the Contractor upon prior approval by the Department. The Contractor will provide the following tangible products:

I. Technical Assistance Services

The Contractor shall deliver technical assistance services requested by the Department to the Iowa Waste Exchange (IWE) program to improve overall service of the Iowa Waste Exchange database and beneficial results for the program's clients. Services may include the following:

- a. Reviewing sample listings of potential markets to determine if they meet the minimum qualifications necessary to be listed on the IWE database
- b. Electronically updating and distributing the Iowa Waste Exchange Handbook to the Department and all IWE area resource specialists
- c. Conducting database training for all IWE program staff and partners
- d. Assisting the Department with the maintenance of the IWE database
- e. Identifying database improvements and updates and serving as a team member for additional database improvements
- f. Maintaining lists of bugs utilizing the Iowa DNR's BugTracker.net application that will be provided to the Contractor
- g. Verifying available and wanted materials submitted by the public
- h. Coordinating the testing of fixes and new features within 10 days of the release.
- i. Maintaining and prioritizing a list of future enhancements for the upcoming version of the database.
- j. Maintaining Group Messages in the database

II. Reports

The Contractor shall submit monthly and final performance reports that have a narrative discussion of delivery of technical assistance services including, but not limited to:

1. All work conducted related to Section I above, Technical Assistance Services, for which the Contractor is seeking reimbursement
2. Training provided to the IWE program representatives
3. IWE services provided to IWE clients contacting the Contractor including number of contacts and services provided
4. Report current status of open bugs from BugTracker.net application
5. Media related contacts received by or initiated by the Contractor related to the IWE, and number of client inquiries for IWE assistance received directly by UNI staff, and
6. Report on other services provided by the Contractor not listed above but that are related to the IWE.

Motion was made by Dee Bruemmer to approve the contract as presented. Seconded by Motion carried unanimously.

2.48.10

APPROVED AS PRESENTED

CONTRACT WITH THE STATE HYGIENIC LABORATORY AT THE UNIVERSITY OF IOWA FOR LABORATORY SERVICES FOR CONTAMINATED SITES PROGRAM

Brian Tormey, DNR Land Quality Bureau Chief presented the following item.

Recommendations:

Commission approval is requested for a one year-service contract with University of Iowa Hygienic Lab. The contract will begin on July 1, 2011 and terminate on June 30, 2012. The total amount of this contract shall not exceed \$65,000.

Funding Source:

This contract will be funded through EPA CERCLA, EPA Brownfields, and state Hazardous Waste Remedial Funds. No general fund monies are used.

Background:

Under various state and federal programs the Contaminated Sites Section of IDNR conducts investigations of environmental contamination. This process involves the collection of samples of unknown chemicals or environmental media potentially contaminated by chemicals. In order to positively identify and quantify the concentration of those chemicals it is necessary to have them analyzed by a qualified laboratory.

Purpose:

The parties propose to enter into this Contract for the purpose of retaining the Contractor to provide necessary analytical services.

Motion was made by Dolores Mertz to approve the contract as presented. Seconded by Brent Rastetter. Motion carried unanimously.

APPROVED AS PRESENTED

CONTRACT WITH THE STATE HYGIENIC LABORATORY AT THE UNIVERSITY OF IOWA FOR LABORATORY SERVICES AND CORRECTIVE ACTION SPECIALIST FOR UNDERGROUND STORAGE TANK PROGRAM

Brian Tormey, DNR Land Quality Bureau Chief presented the following item.

Recommendations:

Commission approval is requested for a one year-service contract with the State Hygienic Laboratory at The University of Iowa, Iowa City, Iowa. The contract will begin on July 1, 2011 and terminate on June 30, 2012. The total amount of this contract shall not exceed \$93,735.

Funding Source:

This contract will be funded through the U.S. Environmental Protection Agency, LUST Trust Prevention Grant, CFDA No. 66.804 and the LUST Trust Corrective Action Grant, CFDA No. 66.805.

Background:

The overall function of this contract is to aid the Director of the Iowa Department of Natural Resources in determining the quality of the environment of the state of Iowa by providing laboratory services and the summarizing and reporting of environmental quality data to the DNR. Another function is to provide the services of one temporary Corrective Action Specialist position. All services will be performed in support of the environmental regulatory programs of the Underground Storage Tank (UST) Section.

Purpose:

The parties propose to enter into this Contract for the purpose of assisting the DNR by providing laboratory services for the Underground Storage Tank (UST) regulatory program. This support will include analysis of samples from various media (soil, groundwater, vapor, receptors) at UST sites, and summarizing and reporting on the environmental quality data. Samples may be analyzed for a variety of chemistry parameters related to petroleum products. This is referred to as Task 1.

In addition, the parties have entered into this Contract for the purpose of providing a temporary staff position to facilitate corrective action planning meetings for leaking underground storage tank (LUST) sites. The position is a Corrective Action Specialist who assists in facilitating meetings with affected parties, coordinating remediation activities, and providing technical assistance at LUST sites. This is referred to as Task 2.

Contractor Selection Process:

The State Hygienic Laboratory at The University of Iowa was chosen for this project because it is the state of Iowa's Environmental and Public Health Laboratory. The Department has several contracts with the laboratory to provide analytical services.

Roger Lande asked if the 625 high risk sites will continue to increase.

Brian Tormey said that the number of sites may slowly increase.

Dolores Mertz asked how much money the UST fund receives?

Wayne Gieselman said that they get about \$17.5 million every year. Currently, they have about \$13 million in balance. This fund is due to sunset in 2016.

Motion was made by Dolores Mertz to approve the contract as presented. Seconded by Brent Rastetter. Motion carried unanimously.

APPROVED AS PRESENTED

CONTRACT AMENDMENT WITH UNIVERSITY OF IOWA FOR DAM SAFETY INSPECTORS

Lori McDaniel in the Water Quality Bureau presented the following item.

Recommendations:

Commission approval is requested for a contract to continue to retain 2 part time dam inspectors through the University of Iowa of Iowa City, Iowa for 12 months. The contract begins on July 1, 2011 and terminates on June 30, 2012. The contract amount is not to exceed \$59,108 for this period.

Funding Source:

This contract is funded through the federal Dam Safety Grant (CFDA 97.041) and Iowa Infrastructure Funds (50/50).

After the floods of 2008, a high priority was put on flood plain management and dam safety in Iowa. During the 2009 Legislative Session, HF822 Infrastructure Fund Appropriations was passed. Section 7(b) states the following:

“b. For floodplain management and dam safety, notwithstanding section 8.57, subsection 6, paragraph “c”..... \$ 2,000,000 Of the amounts appropriated in this lettered paragraph, up to \$400,000 is authorized for stream gages to be used for tracking and predicting flood events and for compiling necessary data relating to flood frequency analysis. Of the number of full-time equivalent positions authorized to the department for FY 2009=2010 pursuant to 2009 Iowa Acts, Senate File 467, if enacted, up to 21.00 full-time equivalent positions shall be allocated for the floodplain management and dam safety program.”

This appropriation was continued for SFY11 and is proposed in all budgets for SFY12. Each contract has a provision for termination if the funding becomes unavailable.

Background:

The Iowa Department of Natural Resources has the authority to perform periodic inspections of dams to ensure the safety of human life and property.

The DNR's Dam Safety Program is tasked with protecting the public from risks associated with dams. The stored water behind a dam can cause extensive damage downstream if the dam should fail. The DNR inspects dams meeting these criteria:

- All high hazard dams (every two years)
- Moderate hazard dams with permanent water storage or more than 100 acre feet and with more than 250 acre feet of top of dam storage (every five years)
- Dams where the storage capacity multiplied by the dam's height is greater than 30,000 (every five years)
- The DNR will also visit dams that show possible signs of failure or at the request of a dam owner.

Inspectors look for:

- Damage to the embankment, including vegetation, waterline erosion, poor slope stability, damage from burrowing rodents and signs of seepage.
- The condition of the dam's main spillway, making sure it is clear of debris and structurally sound, and other parts of the spillway are working.
- The condition of the emergency spillway, ensuring it is free of trees, brush and debris.
- Functioning drains and outlets.
- Any changes to conditions or land uses downstream.
- Verification the dam is operating under its permit conditions.

Currently, dam safety program staff is working with about 40 owners of dams that have not been ranked "satisfactory." Generally, these dams need repairs to their spillways, need trees removed, have seepage problems or need to be brought up to modern design criteria.

Purpose:

The parties propose to enter into this Contract for the purpose of retaining the Contractor to provide: 2 Dam Safety Inspectors on a part time/hourly basis.

Inspections are completed by the two part-time contract inspectors, Dick Hall out of Sioux City and Larry Dorgan out of Creston. Both are retired NRCS engineers. The DNR's senior dam safety engineer assigns dam inspections to each inspector. After the inspection is completed, the report is sent back to the dam safety engineer, who then begins any compliance follow-up actions as necessary.

Lori McDaniel said that we own less than 50 dams in the state and some of those are high-risks dams. We are working on plans to address these issues.

Dave Petty asked if there is a program that would address the issues that are found with bad dams.

Lori McDaniel said that the low head dam program would assist with some issues, mainly with low head dams because they can be dangerous.

Motion was made by John Glenn to approve the contract as presented. Seconded by Nancy Couser. Motion carried unanimously.

APPROVED AS PRESENTED

CONTRACT WITH UNIVERSITY OF IOWA (IOWA FLOOD CENTER) FOR BRIDGE MOUNTED STREAM/RIVER SENSORS

Lori McDaniel in the Water Quality Bureau presented the following item.

Recommendations:

Commission approval is requested for a service contract with University of Iowa (Iowa Flood Center). The contract will begin on 7/1/2011 and terminate when the tasks are complete which is projected to be January 1, 2012. This is a fixed amount contract for \$175,000.

Funding Source:

The source of funding for this Contract is Environment First Funds appropriated by the Iowa General Assembly in 2010 according to SF2389. Section 7a of the bill appropriates \$2 million to the DNR for floodplain management and dam safety and "of the amounts appropriated in this lettered paragraph, up to \$400,000 is authorized for stream gages to be used for tracking and predicting flood events and for compiling necessary data relating to flood frequency analysis."

Purpose:

In 2010, the Iowa Flood Center at the University of Iowa was contracted by the Iowa DNR to install 50 bridge-mounted stream-level sensors on various bridges across the state (A section of the original proposal is attached for additional information on the bridge sensor). Those sensors are working properly and transmitting flow data in real time that can be monitored at any time. This contract is for the Iowa Flood Center to install 50 additional sensors broadening the network of monitored locations.

The Iowa Flood Center (IFC) will deploy 50 bridge-mounted sensors in 2011 and provide training for the operation and maintenance of the sensors. Cities and counties willing to cooperate in the second year of this project will be selected by the IFC. Cooperators will be

responsible for the on-going maintenance costs for each unit. The IFC will also maintain the web-based map interface for accessing sensors information in real-time that they developed in 2010.

STATEMENT OF WORK

Obligation	Task Milestone Date
Task 1: Construct 50 wireless ultrasound stream-level sensors	September 1, 2011
Task 2: Deploy each of the 50 sensors at locations identified and prioritized by the IFC	January 1, 2012
Task 3: Maintain the web-based map interface for accessing sensors information in real-time	Continuous

Nancy Couser asked if the sensors are used for emergency management or evacuation?

Lori McDaniel said that the initial cameras/monitors were used for that purpose. It's up to the local emergency officials to decide if it's beneficial information.

Dee Bruemmer said that it seems that this information should be a part of the emergency plans for these communities. Gauges are great for cities and municipalities.

Lori McDaniel said that wherever these gauges are placed, the counties and/or cities are responsible for the costs of maintenance and upgrades.

Motion was made by Dee Bruemmer to approve the contract as presented. Seconded by Brent Rastetter. Motion carried unanimously.

APPROVED AS PRESENTED

CONTRACT WITH IDALS-DSC FOR NONPOINT SOURCE PROGRAM BASIN COORDINATOR STAFFING ASSISTANCE

Steve Hopkins, DNR Nonpoint Source Coordinator presented the following item.

Recommendations:

Commission approval is requested for a 12-month amendment (amendment No. 1) to an existing service contract with the Iowa Department of Agriculture – Division of Soil Conservation (IDALS-DSC). The contract amendment will extend the expiration date of the contract to June 30, 2012. The total amount of this contract amendment shall not exceed \$203,623.

Funding Source:

This contract will be funded through US EPA Section 319 Nonpoint Source Program grant dollars.

Background:

The Department shares in the funding of three (3) full-time Basin Coordinator positions and one (1) additional half-time position in IDALS-DSC to assist the DNR in the Implementation of Iowa's nonpoint source pollution management program. Support for these shared positions has been ongoing for several years.

Purpose:

The purpose of this contract is to retain IDALS-DSC to assist the Department in the implementation of Iowa's nonpoint source pollution management program through the retention of three (3) full-time Basin Coordinator positions and one (1) half-time position in the DSC's Water Resources Bureau. These staff positions provide technical and administrative assistance to local soil and water conservation districts and other local watershed groups to complete watershed assessments, develop watershed management plans, and implement water quality improvement projects. The cost for these positions shall be shared equally by both parties.

Contractor Selection Process:

NA.

Dolores Mertz said this is great and would like to see more efforts partnered with IDALS.

Motion was made by Dolores Mertz to approve the contract as presented. Seconded by Mary Boote. Motion carried unanimously.

APPROVED AS PRESENTED

CONTRACT WITH IDALS-DSC FOR NONPOINT SOURCE PROGRAM ADMINISTRATIVE STAFFING ASSISTANCE

Allen Bonini, DNR Supervisor presented the following item.

Recommendations:

Commission approval is requested for a 12 month amendment (amendment No. 3) to an existing service contract with the Iowa Department of Agriculture – Division of Soil Conservation (IDALS-DSC). The contract amendment will extend the expiration date of the contract to June 30, 2012. The total amount of this contract amendment shall not exceed \$55,460. The original contract term (including amendments No. 1 and 2) is February 1, 2009 through June 30, 2011.

Funding Source:

This contract will be funded through US EPA Section 319 Nonpoint Source Program grant dollars.

Background:

The Department shares in the funding of one (1) full-time position in IDALS-DSC to jointly support the administration of Department section 319 and DSC WPF/WSPF watershed improvement projects with local Soil and Water Conservation Districts. Support for this shared position has been ongoing for several years.

Purpose:

The purpose of this contract is to retain DSC to assist the Department in the implementation of Iowa’s nonpoint source pollution management program through the retention of one (1) full-time position in the DSC’s Field Services Bureau for the purpose of providing administrative assistance and guidance in the development and implementation of section 319 and WPF/WSPF watershed improvement plans and projects. The cost for this position shall be shared equally by both parties.

Statement of Work. Implementation of Iowa’s Nonpoint Source Pollution Management Program is considered to be of mutual interest, and DNR and the Contractor wish to coordinate efforts to implement this program for their mutual benefit. In order to accomplish this objective the Contractor shall perform the following tasks:

Obligation	Milestone Date
<p>Task 1: The Contractor shall identify and assign a qualified individual, selected with the concurrence of DNR, to DSC’s Field Services Bureau to assist DNR and DSC in the administration and implementation of federally and state funded water quality improvement strategies, projects, and practices during the period of this contract. This assigned individual shall be located in the Contractor’s central office.</p>	<p>No later than February 1, 2009</p>
<p>Task 2: The individual assigned by the Contractor to provide services under this Contract shall provide DNR assistance with activities including, but not limited to:</p> <ul style="list-style-type: none"> a. developing and implementing of software applications to track contracts, reporting, project funding, budgets, expenditures, and cash flows; b. coordinating with DNR on the development of compatible tracking systems and software applications to facilitate reporting and management of water quality improvement projects; c. determining and reporting on personnel, physical, hardware, and software requirements and needs to accomplish electronic transmission of all section 319 project reports from individual projects through the chain of administering agencies; d. providing reporting guidance to individual projects; e. participating in the coordination and planning of twice-yearly project coordinator meetings and individual annual project review meetings; f. coordinating the collection, review, and processing of watershed project annual work plans and budgets; g. coordinating the collection and distribution of watershed project monthly financial reports, and quarterly, annual and final reports for each active watershed project that comply with project contractual conditions; h. attending and participating in DNR Nonpoint Source Program strategic and marketing meetings as requested by DNR; and i. conducting other activities supporting DNR and DSC administered nonpoint source pollution control programs and projects, as may be assigned. 	<p>Ongoing throughout term of the Contract.</p>
<p>Task 3: The Contractor shall provide administrative supervision to the individual assigned by</p>	<p>Ongoing</p>

<p>the Contractor to provide services under this Contract and shall provide administrative support functions including, but not limited to, payroll, travel vouchers, all necessary office space, clerical assistance, computer support services, and a state vehicle or other suitable in-state transportation arrangements to facilitate necessary travel to the individual, all at the Contractor's own expense,</p>	<p>throughout term of the Contract.</p>
<p>Task 4: The Contractor shall submit to DNR a report of the progress made in the preceding quarter toward completion of the required activities included in this Contract. This report shall include, at a minimum, the following information:</p> <ul style="list-style-type: none"> a. accomplishments during the previous quarter; b. activities planned for the upcoming quarter; c. tasks completed or deliverables produced during the previous quarter; d. an updated schedule of upcoming deliverables; and e. any problems or concerns encountered in the previous quarter. 	<p>By January 15, April 15 and July 15 of each year.</p>
<p>Task 5: The Contractor shall submit to DNR an annual report which:</p> <ul style="list-style-type: none"> • describes all work activities carried out as part of the Contract during the previous Contract fiscal period (October through September); • discusses progress made toward achieving the overall Contract purposes, as described in this Statement of Work; and • identifies the total documented Contract costs incurred during the previous Contract fiscal period (October through September), the funding programs used to pay these costs, and the amounts paid by each funding program. 	<p>By October 31 of each year.</p>
<p>Task 6: The Contractor shall submit to DNR a final Contract report which shall contain, at a minimum:</p> <ul style="list-style-type: none"> • the total federal Section 319 funds expended by the Contract; • a summary of other funds expended on the Contract; • a summary of accomplishments and objectives by the Contract during the term of the Contract; • a comparison of actual accomplishments to the objectives established for the Contract in accordance with this Statement of Work; and • if the Contract objectives were not met, an explanation as to why. 	<p>By no later than 45 days prior to the expiration of this Contract.</p>

Motion was made by Dolores Mertz to approve the contract as presented. Seconded by John Glenn. Motion carried unanimously.

APPROVED AS PRESENTED

CONTRACT – UNIVERSITY OF NORTHERN IOWA FOR SMALL BUSINESS ASSISTANCE PROGRAM: IOWA AIR EMISSIONS ASSISTANCE PROGRAM (IAEAP)

Christina Iiams presented the following item.

Recommendations:

Commission approval is requested for a one year-service contract with the University of Northern Iowa of Cedar Falls, IA. Services are to be provided by the Iowa Air Emission Assistance Program (IAEAP) of UNI's Iowa Waste Reduction Center (IWRC). The contract will begin on July 1, 2011 and terminate on June 30, 2012. The total amount of this contract shall not exceed \$287,999.00. This contract is an Iowa Code Chapter 28E agreement.

Purpose:

The parties propose to enter into this Contract for the purpose of retaining UNI to sustain a small business assistance program pursuant to Section 507 of the Clean Air Act and to outline the activities and projects related to providing technical assistance to Iowa's small businesses. Particular emphasis is placed on providing general education and outreach to assist small businesses in determining and understanding their regulatory obligations, training small businesses on how to complete and submit emissions inventories, and providing assistance to the DNR in implementing NESHAP (National emission Standards for Hazardous Air Pollutants).

Funding Source:

This contract will be funded through cost reimbursable payments funded solely by Title V program fees. The statutory authority for the DNR to enter into this contract is under Section 507 of the Clean Air Act and 455B.133(8)(a).

Background:

The Small Business Assistance Program, which is mandated by Section 507 of the Clean Air Act Amendments of 1990, provides technical and non-technical assistance to small businesses. This contract establishes the requirements of Iowa's technical assistance program.

Contractor Selection Process:

The DNR is allowed to contract with the University of Northern Iowa without using a competitive selection process pursuant to state law.

The IAEAP was formally designated as the technical and compliance small business assistance provider in a State Implementation Plan revision that was submitted to and approved by the EPA in the early 1990s. The University of Northern Iowa's IAEAP has demonstrated itself to be an effective assistance provider to Iowa's small businesses.

Brent Rastetter asked what types of small businesses IAEAP works with.

Christina said typically it's auto body shops, grain bin operators, etc.

Motion was made by John Glenn to approve the contract as presented. Seconded by Nancy Couser. Motion carried unanimously.

APPROVED AS PRESENTED

CONTRACT AMENDMENT – EXECUTIVE OF THE STATE OF IOWA AIR POLLUTION CONTROL IMPLEMENTATION PLAN – POLK COUNTY

Christina Iiams presented the following item.

Recommendations:

Commission approval is requested for a two (2) month extension to the current contract scope of work with the county government of Polk County; Des Moines, IA, and for the addition of a third month to allow for receipt of reports and a reimbursement request. The contract extension is necessary due to the delay in the establishment of a state budget, which prevents the establishment of a twelve (12) month agreement at this time. The amendment to the original contract will begin on July 1, 2011 and terminate on September 30, 2011. The total amount of this amendment shall not exceed \$148,705. This contract is an Iowa Code Chapter 28E agreement.

Purpose:

The purpose of this amendment is to extend the time of performance and provide additional funding for that purpose while the DNR and Polk County continue negotiations regarding a SFY 2012 Contract. The time extension and continued funding enables the Polk County Air Quality Division to continue to conduct programs for the abatement, control, and prevention of air pollution within Polk County as required under the current SFY 2011 Contract.

Funding Source:

The statutory authority for the DNR to enter into this contract is 455B.145.

This amendment contract will be funded through cost reimbursable payments funded by Title V program fees (not to exceed \$113,391), 105 federal grant dollars (not to exceed \$28,294), and 103 federal grant dollars (not to exceed \$7,000). Polk County has a funding commitment of \$34,668.00.

Background:

The Polk County Air Quality Division will be responsible for the ongoing implementation of an air program within Polk County, as established under the requirements of this contract. The Polk County Air Quality Division has a certificate of acceptance pursuant to Iowa Code Section 455B.145, as implemented in 567 IAC Chapter 27.

In June 2010, the Commission approved the original contract for the period of July 1, 2010 – June 30, 2011. The original contract was for an amount not to exceed \$1,081,504, to be paid in quarterly payments. The DNR and Polk County are still negotiating a new contract for the 2012 fiscal year. The DNR anticipates bringing to the Commission in August a ten (10) month contract to cover the remainder of the 2012 fiscal year.

Mary Boote asked if Polk County was committed to extending their amount as well?

Christina said yes they are and we will be back in August once budgets are finalized.

Motion was made by Brent Rastetter to approve the contract as presented. Seconded by John Glenn. Motion carried unanimously.

APPROVED AS PRESENTED

CONTRACT AMENDMENT – EXECUTIVE OF THE STATE OF IOWA AIR POLLUTION CONTROL IMPLEMENTATION PLAN – LINN COUNTY

Christina Iiams presented the following item.

Recommendations:

Commission approval is requested for a two (2) month extension to the current contract scope of work with the county government of Linn County; Cedar Rapids, IA, and for the addition of a third month to allow for receipt of reports and a reimbursement request. The contract extension is necessary due to the delay in the establishment of a state budget, which prevents the establishment of a twelve (12) month agreement at this time. The amendment to the original contract will begin on July 1, 2011 and terminate on September 30, 2011. The total amount of this amendment shall not exceed \$137,350. This contract is an Iowa Code Chapter 28E agreement.

Purpose:

The purpose of this amendment is to extend the time of performance and provide additional funding for that purpose while the DNR and Linn County continue negotiations regarding a SFY 2012 Contract. The time extension and continued funding enables the Linn County Air Quality Division to continue to conduct programs for the abatement, control, and prevention of air pollution within Linn County as required under the current SFY 2011 Contract.

Funding Source:

The statutory authority for the DNR to enter into this contract is 455B.145.

This amendment contract will be funded through cost reimbursable payments funded by Title V program fees (not to exceed \$109,835), 105 federal grant dollars (not to exceed \$21,765), and 103 federal grant dollars (not to exceed \$5,750). Linn County has a funding commitment of \$35,808.00.

Background:

The Linn County Air Quality Division will be responsible for the ongoing implementation of an air program within Linn County, as established under the requirements of this contract. The Linn County Air Quality Division has a certificate of acceptance pursuant to Iowa Code Section 455B.145, as implemented in 567 IAC Chapter 27.

In June 2010, the Commission approved the original contract for the period of July 1, 2010 – June 30, 2011. The original contract was for an amount not to exceed \$1,016,206, to be paid in quarterly payments. The DNR and Linn County Public Health are still negotiating a new contract for the 2012 fiscal year. The DNR anticipates bringing to the Commission in August a ten (10) month contract to cover the remainder of the 2012 fiscal year.

Motion was made by John Glenn to approve the contract as presented. Seconded by Brent Rastetter. Motion carried unanimously.

APPROVED AS PRESENTED

CONTRACT AMENDMENT – IOWA STATE UNIVERSITY – HISTORIC AERIAL PHOTOGRAPHY PROJECT

Chris Ensminger presented the following item.

Recommendation:

The Department requests Commission approval of an amendment not-to-exceed \$75,000 with the ISU GIS Support and Research Facility. This amendment will provide aerial photography products including scanned images and photo centroids in support of the DNR's Historic Aerial Photography project.

Funding Source:

This project will be funded through Watershed Initiative (Infrastructure) and Brownfield (EPA) dollars.

Background:

The DNR's GIS Section is in the process of building a decadel series of historic photography from the 1930's through present. These photographs are proving to be extremely valuable in applications such as our Brownfields program where we need to know the history of a given property. Other applications include tracking the implementation of conservation practices on agricultural lands over time or evaluating when and how landscapes like the Prairie Pothole Region of the state have changed.

Purpose:

This amendment will allow the DNR to acquire county-based photo mosaics of historic aerial photography from the ISU GIS Support and Research Facility.

Changes to original Scope of Work:

ISU shall be responsible to deliver the following products as described:

Product 3: County-based Photo Mosaics, Description Orthorectified photos will be seamed together to form a complete, spatially accurate, county based image. Image shall be in SID format and projected in UTM NAD83, Zone 15N. Metadata will accompany all mosaics.

Products will be delivered within 6 months of written request for product by DNR.

Motion was made by Dee Bruemmer to approve the contract as presented. Seconded by Mary Boote. Motion carried unanimously.

APPROVED AS PRESENTED

MONTHLY REPORTS

Wayne Gieselman, Division Administrator, Environmental Protection Division, presented the following items.

The following monthly reports have been posted on the DNR website under the appropriate meeting month: <http://www.iowadnr.com/epc/index.html>

1. Rulemaking Status Report
2. Variance Report
3. Hazardous Substance/Emergency Response Report
4. Manure Releases Report
5. Enforcement Status Report
6. Administrative Penalty Report
7. Attorney General Referrals Report
8. Contested Case Status Report
9. Waste Water By-passes Report

INFORMATION

GENERAL DISCUSSION

Follow up from some of the public comments:

The site proposed in Boone County – A reporter from Alabama called and asked about this site. This site is beneath the permitting threshold, so a permit from the Department is not needed. Under the law it's allowed to go in.

In reference to the 572 impaired waters in the state – this list comes out every two years. There is no doubt that the number goes up and some of that is because of baseline data plus it's very hard to get a waterway off the impaired waters list. We have removed some streams, mainly those where the DNR owns the land around the water body as well as those where we have the ability to impact the watersheds. You can be an impaired waterway but not be grossly polluted or contaminated.

Asbestos/Derelict building – Just about every small town in Iowa has an old building falling down. There are health hazardous with having these buildings stay in place. We are working on trying to find a solution to help address this problem.

Dee Bruemmer asked how the CDBG monies come into play and other funds for the larger cities. It seems that there should be more funds available or ways for a joint effort.

Roger Lande said that in 1980 Iowa had only 3 cold water streams that could support trout population. Now we have almost 30 cold water streams supporting trout.

Wayne Gieselman announced that Pat Boddy will be leaving us at the end of this month. Chuck Corell, water quality bureau chief, has accepted a position as the division administrator for the conservation and recreation division.

Update in RIF – 3 FTEs were reduced. We've had one resignation and one retirement so only 1 FTE was let go. We have had a reduction in our division. We've only been able to manage our budget by not filling positions.

Flooding in Western Iowa – Barb Lynch gave an update on what DNR has been doing to handle the floods and preparing for cleanup. We are getting materials out there so that affected communities are aware of how to apply for FEMA funds.

The State of Iowa has requested that five counties be designated presidential disaster areas. This is key in getting FEMA monies. The Army Corps of Engineers anticipates that it will need to continue discharging 1.1 million gallons per second at least until August.

We have issued NPDES permits to animal feeding operations in NC Iowa. They are correct in that we haven't issued NPDES permits to hog facilities but only to poultry facilities.

COMMISSIONER TRAINING SESSION

Please note the date change to the second Tuesday in July.

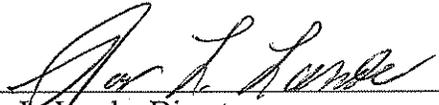
8:00-9:30 Special training on July 13th - Role of a new Commissioner – Legal Requirements (open meetings)

Iowa Machine Shed for dinner

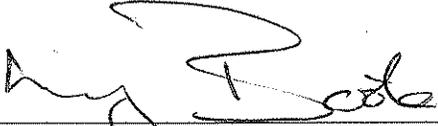
Roger Lande asked the commissioners to be thinking about the land use of state owned land. What is the proper role of the state when managing lands?

ADJOURNMENT

With no further business to come before the Environmental Protection Commission, Chairperson David Petty adjourned the meeting at 3:10 p.m., Tuesday, June 21, 2011.



Roger L. Lande, Director



Mary Boote, Secretary

Summary

Environmental Protection Commission

Tuesday, June 21, 2011
DNR Air Quality Building
7900 Hickman Road
Windsor Heights, IA
10:00 AM

9:00 AM – Commissioner Training Session (attendance optional)

10:00 AM – Meeting begins

10:30 AM – Public Participation¹

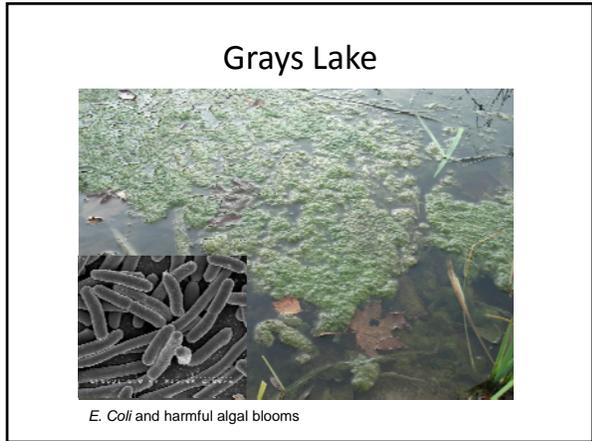
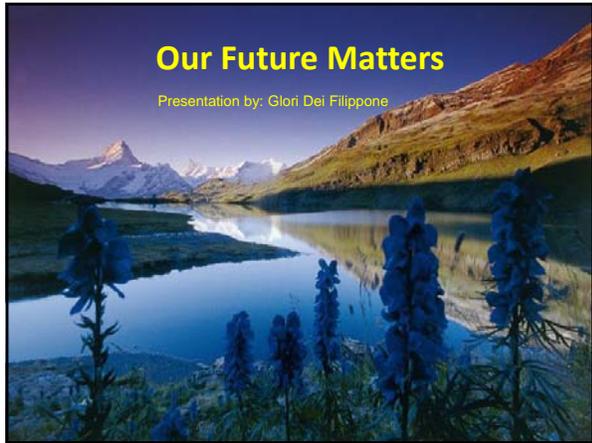
Agenda topics

- | | | |
|----|---|---------|
| 1 | Approval of Agenda | |
| 2 | Approval of Minutes | |
| 3 | Director's Remarks | |
| 4 | Clean Water and Drinking Water State Revolving Loan Fund – FY 2012 Intended Use Plans | Carried |
| 5 | Contract – State Hygienic Laboratory at The University of Iowa – Wetland Monitoring Laboratory Services | Carried |
| 6 | Solid Waste Alternatives Program – Contract Recommendations | Carried |
| 7 | Contract - Regional Collection Center Establishment Grant for Palo Alto County Solid Waste Agency | Carried |
| 8 | Contract – City of Seymour – Derelict Building Deconstruction Pilot Project | Carried |
| 9 | Contract with the University of Northern Iowa, Iowa Waste Reduction Center – Iowa Waste Exchange Program technical assistance, database management and training | Carried |
| 10 | Contract with the State Hygienic Laboratory at The University of Iowa for Laboratory Services for Contaminated Sites Program | Carried |
| 11 | Contract with The State Hygienic Laboratory at The University of Iowa for Laboratory Services and Corrective Action Specialist for Underground Storage Tank Program | Carried |
| 12 | Contract Amendment with University of Iowa for Dam Safety Inspectors | Carried |
| 13 | Contract with University of Iowa (Iowa Flood Center) for Bridge Mounted Stream/River Sensors | Carried |
| 14 | Contract Amendments – Utility Management Organization Grants for Wastewater Services to Small and Unsewered Communities | Carried |
| 15 | Contract with IDALS-DSC for Nonpoint Source Program Basin Coordinator Staffing Assistance | Carried |
| 16 | Contract with IDALS-DSC for Nonpoint Source Program Administrative Staffing Assistance | Carried |
| 17 | Contract with University of Northern Iowa for Small Business Assistance Program: Iowa Air Emissions Assistance Program (IAEAP) | Carried |
| 18 | Amendment to Contract ESDCIams110002: Execution of the State of Iowa Air Pollution Control Implementation Plan: Polk County | Carried |
| 19 | Amendment to Contract ESDCIams110001: Execution of the State of Iowa Air Pollution Control Implementation Plan: Linn County | Carried |

20	Contract with University of Iowa for 2012 SHL Services in Support of the DNR Air Quality Bureau	Carried
21	Notice of Termination; Amendments to Chapters 60, 63, 64 and 65, Animal Feeding Operations and related NPDES Rule Chapters	Carried
22	Contract Amendment – ISU– Historic Aerial Photography Project	Carried
23	Denial of Petition for Rulemaking by Kids vs Global Warming	Carried
24	Monthly Reports	Information
25	General Discussion <ul style="list-style-type: none"> • July 13th Commissioner Training Session 	
26	Items for Next Month’s Meeting <ul style="list-style-type: none"> • July 12th – Windsor Heights • August 16th - Windsor Heights 	

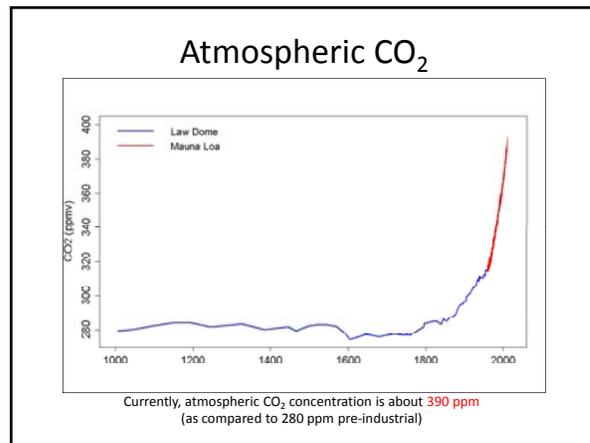
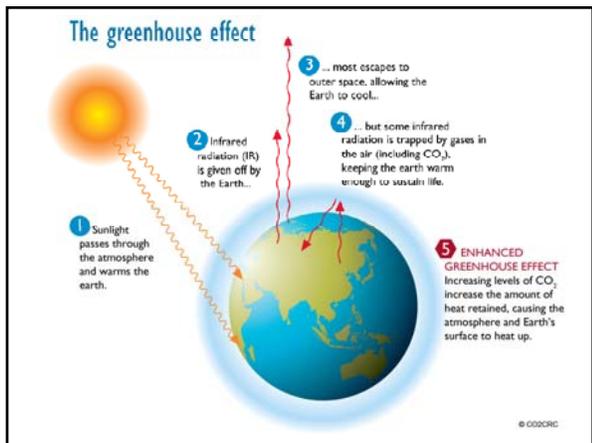
For details on the EPC meeting schedule, visit www.iowadnr.com/epc/index.html.

¹ Comments during the public participation period regarding proposed rules or notices of intended action are not included in the official comments for that rule package unless they are submitted as required in the Notice of Intended Action.



70 Million Tons of Carbon Every Day

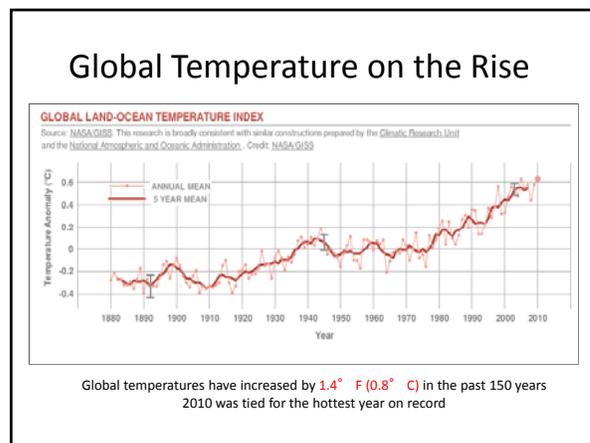
Scientists Agree



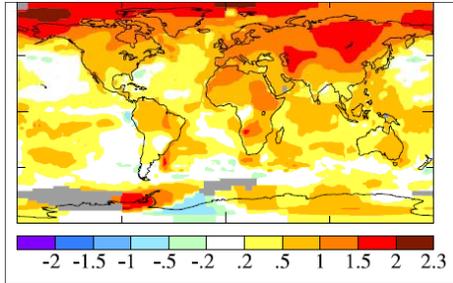
Atmospheric Equilibrium = less than 350 Parts Per Million Carbon Dioxide (PPM)

REMEMBER THIS:
1.0 degree C = less than 350 ppm

CO₂ in the Atmosphere



Average Global Surface Temperature for 2001-2007 Relative to 1951-1980

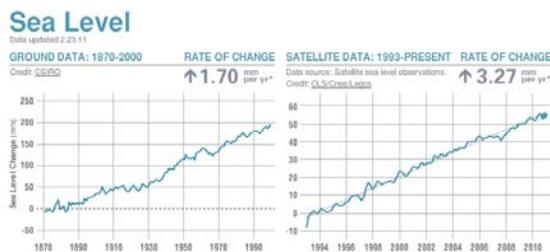


- Source: Hansen

Carbon lingers 100-1000+ years in the Atmosphere

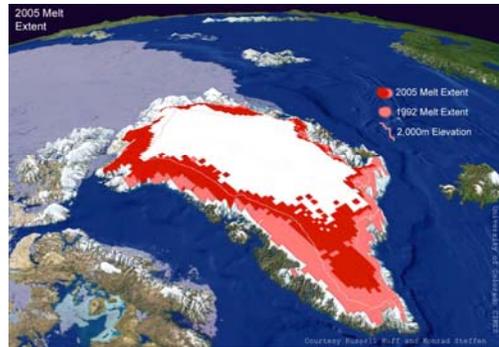


Global Impacts: Rising Sea Level



Sea levels have risen 6.7 inches in the past 100 years (the rate of sea level change has *doubled* in the past decade)
 Conservative estimates predict Sea level rise this century to be between **1.5-6.5 feet** (0.5-2 meters)

Greenland Ice Sheet in Retreat

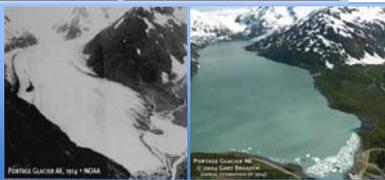


Mountain Glaciers in Retreat

Figure 2. Shepard Glacier, Glacier National Park, MT in 1913 and 2005

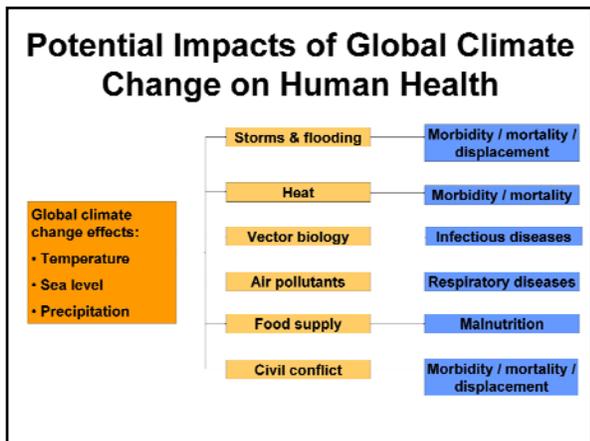


Right: Portage Glacier, Alaska in 1914 and 2004



Critical tipping point: Permafrost melt will cause massive methane release and run-away Global heating





Increase in frequency/severity of storms



Storm Severity: Rural farmland flooding near Hamburg, Iowa June 11th, 2011



Photo Credit: Natl Harik, Des Moines Register

Droughts are also expected to increase in frequency and severity throughout the Midwest



Photo cr: Reese Halter

Photo cr: The Register

We Deserve Better.



We are standing up to protect our right to a healthy and livable planet.



You have a moral responsibility to protect Earth for future generations. We all need to start living as if the future matters.



Prescription for climate stability

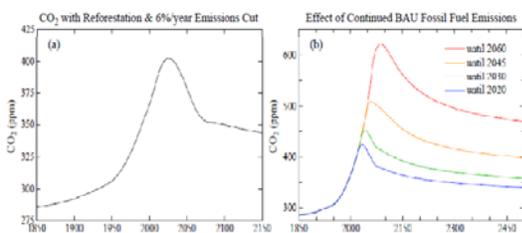
- Humans have caused a planetary imbalance of one-half watt (Earth is absorbing more energy than it emits back to space)
 - To increase Earth's heat radiation by one-half watt we need to reduce CO₂ levels to 350 ppm from current level of 390 ppm (James Hansen, 2011)

Prescription for climate stability

- The good news is that CO₂ levels will drop if we stop or greatly reduce CO₂ emissions
- Reforestation and improved agriculture practices can play a role in lowering CO₂ levels
- We need to act *immediately* to avoid causing irreparable harm to future generations

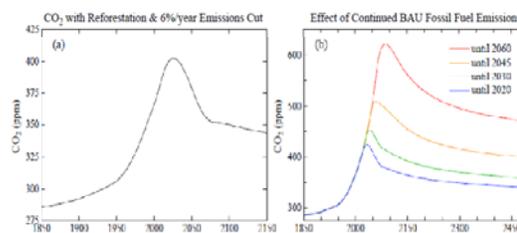
Prescription for climate stability

To reduce CO₂ concentrations to 350 ppm, emissions must peak in 2012 and then decline by 6% a year (Dr. James Hansen, 2011)



Prescription for climate stability

Experts say that we can eliminate fossil fuels in 30-50 years with technologies that are already available or will be in the foreseeable future



Ways to reach a fossil fuel-free energy system

- Set a cap on fossil fuel use that decreases fossil fuel emissions
- Implement a slowly rising carbon tax and use the money to invest in zero-CO₂ emissions
- Impose stricter efficiency standards for building and motor vehicles
- Ban new coal-fired power plants
- More money for research and development in alternative sources of clean energy
- Energy Conservation

CO₂ Reduction is Economically Feasible

- Eliminating fossil fuel subsidies would save billions annually
- Reducing CO₂ emissions will save billions of dollars and 1000s of lives by reducing health care costs and reducing the incidences of costly and deadly extreme weather events
- Clean energy will create new jobs

The U.S. is responsible for 30% of the world's carbon emissions. Every county, every state, every city, every person must reduce its carbon output.



“Avoiding dangerous climate change ... is practically and economically achievable.”
– Jeffrey Sachs



The Public Trust Doctrine: A Public Property Right

Government has a firm fiduciary obligation to protect natural assets for citizens and for future generations



The Atmosphere is Part of the Trust

1. The atmosphere is a trust asset, one of the most important given that it is vital for life on Earth
2. Sovereign nations and states are co-tenant trustees
3. Our youth and all citizens are beneficiaries and have a right to a healthy planet
4. The government has a fiduciary obligation to protect this trust according to the best available science
5. The Government must prevent harm

The eyes of the future are looking back at us and they are praying for us to see beyond our own time.
-Terry Tempest Williams

The time to act is now. We are counting on you.



STATE REVOLVING FUND

FY 2012 Intended Use Plans



Patti Cale-Finnegan, Iowa Department of Natural Resources
Lori Beary, Iowa Finance Authority

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www.iowasrf.com

Background

The SRF is Iowa's primary source of financing for drinking water and wastewater infrastructure, storm water quality, and nonpoint source protection



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Background

SRF programs authorized by Clean Water Act and Safe Drinking Water Act and administered by U.S. Environmental Protection Agency



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Background



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Background

Program frameworks and eligibility set by federal law, but each state can set its own priorities for use of funds



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Background

- Iowa Code
 - 455B.291-299 (DNR)
 - 16.131-133A (IFA)
- Iowa Administrative Code
 - 567 Chapters 40 and 44 - DWSRF (adopted by EPC)
 - 567 Chapters 90-93 - CWSRF (adopted by EPC)
 - 265 Chapter 16 - SRF (adopted by Iowa Finance Authority Board)
- "The program shall be a joint and cooperative undertaking of the department and the authority."



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Background

- Iowa Department of Natural Resources
 - Program planning and prioritization
 - Project planning and permitting
 - Environmental review
 - Federal compliance
- Iowa Finance Authority
 - Financial management
 - Bond issues
 - Loan processing
 - Loan disbursements




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1989 - 2002

LOW-INTEREST LOANS FOR Water and wastewater infrastructure only




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2003 - Present

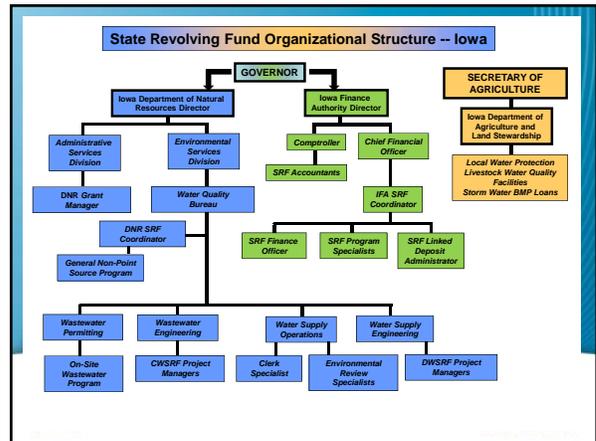
Water and Wastewater



- Onsite Septic Systems
- Planning and Design
- Lake and Wetland Restoration
- Soil, Sediment, and Nutrient Management
- Brownfield Cleanup
- Energy and Water Efficiency
- Urban Stormwater
- Landfill Closure
- Source Water Protection

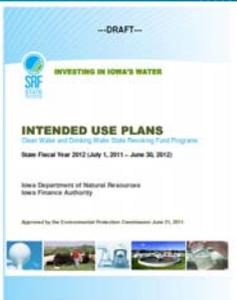


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Intended Use Plans

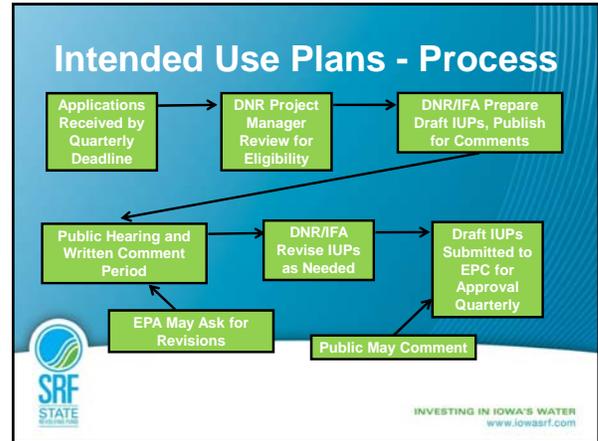
- EPA requirement
- Outlines funding available and proposed uses
- Sets goals and objectives and lays out program plans
- Sets program policies such as interest rates and terms, disadvantaged community criteria




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Intended Use Plans

- Annual IUPs in June
- Quarterly updates in September, December, March
 - Add projects and update priority lists
 - Keeps projects in the pipeline year-round
 - Flexibility to respond to program changes



Drinking Water SRF

- Loans for:
 - Improvements to public water supply systems
 - Consolidations and connections
 - Source water protection
- DWSRF set-asides fund technical assistance, capacity development, state drinking water program, SWP

Clean Water SRF

- Loans for:
 - Publicly owned wastewater treatment facilities
 - Sewer system rehabilitation
 - New systems for unsewered communities
 - Stormwater management for water quality
 - Nonpoint source pollution control

Types of Loans

- Planning & design
- Construction
- Source water protection
- Watershed protection

Planning & Design

- 0% financing for up to 3 years
- Can be rolled into SRF loans or paid off with other permanent financing
- Get projects ready for applications to CDBG, Rural Development, or other funding

Construction



- Cities and counties
- Community water supplies
- 3% interest rate



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Construction

- No reserve requirement
- Extended financing terms – up to 30 yrs
 - All CWSRF
 - DWSRF disadvantaged communities
- Assistance with environmental review



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Construction

- Environmental review specialist assists with ER process
- SRF pays for preliminary archeology



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Source Water Protection



- 0% interest rate
- Up to 20 year term
- For purchase of land or easements, or to fund SWP practices
- Based on approved SWP plan



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Nonpoint Source Loans



- Low-cost financing for nonpoint source projects
- Project approval by environmental agency
- Financing approval by participating lender
- Interest rate max 3%
- Can be used with cost-share, EQIP, other grants



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Nonpoint Source Loans

- Local Water Protection
 - Addresses soil erosion and sediment control on ag land
 - IDALS administers
 - Apply through Soil and Water Conservation Districts



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Nonpoint Source Loans

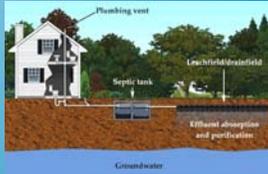


- **Livestock Water Quality Facilities**
 - Manure management for non-CAFO operations
 - IDALS administers
 - Apply through local Soil and Water Conservation Districts



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Nonpoint Source Loans



- **On-Site Wastewater Systems**
 - Helps rural homeowners replace inadequate septic systems
 - Contact county sanitarian in participating counties



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Nonpoint Source Loans

- **Stormwater Best Management Practices**
 - Restore natural hydrology, treat and manage stormwater runoff
 - Apply through SWCDs





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Nonpoint Source Loans

- **General Nonpoint Source Projects**
 - Watershed groups for land acquisition
 - Communities for brownfield and landfill cleanups
 - Other
 - Apply to DNR

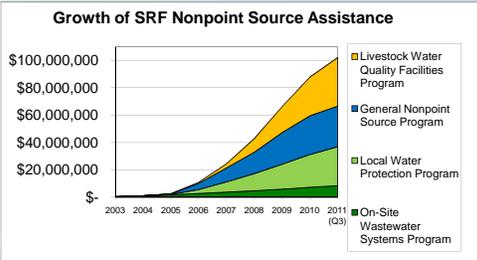




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SRF Nonpoint Projects

Growth of SRF Nonpoint Source Assistance





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Special Requirements

- Changes from base SRF programs started with ARRA in 2009
- Green projects, loan forgiveness, Davis-Bacon carried over through FFY 2010 appropriations
- Continued once again through FFY 2011 appropriations
- Challenge to allocate funds from several pots of money with different requirements





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Green Projects

- Energy efficiency, water efficiency, green storm water infrastructure, environmentally innovative
 - Goal is to go above and beyond traditional or regulated approaches to gain more environmental sustainability
- Eligibility determined through EPA guidance



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Green Projects

- Equivalent of at least 20% of capitalization grant amounts must be used for green projects
- FFY 2010 cap grant projects
 - CWSRF \$21 million for green infrastructure
 - DWSRF \$5 million for water/energy efficiency



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Loan Forgiveness

- FFY 2010 amounts allocated last year
- FFY 2011 CWSRF: \$1.8 - \$6 million
- FFY 2011 DWSRF: \$4.8 million
- Will allocate to disadvantaged communities and green projects



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FY 2012 Highlights

- CWSRF
 - \$572 million requested for wastewater infrastructure
 - \$29.5 million set aside for nonpoint source control projects
- DWSRF
 - \$186 million requested for drinking water systems



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FY 2012 Highlights

- Anticipated Disbursements:
 - CWSRF: \$419 million
 - DWSRF: \$137 million
- Through leveraging and revolving nature of fund, SRF is currently able to fund all eligible projects



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How the SRF Helps

- “The SRF allowed the City of Stacyville to make the necessary improvements to our infrastructure when it was needed.”

Harlan Bisbee
City Clerk, Stacyville



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How the SRF Helps



- “The SRF provided the lowest rates available for the City of Shenandoah to finance improvements to the Waste Water Treatment Facility.”

Marcia McKay, City
Clerk/Treasurer
Shenandoah



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How the SRF Helps



- “The City of Ankeny really appreciated being able to use SRF funding for our brownfield cleanup project, as well as the guidance provided by the DNR and IFA staff.”

Jolee Belzung
Director of Municipal Utilities,
Ankeny



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How the SRF Helps

- “The low-interest loan made a huge difference in my livestock water quality project. The people I worked with were helpful and the paperwork was simple.”

Justin Rozeboom
Sioux County



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How the SRF Helps



- “We could see more erosion in our creek with every storm. We learned about the SRF and are very happy with the process and with everyone involved. The improvements have worked wonderfully and we no longer have erosion.”

Shelly Moore
Blue Grass



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For more information

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Iowa Department of Natural Resources
515-725-0498
Patti.cale-finnegan@dnr.iowa.gov

Lori Beary
Iowa Finance Authority
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Lori.beary@iowa.gov

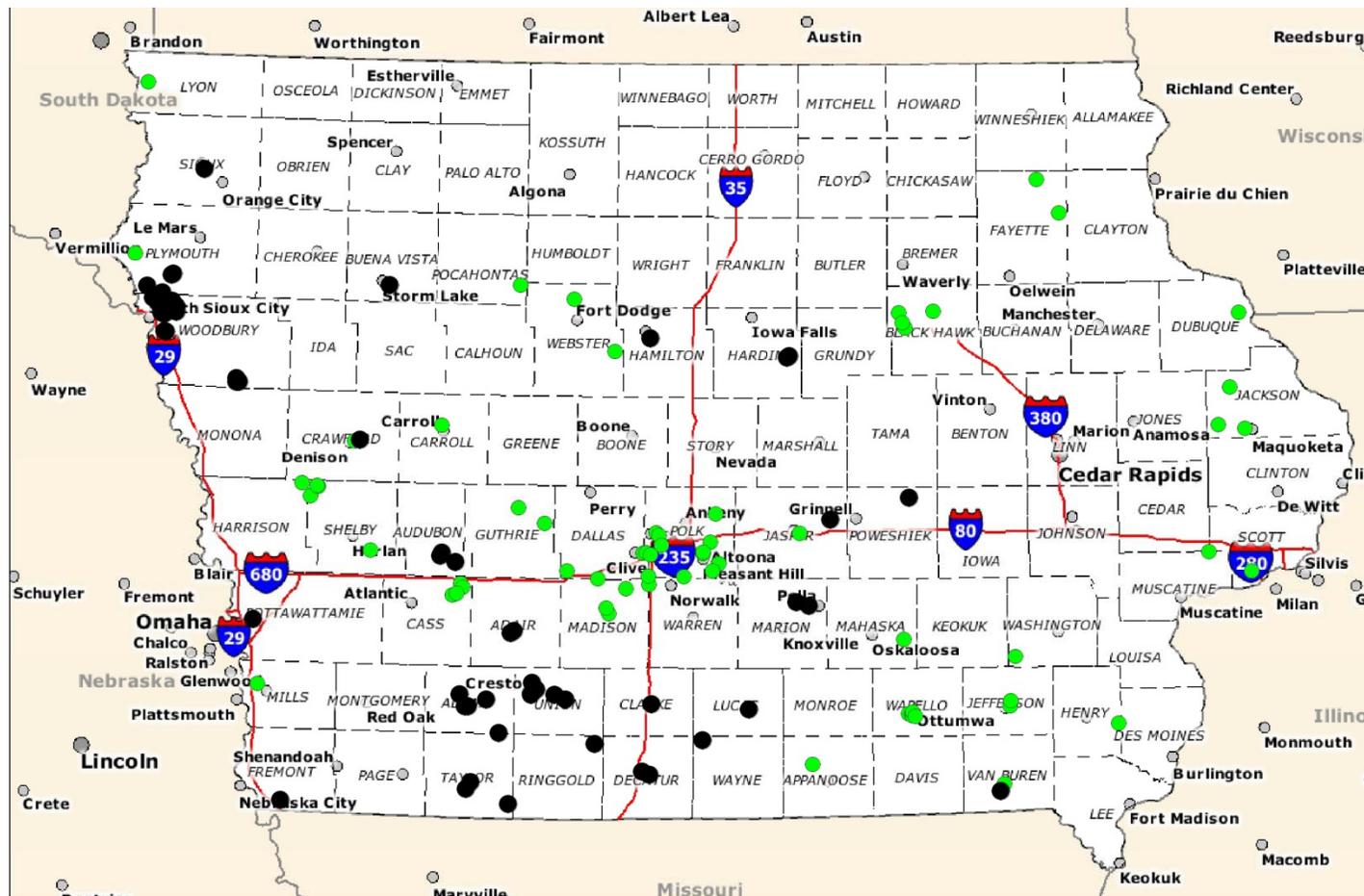


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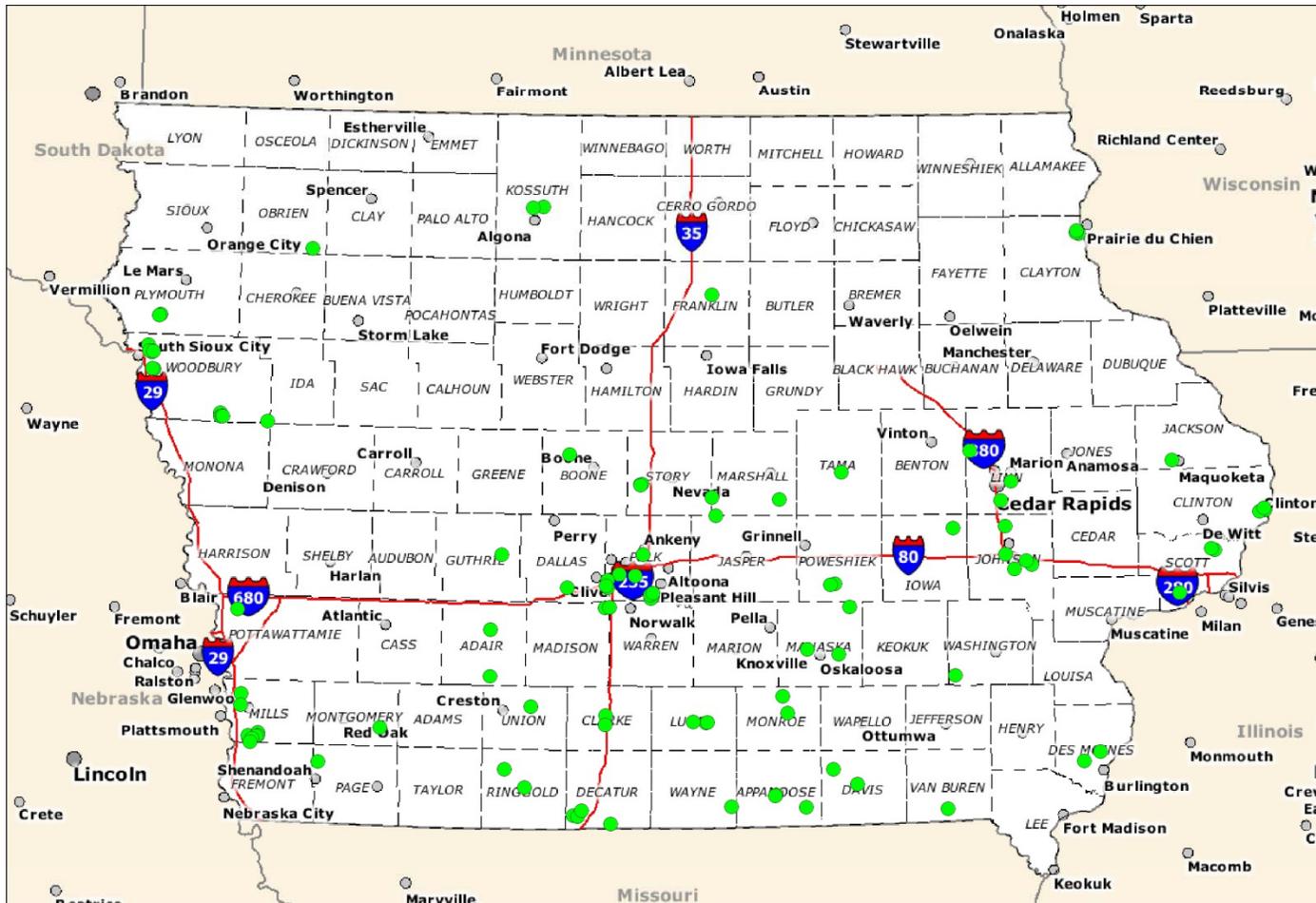
Calendar Year 2011 Dam Inspections (126)

Black =
Inspection
complete
(55)

Green =
Inspection
scheduled
(71)



Calendar Year 2012 Dam Inspections (103)



Dam Owner Open Houses: Summer Schedule

Contact Jon Garton at 515-281-6940 or Jonathan.Garton@dnr.iowa.gov

- *Marion* - June 21, ISU Extension Office, 3279 Seventh Ave. , Suite 140
- *Fairfield* - June 30, Fairfield Public Library, 104 West Adams Ave.
- *West Des Moines* - July 12, West Des Moines Public Library, 4000 Mills Civic Parkway
- *Lovilia* - July 19, Lake Miami Meeting Facility, 1270 635th St.
- *Mount Ayr* - July 25, Mount Ayr Rural Electric Coop, 1502 West South St.
- *Atlantic* - August 2, Rock Island Depot, 102 Chestnut St.
- *Onawa* - August 9, Onawa Public Library, 707 Iowa Ave.

Stream Gages

What does a stream gage do?

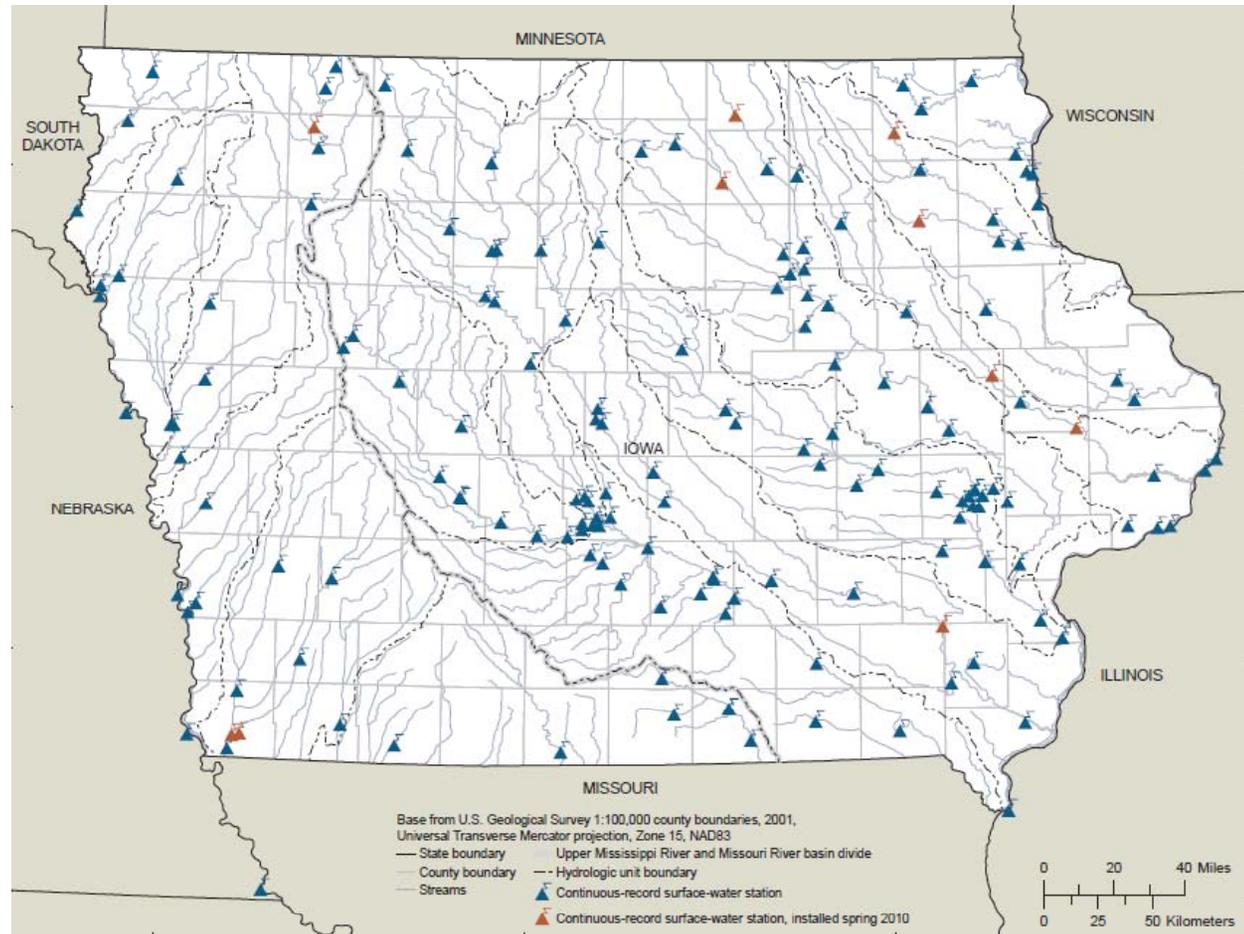
- Used to measure water level and flow
- Data sets describe average conditions, long-term variations and trends in flow

Why do we need this information?

- Flood Plain Determinations
- Flood Frequency Analysis
- Flood Plain Mapping
- Flood Forecasting & Warnings

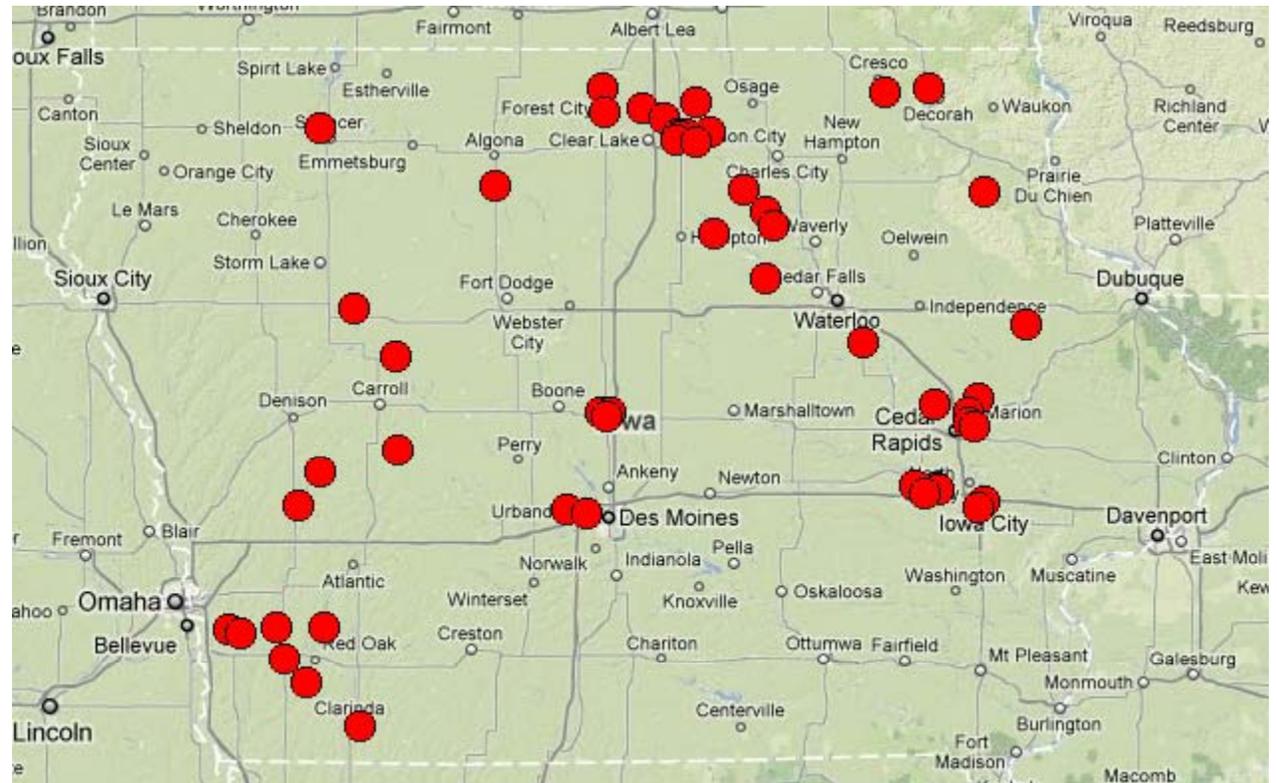
171 USGS Stream Gages in Iowa

Maintaining 10
new stream
gages that
were added in
2009



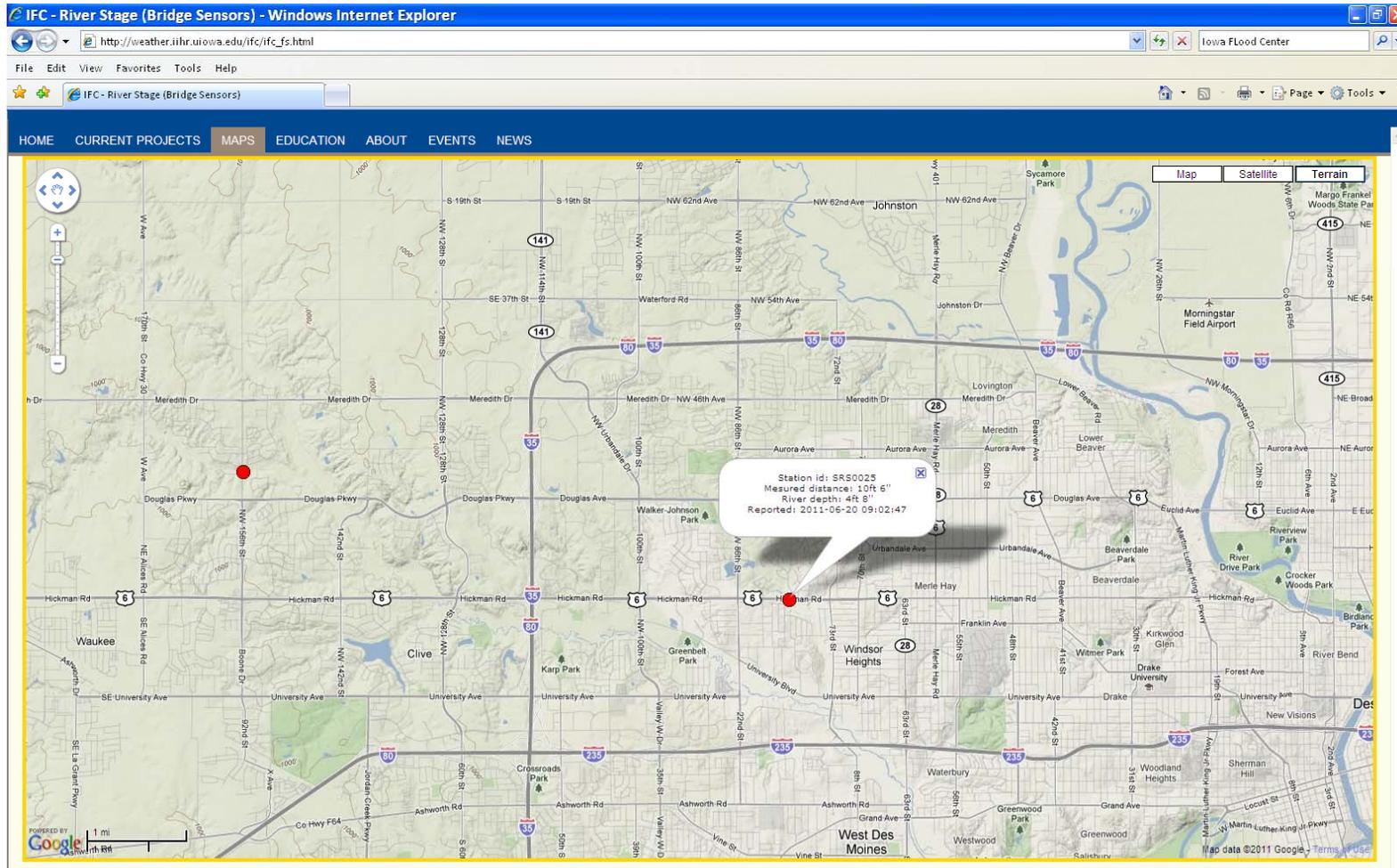
River Stage Sensors Project

- Working with **Iowa Flood Center**
- 50 Stream Stage Sensors Deployed
- Real time data used by local emergency managers for flood warning



Iowa Flood Center:

http://weather.iuhr.uiowa.edu/ifc/ifc_fs.html

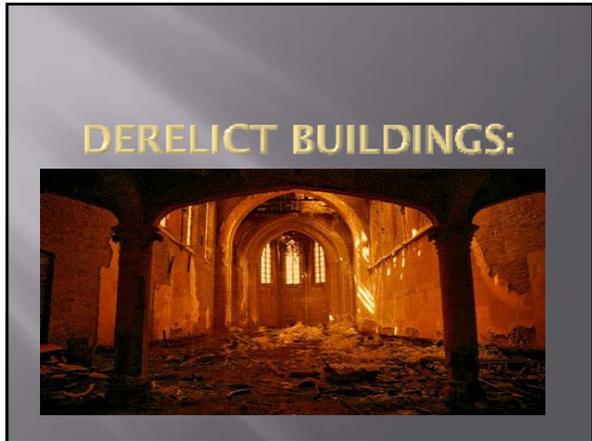


River Stage Sensors Installed Summer 2010

River Name	Bridge Road Name	Nearest Town	Nearest Intersection
Beaver Creek	Sinclair Avenue/County RD T47/	Parkersburg	N of HWY 57
Brushy Creek	330th St/ HWY 141	Dedham	W of Robin Avenue
Chelsea Creek	19th St. SW/ HWY 106	Mason City	W of S Pierce Avenue
Clear Creek	190th St	Homestead	E of HWY 151/U Avenue
Clear Creek	Chambers Ave. NW	Oxford	S of lower Oxford RD NW/ County W38
Unnamed/Clear Creek Tributary	210th St./County F35	Homestead	W of Y Ave
Dry Creek	Covington RD/ HWY 94	Palo	NW of 1st Street
East Fork Des Moines River	130th St/County RD B63	Algona	W of HWY 169
East Nodoway River	HWY2	Clarinda	E of Upton Ave
East Nishnabotna River	270th St./ County RD H54	Coburg	E of County M41/ Evergreen Ave.
East Nishnabotna River	110th St./HWY48	Elliot	E of Kirkwood Ave./County RD M55
Hargrave Creek	Franklin Ave/County C33	Dumont	N of HWY3/210th St.
Indian Creek	Mt. Vernon RD SE	Cedar Rapids	E of Rosedale RD
Indian Creek	Cottage Grove Ave SE	Cedar Rapids	E of 345th St. SE
Indian Creek	Marion Blvd./HWY151/HWY922	Marion	NE of Blairs Ferry RD
Indian Creek	County Home Road	Marion	W fo HWY 13
Indian Creek	Morton Ave.; Jamison RD; County H34	Emerson	E of HWY 59
Keg Creek	Barrus RD/County RD H12/County L45	Mineola	E of 250th St.
Lake Creek	365th St./HWY165	Lake City	E of Garber Ave./County N33
Little Sioux River	320th St./HWY18	Spencer	E of 200th Ave./ County M44
Little Walnut Creek	NW 156th Street	Clive	N of Douglas Parkway
Maquoketa River	Quarter RD	Delhi	SW of Pioneer RD and E of HWY 38
North Raccoon River	230th St.	Sac City	W of Rolf Ave./ County M65
North Walnut Creek	Hickman RD/ HWY6	Urbandale	W of Colby Woods Drive
Rhine Creek	Augusta Ave./HWY109/ County W38	Oxford	N of Center St.

River Stage Sensors Installed Summer 2010

Ralston Creek	Governor St./HWY1	Iowa City	N of Iowa Ave.
Shell Rock River	180th St./County C33	Clarksville	E of Ridge Ave.
Shell Rock River	Packard Ave./CountyT47	Clarksville	N of 150th St./Raven RD/County C23
Shell Rock River	290th St.	Marble Rock	W of Jersey Ave./Green RD
Shell Rock River	277th St.	Nora Springs	E of Yarrow Ave.
Shell Rock River	HWY9	Plymouth	W of Thrush Ave./S56
Silver Creek	Dobney Ave.	Silver City	W of County L55
Squaw Creek	South Duff Ave.	Ames	N of S 16th St.
Squaw Creek	Stange RD	Ames	N or 13th St.
South Skunk River	E 13th St.	Ames	W of Stagecoach RD
Turkey River	Cable Ave.	Elgin	N of Chariot RD/County C1X
Turkey River	345th St./ County Line RD	Cresco	N or 135th St.
Upper Iowa River	Bluffton RD/ County W20	Decorah	N of Pole Line RD/County A34
Wolfe Creek	W Main St.	LaPorte City	NW of Locust St.
Willow Creek	1st. Street SW	Mason City	E of S Monroe Ave.
Willow Creek	N Pierce Ave.	Mason City	S of 8th St. NW
Winnebago River	Thrush Ave./County S56	Mason City	N of HWY18/HWY 27
Winnebago River	S Illinois Ave	Mason City	N of 4th St. SE/HWY18/HWY122
Winnebago River	Killdeer Ave.	Mason City	S of 330th St./ County B15
Winnebago River	Eagle Ave./S 1st. St.	Fertile	S of 350th St./HWY9
Winnebago River	330th St/ County B14	Forest City	W of Sage Ave/ County R70
Winnebago River	400th St/ County A38	Leland	E of 170th Ave./Hwy69/HWY9
West Nishnabotna River	Brothers Ave./ County H12	Henderson	W of 395th St.
West Nishnabotna River	Chatburn Ave./HWY44/1000St.	Harlan	W of Maple RD
West Nishnabotna River	Cora St./County F24	Irwin	E of Timber RD



What makes a building derelict?

- ❑ Abandoned
- ❑ Recalcitrant or No Viable Property Owner
- ❑ "Nuisance"
- ❑ Dilapidated/neglected
 - Exterior/Interior Walls
 - Roof
 - Windows, Doors, Etc.

Problems with Derelict Buildings

- ❑ Impairs Development
- ❑ Blight on Community
- ❑ Harbor for Vectors
- ❑ Fire Hazard
- ❑ Attracts Illegal Dumping
- ❑ Public Safety - falling debris, unstable interior, etc.
- ❑ Environmental Hazards
 - Asbestos
 - Lead-based Paint
 - Toxic Materials

ASBESTOS CONCERNS

- ❑ If building has collapsed or is unsafe to enter all of the structure must be handled as ACM (asbestos containing material)
- ❑ Increases cost of disposal
- ❑ Eliminates cost saving reuse and recycling options

Case Study - Seymour, IA

- Roof has collapsed exposing interior to the elements
- Portion of 3rd floor exterior wall has given way
- All 3 floors have fallen into the basement

Seymour

Seymour

- Cannot enter the structure
- Can't do asbestos inspection and abatement
- Must be treated as 100% ACM
- Cost for demolition & disposal \$215,000 - \$300,000



Seymour

- Deconstruction
 - Selective Dismantling
- Remove brick & mortar to extent possible
- Wash to eliminate any asbestos
- Reuse or use as clean backfill
- Total project cost \$140,000



Conclusion

- Important to identify potential derelict buildings in your community early
- Identify and exercise legal means to address derelict properties
- Prior to obtaining ownership gain access for
 - Asbestos inspection
 - Asbestos abatement
- Renovation is an option
- If not, deconstruction option provides recycling & reuse opportunities resulting in substantial transportation and disposal savings