

# Grant Application Package

Opportunity Title:	National Disaster Resilience Competition
Offering Agency:	US Department of Housing and Urban Development
CFDA Number:	14.272
CFDA Description:	National Resilient Disaster Recovery Competition
Opportunity Number:	FR-5800-N-29
Competition ID:	FR-5800-N-29
Opportunity Open Date:	09/17/2014
Opportunity Close Date:	03/27/2015
Agency Contact:	Jennifer Hylton Jennifer.M.Hylton@hud.gov

This opportunity is only open to organizations, applicants who are submitting grant applications on behalf of a company, state, local or tribal government, academia, or other type of organization.

Application Filing Name:

## Select Forms to Complete

### Mandatory

[Application for Federal Assistance \(SF-424\)](#)

[HUD Facsimile Transmittal](#)

### Optional

[HUD Applicant-Recipient Disclosure Report](#)

[Attachments](#)

[Disclosure of Lobbying Activities \(SF-LLL\)](#)

## Instructions

[Show Instructions >>](#)

This electronic grants application is intended to be used to apply for the specific Federal funding opportunity referenced here.

If the Federal funding opportunity listed is not the opportunity for which you want to apply, close this application package by clicking on the "Cancel" button at the top of this screen. You will then need to locate the correct Federal funding opportunity, download its application and then apply.

**Application for Federal Assistance SF-424**

* 1. Type of Submission: <input type="checkbox"/> Preapplication <input checked="" type="checkbox"/> Application <input type="checkbox"/> Changed/Corrected Application	* 2. Type of Application: <input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision	* If Revision, select appropriate letter(s): <input type="text"/> * Other (Specify): <input type="text"/>
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* 3. Date Received: <input type="text" value="Completed by Grants.gov upon submission."/>	4. Applicant Identifier: <input type="text"/>
--	--

5a. Federal Entity Identifier: <input type="text"/>	5b. Federal Award Identifier: <input type="text"/>
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**State Use Only:**

6. Date Received by State: <input type="text"/>	7. State Application Identifier: <input type="text"/>
---	---

**8. APPLICANT INFORMATION:**

\* a. Legal Name:

* b. Employer/Taxpayer Identification Number (EIN/TIN): <input type="text" value="010606429"/>	* c. Organizational DUNS: <input type="text" value="8083489810000"/>
---	---

**d. Address:**

\* Street1:   
Street2:   
\* City:   
County/Parish:   
\* State:   
Province:   
\* Country:   
\* Zip / Postal Code:

**e. Organizational Unit:**

Department Name: <input type="text"/>	Division Name: <input type="text"/>
--	--

**f. Name and contact information of person to be contacted on matters involving this application:**

Prefix:  \* First Name:   
Middle Name:   
\* Last Name:   
Suffix:   
Title:

Organizational Affiliation:

* Telephone Number: <input type="text" value="515-725-3002"/>	Fax Number: <input type="text" value="515-725-3010"/>
---	---

\* Email:

**Application for Federal Assistance SF-424**

**\* 9. Type of Applicant 1: Select Applicant Type:**

A: State Government

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

\* Other (specify):

**\* 10. Name of Federal Agency:**

US Department of Housing and Urban Development

**11. Catalog of Federal Domestic Assistance Number:**

14.272

CFDA Title:

National Resilient Disaster Recovery Competition

**\* 12. Funding Opportunity Number:**

FR-5800-N-29

\* Title:

National Disaster Resilience Competition

**13. Competition Identification Number:**

FR-5800-N-29

Title:

**14. Areas Affected by Project (Cities, Counties, States, etc.):**

Add Attachment

Delete Attachment

View Attachment

**\* 15. Descriptive Title of Applicant's Project:**

Iowa Watershed Alliance (IoWA) for Urban and Rural Resilience

Attach supporting documents as specified in agency instructions.

Add Attachments

Delete Attachments

View Attachments

**Application for Federal Assistance SF-424**

**16. Congressional Districts Of:**

\* a. Applicant

\* b. Program/Project

Attach an additional list of Program/Project Congressional Districts if needed.

Add Attachment

Delete Attachment

View Attachment

**17. Proposed Project:**

\* a. Start Date:

\* b. End Date:

**18. Estimated Funding (\$):**

* a. Federal	<input type="text" value="1.00"/>
* b. Applicant	<input type="text" value="0.00"/>
* c. State	<input type="text" value="0.00"/>
* d. Local	<input type="text" value="0.00"/>
* e. Other	<input type="text" value="0.00"/>
* f. Program Income	<input type="text" value="0.00"/>
* g. TOTAL	<input type="text" value="1.00"/>

**\* 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**

a. This application was made available to the State under the Executive Order 12372 Process for review on  .

b. Program is subject to E.O. 12372 but has not been selected by the State for review.

c. Program is not covered by E.O. 12372.

**\* 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes," provide explanation in attachment.)**

Yes  No

If "Yes", provide explanation and attach

Add Attachment

Delete Attachment

View Attachment

**21. \*By signing this application, I certify (1) to the statements contained in the list of certifications\*\* and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances\*\* and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)**

\*\* I AGREE

\*\* The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

**Authorized Representative:**

Prefix:  \* First Name:

Middle Name:

\* Last Name:

Suffix:

\* Title:

\* Telephone Number:  Fax Number:

\* Email:

\* Signature of Authorized Representative:

\* Date Signed:



**Facsimile Transmittal**

**U. S. Department of Housing  
and Urban Development**  
Office of Department Grants  
Management and Oversight

OMB Number: 2535-0118  
Expiration Date: 12/01/2016

1424958510 - 9848

Name of Document Transmitting: Not Applicable

**1. Applicant Information:**

Legal Name: State of Iowa

Address:

Street1: 200 East Grand Ave.

Street2:

City: Des Moines

County:

State: IA: Iowa

Zip Code: 50309-1856

Country: USA: UNITED STATES

**2. Catalog of Federal Domestic Assistance Number:**

Organizational DUNS: 8083489810000 CFDA No.: 14.272

Title: National Resilient Disaster Recovery Competition

Program Component:

**3. Facsimile Contact Information:**

Department:

Division:

**4. Name and telephone number of person to be contacted on matters involving this facsimile.**

Prefix: First Name: Peggy

Middle Name:

Last Name: Russell

Suffix:

Phone Number: 515-725-3009

Fax Number:

5. Email: peggy.russell@iowa.gov

**6. What is your Transmittal? (Check one box per fax)**

a. Certification  b. Document  c. Match/Leverage Letter  d. Other

7. How many pages (including cover) are being faxed? 2

# DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

Approved by OMB  
0348-0046

<b>1. * Type of Federal Action:</b> <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	<b>2. * Status of Federal Action:</b> <input type="checkbox"/> a. bid/offer/application <input checked="" type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	<b>3. * Report Type:</b> <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
--	--	--

**4. Name and Address of Reporting Entity:**  
 Prime     SubAwardee

\* Name:

\* Street 1:     Street 2:

\* City:     State:     Zip:

Congressional District, if known:

**5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime:**

<b>6. * Federal Department/Agency:</b> <input type="text" value="N/A"/>	<b>7. * Federal Program Name/Description:</b> <input type="text" value="National Resilient Disaster Recovery Competition"/> CFDA Number, if applicable: <input type="text" value="14.272"/>
--	---

<b>8. Federal Action Number, if known:</b> <input type="text"/>	<b>9. Award Amount, if known:</b> \$ <input type="text"/>
--	--

**10. a. Name and Address of Lobbying Registrant:**

Prefix  \* First Name  Middle Name

\* Last Name  Suffix

\* Street 1:     Street 2:

\* City:     State:     Zip:

**b. Individual Performing Services** (including address if different from No. 10a)

Prefix  \* First Name  Middle Name

\* Last Name  Suffix

\* Street 1:     Street 2:

\* City:     State:     Zip:

**11.** Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

\* Signature:

\* Name: Prefix  \* First Name  Middle Name   
\* Last Name  Suffix

Title:     Telephone No.:     Date:

# Applicant/Recipient Disclosure/Update Report

U.S. Department of Housing and Urban Development

OMB Number: 2510-0011  
Expiration Date: 12/31/2015

## Applicant/Recipient Information

\* Duns Number: 8083489810000

\* Report Type: INITIAL

### 1. Applicant/Recipient Name, Address, and Phone (include area code):

\* Applicant Name:

State of Iowa

\* Street1: 200 East Grand Ave.

Street2:

\* City: Des Moines

County:

\* State: IA: Iowa

\* Zip Code: 50309-1856

\* Country: USA: UNITED STATES

\* Phone: 515-725-3002

2. Social Security Number or Employer ID Number: 010606429

### \* 3. HUD Program Name:

National Resilient Disaster Recovery Competition

\* 4. Amount of HUD Assistance Requested/Received: \$ 1.00

### 5. State the name and location (street address, City and State) of the project or activity:

\* Project Name: Iowa Watershed Alliance(IOWA)for Urban and Rural Resilience

\* Street1: 200 E Grand Avenue

Street2:

\* City: Des Moines

County:

\* State: IA: Iowa

\* Zip Code: 50309-1856

\* Country: USA: UNITED STATES

## Part I Threshold Determinations

\* 1. Are you applying for assistance for a specific project or activity? These terms do not include formula grants, such as public housing operating subsidy or CDBG block grants. (For further information see 24 CFR Sec. 4.3).

Yes  No

\* 2. Have you received or do you expect to receive assistance within the jurisdiction of the Department (HUD), involving the project or activity in this application, in excess of \$200,000 during this fiscal year (Oct. 1-Sep. 30)? For further information, see 24 CFR Sec. 4.9

Yes  No

If you answered " No " to either question 1 or 2, **Stop!** You do not need to complete the remainder of this form.

**However,** you must sign the certification at the end of the report.

---

**Part II Other Government Assistance Provided or Requested / Expected Sources and Use of Funds.**

Such assistance includes, but is not limited to, any grant, loan, subsidy, guarantee, insurance, payment, credit, or tax benefit.

---

Department/State/Local Agency Name:

\* Government Agency Name:

Government Agency Address:

\* Street1:

Street2:

\* City:

County:

\* State:

\* Zip Code:

\* Country:

\* Type of Assistance:

\* Amount Requested/Provided: \$

\* Expected Uses of the Funds:

---

Department/State/Local Agency Name:

\* Government Agency Name:

Government Agency Address:

\* Street1:

Street2:

\* City:

County:

\* State:

\* Zip Code:

\* Country:

\* Type of Assistance:

\* Amount Requested/Provided: \$

\* Expected Uses of the Funds:

---

(Note: Use Additional pages if necessary.)

Add Attachment

Delete Attachment

View Attachment

**Part III Interested Parties.** You must decide.

**1. All developers, contractors, or consultants involved in the application for the assistance or in the planning, development, or implementation of the project or activity and**

2. Any other person who has a financial interest in the project or activity for which the assistance is sought that exceeds \$50,000 or 10 percent of the assistance (whichever is lower).

* Alphabetical list of all persons with a reportable financial interest in the project or activity (For individuals, give the last name first)	* Social Security No. or Employee ID No.	* Type of Participation in Project/Activity	* Financial Interest in Project/Activity (\$ and %)
<input type="text"/>	<input type="text"/>	<input type="text"/>	\$ <input type="text"/> <input type="text"/> %
<input type="text"/>	<input type="text"/>	<input type="text"/>	\$ <input type="text"/> <input type="text"/> %
<input type="text"/>	<input type="text"/>	<input type="text"/>	\$ <input type="text"/> <input type="text"/> %
<input type="text"/>	<input type="text"/>	<input type="text"/>	\$ <input type="text"/> <input type="text"/> %
<input type="text"/>	<input type="text"/>	<input type="text"/>	\$ <input type="text"/> <input type="text"/> %

(Note: Use Additional pages if necessary.)

Add Attachment

Delete Attachment

View Attachment

**Certification**

**Warning:** If you knowingly make a false statement on this form, you may be subject to civil or criminal penalties under Section 1001 of Title 18 of the United States Code. In addition, any person who knowingly and materially violates any required disclosures of information, including intentional non-disclosure, is subject to civil money penalty not to exceed \$10,000 for each violation.

I certify that this information is true and complete.

\* Signature:

\* Date: (mm/dd/yyyy)

Completed Upon Submission to Grants.gov

## ATTACHMENTS FORM

**Instructions:** On this form, you will attach the various files that make up your grant application. Please consult with the appropriate Agency Guidelines for more information about each needed file. Please remember that any files you attach must be in the document format and named as specified in the Guidelines.

**Important:** Please attach your files in the proper sequence. See the appropriate Agency Guidelines for details.

1) Please attach Attachment 1	Exhibit_A_Executive_Summary.pdf	Add Attachment	Delete Attachment	View Attachment
2) Please attach Attachment 2	Exhibit_B_Threshold.pdf	Add Attachment	Delete Attachment	View Attachment
3) Please attach Attachment 3	Exhibit_C_Capacity.pdf	Add Attachment	Delete Attachment	View Attachment
4) Please attach Attachment 4	Exhibit_D_Need_Extent.pdf	Add Attachment	Delete Attachment	View Attachment
5) Please attach Attachment 5	Exhibit_E_Soundness_of_Appro	Add Attachment	Delete Attachment	View Attachment
6) Please attach Attachment 6	Exhibit_F_Leverage_and_Outco	Add Attachment	Delete Attachment	View Attachment
7) Please attach Attachment 7	Exhibit_G_Regional_Longterm_C	Add Attachment	Delete Attachment	View Attachment
8) Please attach Attachment 8	AttachmentAPartnerDoc.pdf	Add Attachment	Delete Attachment	View Attachment
9) Please attach Attachment 9	AttachmentBLeverageDocumentat	Add Attachment	Delete Attachment	View Attachment
10) Please attach Attachment 10	AttachmentC_Certifications.pd	Add Attachment	Delete Attachment	View Attachment
11) Please attach Attachment 11	AttachmentD_Consultation_Sumr	Add Attachment	Delete Attachment	View Attachment
12) Please attach Attachment 12	AttachmentH_Crosswalk_Checkl:	Add Attachment	Delete Attachment	View Attachment
13) Please attach Attachment 13		Add Attachment	Delete Attachment	View Attachment
14) Please attach Attachment 14		Add Attachment	Delete Attachment	View Attachment
15) Please attach Attachment 15		Add Attachment	Delete Attachment	View Attachment

Attachment C

Application Certifications

**Attachment C**  
**CDBG-NDR Application Certifications**

The State certifies that:

- a. It will affirmatively further fair housing, which means that it will conduct an analysis to identify impediments to fair housing choice within its jurisdiction and take appropriate actions to overcome the effects of any impediments identified through that analysis, and maintain records reflecting the analysis and actions in this regard (see 24 CFR 570.487(b)(2) and 570.601(a)(2)). In addition, the grantee certifies that agreements with subrecipients will meet all civil rights related requirements pursuant to 24 CFR 570.503(b)(5).
- b. It has in effect and is following a residential anti- displacement and relocation assistance plan in connection with any activity assisted with funding under the CDBG program.
- c. It is in compliance with restrictions on lobbying required by 24 CFR part 87, together with disclosure forms, if required by part 87.
- d. The Community Development Block Grant National Disaster Resilience application is authorized under State and local law (as applicable) and that the State, and any contractor, subrecipient, or designated public agency carrying out an activity with CDBG–NDR funds, possess(es) the legal authority to carry out the program for which it is seeking funding, in accordance with applicable HUD regulations and this NOFA.
- e. Once determined, the activities to be administered with funds under this NOFA will be consistent with its Phase 2 Application.
- f. It will comply with the acquisition and relocation requirements of the URA, as amended, and implementing regulations at 49 CFR part 24, except where waivers or alternative requirements are provided for in this NOFA.
- g. It will comply with section 3 of the Housing and Urban Development Act of 1968 (12 U.S.C. 1701u), and implementing regulations at 24 CFR part 135.
- h. It is following a detailed citizen participation plan that satisfies the requirements of 24 CFR 91.105 or 91.115, as applicable (except as provided for in notices providing waivers and alternative requirements for this grant). Also, each UGLG receiving assistance from the State will follow a detailed citizen participation plan that satisfies the requirements of 24 CFR 570.486 (except as provided for in notices providing waivers and alternative requirements for this grant).
- i. Each State receiving a direct award under this Notice certifies that it has consulted with affected UGLGs in counties designated in covered major disaster declarations in the non-entitlement, entitlement, and tribal areas of the State in determining the uses of funds, including method of distribution of funding, or activities carried out directly by the State.
- j. It is complying with each of the following criteria:



(1) Funds will be used solely for necessary expenses related to disaster relief, long-term recovery, restoration of infrastructure and housing, and economic revitalization in the most impacted and distressed areas for which the President declared a major disaster in the aftermath of an event occurring in 2011, 2012, or 2013, pursuant to the Stafford Act.

(2) With respect to activities expected to be assisted with CDBG–NDR funds, the

Application has been developed so as to give the maximum feasible priority to activities that will benefit low- and moderate-income families.

(3) The aggregate use of CDBG–NDR funds shall principally benefit low- and moderate-income families in a manner that ensures that at least 50 percent of the grant amount is expended for activities that benefit such persons, unless waived by HUD based on a finding of compelling need.

(4) It will not attempt to recover any capital costs of public improvements assisted with CDBG–NDR grant funds, by assessing any amount against properties owned and occupied by persons of low- and moderate-income, including any fee charged or assessment made as a condition of obtaining access to such public improvements, unless: (a) disaster recovery grant funds are used to pay the proportion of such fee or assessment that relates to the capital costs of such public improvements that are financed from revenue sources other than under this title; or (b) for purposes of assessing any amount against properties owned and occupied by persons of moderate income, the grantee certifies to the Secretary that it lacks sufficient CDBG funds (in any form) to comply with the requirements of clause (a).

k. It (and any subrecipient or recipient)) will conduct and carry out the grant in conformity with title VI of the Civil Rights Act of 1964 (42 U.S.C. 2000d) and the Fair Housing Act (42 U.S.C. 3601–3619) and implementing regulations.

l. It has adopted and is enforcing the following policies and will require any UGLG that receives grant funds to certify that it has adopted and is enforcing:

(1) A policy prohibiting the use of excessive force by law enforcement agencies within its jurisdiction against any individuals engaged in nonviolent civil rights demonstrations; and

(2) A policy of enforcing applicable State and local laws against physically barring entrance to or exit from a facility or location that is the subject of such nonviolent civil rights demonstrations within its jurisdiction.

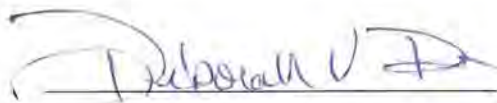
m. It (and any subrecipient or recipient) has the capacity to carry out the activities proposed in its Application in a timely manner; or will develop a plan to increase capacity where such capacity is lacking.

n. It will not use grant funds for any activity in an area delineated as a special flood hazard area or equivalent in FEMA's most recent and current data source unless it also ensures that the action is designed or modified to minimize harm to or within the floodplain in accordance with Executive Order 11988 and 24 CFR part 55. The relevant data source for this provision is the latest issued FEMA data or guidance, which includes advisory data (such as Advisory Base Flood Elevations) or preliminary and final Flood Insurance Rate Maps.

o. Its activities concerning lead-based paint will comply with the requirements of 24 CFR part 35, subparts A, B, J, K, and R.

p. It will comply with applicable laws.

q. It has reviewed the requirements of this NOFA and requirements of Public Law 113-2 applicable to funds allocated by this Notice, and that it has in place proficient financial controls and procurement processes and has established adequate procedures to prevent any duplication of benefits as defined by section 312 of the Stafford Act, to ensure timely expenditure of funds, to maintain comprehensive Web sites regarding all disaster recovery activities assisted with these funds, and to detect and prevent waste, fraud, and abuse of funds.

 3-9-15

Signature/Authorized Official

Date



Title

**Certification of Consistency  
with the Consolidated Plan**U.S. Department of Housing  
and Urban Development

I certify that the proposed activities/projects in the application are consistent with the jurisdiction's current, approved Consolidated Plan.  
(Type or clearly print the following information:)

Applicant Name: State of IowaProject Name: Iowa Watershed Alliance (IoWA) for Urban and Rural ResilienceLocation of the Project: Iowa Economic Development Authority  
200 East Grand Avenue  
Des Moines, Iowa 50309Name of the Federal  
Program to which the  
applicant is applying: National Resilient Disaster Recovery CompetitionName of  
Certifying Jurisdiction: State of IowaCertifying Official  
of the Jurisdiction  
Name: Timothy R. WaddellTitle: Division AdministratorSignature: Date: 3-17-15

Attachment A

Partner Documentation

State of Iowa





## STATE OF IOWA

**TERRY E. BRANSTAD**  
GOVERNOR

**KIM REYNOLDS**  
LT. GOVERNOR

IOWA HOMELAND SECURITY AND  
EMERGENCY MANAGEMENT DEPARTMENT  
MARK J. SCHOUTEN, HOMELAND SECURITY ADVISOR  
AND EMERGENCY MANAGEMENT DIRECTOR

March 19, 2015

Debi Durham, Director  
Iowa Economic Development Authority  
200 East Grand Avenue  
Des Moines, IA 50309

**SUBJECT:** Intent to Participate – CDBG-NDR

Dear Director Durham:

This letter is to confirm the mutual intent of both Iowa Department of Economic Development Authority (IEDA) and Iowa Department of Homeland Security and Emergency Management (HSEMD) to collaborate and enter into a partner agreement, contingent upon the award of funds from the United States Department of Housing and Urban Development for the Community Development Block Grant National Disaster Resilience (CDBG-NDR) competition, to carry out eligible activities as provided in the IEDA's CDBG-NDR application.

HSEMD has been working to make Iowa more prepared for disasters since it began as the State Civil Defense Agency in 1965. We are committed to making our state more prepared for any emergency or disaster. Following the terrorist attacks of September 11, 2001, HSEMD was directed by the Governor to coordinate Iowa's homeland security efforts. Our mission is to lead, coordinate, and support homeland security and emergency management functions in order to establish sustainable communities and ensure economic opportunities for Iowa and its citizens.

HSEMD has been managing federal funds and performing project management and administrative oversight of FEMA projects since 1980. In 2008, HSEMD recovery financial staff was tasked by the Governor to assist with standing up Iowa's Rebuild Iowa Office that included establishing policies, procedures, internal controls, and other financial management standards for work activities at this office. In 2014, we began our participation in FEMA's Program Administered by States Pilot program as a result of our qualified staff, grants management, and hazard mitigation practices and program implementation.

Debi Durham, Director of IEDA  
March 19, 2015  
Page Two

Based on our infinite experiences and proficiencies as noted above, HSEMD will partner with IEDA to provide coordination and implementation activities proposed in the CDBG-NDR application. We will serve as the lead for project management from the initial project consultation and implementation through closeout. We will oversee and enforce all applicable program and financial federal requirements, including the 2 CFR, 24 CFR, and the 2014 National Disaster Resilience Competition.

It is understood that this letter is only an expression of our intent and a binding partner agreement detailing the terms and conditions of the proposed partnership must be executed before the use of any CDBG-NDR funds, if awarded.

Sincerely,



Mark J. Schouten  
Director of HSEMD

**Director's Office**  
800 Lincoln Way | Ames, IA 50010  
Phone: 515-239-1111 | Fax: 515-239-1120

March 18, 2015

Mark Schouten, Director  
Iowa Department of Homeland Security & Emergency Management  
7900 Hickman Road, Suite 500  
Windsor Heights, IA 50324

Re: Intent to Participate

Director Schouten,

This letter is to confirm the mutual intent of both Iowa Department of Homeland Security and Emergency Management (Iowa HSEM) and Iowa Department of Transportation (DOT) to collaborate and enter into a partner agreement (or other agreement), contingent upon the award of funds from the United States Department of Housing and Urban Development for the Community Development Block Grant National Disaster Resilience (CDBG-NDR) competition, to carry out eligible activities as provided in the Iowa HSEM CDBG-NDR application.

DOT is responsible for more than 9,400 miles of state-owned highways and nearly 4,200 bridges as well as motor vehicle enforcement, aviation, rail, public transit, and the promotion of river navigation.

Every year flooding is damaging or destroying roads, bridges and culverts on not only state-owned but also secondary road systems. DOT will work with HSEM and secondary road engineers to add resiliency to the transportation system.

It is understood that this letter is only an expression of our intent and a binding partner agreement (or other agreement) detailing the terms and conditions of the proposed partnership must be executed before the use of any CDBG-NDR funds, if awarded.

Sincerely,



Paul Trombino III, Director  
Iowa DOT





March 10, 2015

Mark Schouten, Director  
Iowa Department of Homeland Security & Emergency Management  
7900 Hickman Road, Suite 500  
Windsor Heights, IA 50324

Re: Intent to Participate

Director Schouten,

This letter is to confirm the mutual intent of Iowa Department of Homeland Security and Emergency Management (Iowa HSEM), the Iowa Department of Agriculture and Land Stewardship (IDALS), and Iowa Department of Natural Resources (DNR) to collaborate and enter into a partner agreement (or other agreement), contingent upon the award of funds from the United States Department of Housing and Urban Development for the Community Development Block Grant National Disaster Resilience (CDBG-NDR) competition, to carry out eligible activities as provided in the Iowa HSEM CDBG-NDR application.

Land stewardship is central to the work of IDALS. The Division of Soil Conservation provides farmers with financial and technical assistance to install practices that preserve our highly productive soil, prevent erosion and protect our critical waterways. The Department is focused on making sure future Iowans can experience the same high quality of life that past generations have enjoyed in our state.

DNR manages fish and wildlife programs, ensures the health of Iowa's forests and prairies, and provides recreational opportunities in Iowa's state parks. Just as importantly, the DNR carries out state and federal laws that protect air, land and water through technical assistance, permitting and compliance programs. The DNR also encourages the enjoyment and stewardship of natural resources among Iowans through outreach and education.





IDALS and DNR have collaborated on watershed programs and projects for more than 20 years and we will provide leveraging of existing state watershed programs that address soil loss/health, water quality and quantity, and flooding, to the extent that funds obligated to those programs are not already committed as leverage to other federally-supported initiatives. These programs have funded projects in the planning and implementation phase that will be enhanced by collaborating with CDBG-NDR funding to reduce the environmental degradation of Iowa's soil and water. These activities will add to the disaster resiliency efforts in Iowa as well as addressing long-term recovery efforts from the disasters in 2011-2013.

It is understood that this letter is only an expression of our intent and a binding partner agreement (or other agreement) detailing the terms and conditions of the proposed partnership must be executed before the use of any CDBG-NDR funds, if awarded.

Sincerely,

A handwritten signature in cursive script that reads 'Bill Northey'.

Bill Northey  
Iowa Secretary of Agriculture

A handwritten signature in cursive script that reads 'Chuck Gipp'.

Chuck Gipp  
Director, Iowa DNR

# IOWA WATER CENTER

at IOWA STATE UNIVERSITY

3212 Agronomy Hall  
Ames, Iowa 50011-1010  
515 294-7850  
FAX 515 294-3163  
[iowawatercenter@iastate.edu](mailto:iowawatercenter@iastate.edu)

February 17, 2015

Mark Schouten, Director  
Iowa Department of Homeland Security & Emergency Management

Re: Intent to Participate

This letter is to confirm the mutual intent of both Iowa Department of Homeland Security and Emergency Management (Iowa HSEM) and ISU Water Center along with the Department of Agronomy to collaborate and enter into a partner agreement, contingent upon the award of funds from the United States Department of Housing and Urban Development for the Community Development Block Grant National Disaster Resilience (CDBG-NDR) competition, to carry out eligible activities as provided in the Iowa HSEM CDBG-NDR application.

The Iowa Water Center is one of 54 Water Resources Research Institutes established under the Water Resources Research Act of 1964. We are federally funded through the USGS and required to have a seed grant research and outreach program. We are housed within the Agronomy Department at Iowa State University and administered through the Vice President for Research Office at Iowa State University. The Agronomy Department is one of the premier research and education departments in the country addressing soil, crop, climate, and water related topics.

Our strength is in the soil erosion science. As a partner we will furnish spatially and temporally explicit estimates of rainfall, soil erosion and water runoff across Iowa and actively engage with identifying approaches to address remediation of damages caused by extreme events occurring in the state. We will additionally make available archived data dating back to the Iowa Daily Erosion Project initiation (2002) as deemed of value.

It is understood that this letter is only an expression of our intent and a binding partner agreement (or other agreement) detailing the terms and conditions of the proposed partnership must be executed before the use of any CDBG-NDR funds, if awarded.

Sincerely,



Richard M. Cruse, Director  
Iowa Water Center  
Email: [rmc@iastate.edu](mailto:rmc@iastate.edu)





COLLEGE OF ENGINEERING  
**IIHR—Hydrosience & Engineering**  
100 Hydraulics Laboratory  
Iowa City, Iowa 52242-1585 USA  
319-335-5237 Fax 319-335-5238

Mark Schouten, Director  
Iowa Department of Homeland Security & Emergency Management

Re: Intent to Participate

This letter is to confirm the mutual intent of both Iowa Department of Homeland Security and Emergency Management (Iowa HSEM) and IIHR—Hydrosience & Engineering (IIHR) to collaborate and enter into a partner agreement (or other agreement), contingent upon the award of funds from the United States Department of Housing and Urban Development for the Community Development Block Grant National Disaster Resilience (CDBG-NDR) competition, to carry out eligible activities as provided in the Iowa HSEM CDBG-NDR application.

IIHR—Hydrosience & Engineering, a unit within the College of Engineering at the University of Iowa, is home to the Iowa Flood Center. The IFC has an overarching goal of improving flood monitoring and prediction. Efforts include developing hydrologic models for physically-based flood frequency estimation and real-time forecasting of floods; establishing community-based programs to improve flood monitoring and prediction along Iowa's waterways; sharing resources and expertise; and assisting in the development of a workforce in the state knowledgeable regarding flood research, prediction, and mitigation.

To support Iowa's CDBG-NDR application, IIHR and the Iowa Flood Center will work in coordination with Iowa's Watershed Management Authorities and other project partners. For the identified project areas, the IFC will deploy monitoring instrumentation and develop highly-detailed hydrologic models of each target watershed to assess the impacts of each mitigation project on water quality and water quantity, to understand the delicate conditions within each watershed, and to evaluate the impacts a changing climate may have at the watershed scale. This approach will provide an innovative science-based framework to guide future resiliency planning and implementation across the state.

It is understood that this letter is only an expression of our intent and a binding partner agreement (or other agreement) detailing the terms and conditions of the proposed partnership must be executed before the use of any CDBG-NDR funds, if awarded.

Sincerely,

Larry Weber, Ph.D.  
Director, IIHR—Hydrosience & Engineering





1255 SW Prairie Trail Pkwy  
Ankeny, Iowa 50023  
515-334-1480  
[www.iowaagwateralliance.com](http://www.iowaagwateralliance.com)

March 11, 2015

Mark Schouten, Director  
Iowa Department of Homeland Security & Emergency Management  
7900 Hickman Road, Suite 500  
Windsor Heights, IA 50324

RE: Intent to Participate

Dear Mr. Mark Schouten,

This letter is to confirm the mutual intent of both Iowa Department of Homeland Security and Emergency Management (Iowa HSEM) and the Iowa Agriculture Water Alliance (IAWA) to collaborate and enter into a partner agreement, contingent upon the award of funds from the United States Department of Housing and Urban Development for the Community Development Block Grant National Disaster Resilience (CDBG-NDR) competition, to carry out eligible activities as provided in the Iowa HSEM CDBG-NDR application.

The Iowa Agriculture Water Alliance (IAWA) is a nonprofit organization created to work with farmers to meaningfully improve Iowa's water quality. Formed by the Iowa Soybean Association, Iowa Corn Growers Association and Iowa Pork Producers Association, IAWA is committed to increasing the pace and scale of implementation of the Iowa Nutrient Reduction Strategy (INRS). The INRS established reduction goals for nitrogen and phosphorous from both point and nonpoint sources and calls upon those two communities to partner to design the most cost effective measures that improve water quality for the benefit of all Iowans.

IAWA's partnership would include being a subrecipient of grant money in order to work with Iowa farmers to encourage the adoption of conservation practices. These practices deliver double benefits by reducing the probability of future flooding events and are scientifically proven to improve water quality. This grant money will help IAWA intensify efforts to work with Iowa farmers and point source communities on behalf of the proposed partnership.

It is understood that this letter is an expression of our intent and a binding contract detailing the terms and condition of the proposed partnership must be executed before the use of any DCBG-NDR funds, if awarded.

Best Regards,

A handwritten signature in blue ink, appearing to read "Sean McMahon", is written over a light blue circular stamp.

Sean McMahon  
Executive Director





505 5th Avenue, Suite 444  
Des Moines, IA 50309-2321

www.inhf.org  
E-mail: info@inhf.org  
Phone: 515.288.1846  
Toll Free: 800.475.1846  
Fax: 515.288.0137

February 26, 2015

Mark Schouten, Director  
Iowa Department of Homeland Security & Emergency Management  
7900 Hickman Road, Suite 500  
Windsor Heights, IA 50324

Re: Intent to Participate

To whom it may concern:

This letter is to confirm the mutual intent of both Iowa Department of Homeland Security and Emergency Management (Iowa HSEM) and the Iowa Natural Heritage Foundation (INHF) to collaborate and enter into a partner agreement, contingent upon the award of funds from the United States Department of Housing and Urban Development for the Community Development Block Grant National Disaster Resilience (CDBG-NDR) competition, to carry out eligible activities as provided in the Iowa HSEM CDBG-NDR application.

INHF protected 4,967 acres at 40 sites in 27 counties in 2014. We partnered with other organizations and agencies to create parks, trails, and wildlife areas. With government partners, we increased public lands where people can connect with nature. Our professional staff walks landowners through the steps to donate or sell land for conservation. We sometimes purchase and own land for a time until public agencies can secure funds to buy priority lands from INHF.

INHF is willing to serve as a contractor, sub recipient, or other type of partner to leverage grant funds and implement disaster resilience in the following ways:

- Negotiate permanent protection of conservation land to restore floodplain functions
- Utilize state and federal income tax incentives to stretch land protection funds
- Utilize targeting technology INHF developed with the Flood Center at the University of Iowa for efficient restoration of floodplain function
- Coach, encourage, and train local conservation professionals in the access and use of land protection tools

It is understood that this letter is only an expression of our intent and a binding partner agreement detailing the terms and conditions of the proposed partnership must be executed before the use of any CDBG-NDR funds, if awarded.

Sincerely,

A handwritten signature in blue ink that reads "Anita O'Gara".

Anita O'Gara  
Vice President & Development Director





317 7<sup>th</sup> Avenue SE, Suite 401  
Cedar Rapids, Iowa 52401-1604  
319-398-5372 • 800-332-8182 • FAX 319-398-5381

Tuesday, March 17, 2015

Mark Schouten, Director  
Iowa Department of Homeland Security and Emergency Management  
7900 Hickman Road, Suite 500  
Windsor Heights, IA 50324

Re: Intent to Participate

Dear Mr. Mark Schouten,

This letter is to confirm the mutual intent of both Iowa Department of Homeland Security and Emergency Management (Iowa HSEM) and FCFH-Iowa, Inc. also known as United Way 2-1-1, a subsidiary of United Way of East Central Iowa to collaborate and enter into a partner agreement, contingent upon the award of funds from the United States Department of Housing and Urban Development for the Community Development Block Grant National Disaster Resilience (CDBG-NDR) competition, to carry out eligible activities as provided in the Iowa HSEM CDBG-NDR application.

FCFH-Iowa, Inc. United Way 2-1-1 is a nonprofit organization that provides health and human service information and referral to individuals and families. Individuals can access the service via telephone by dialing 2-1-1 or by visiting our website at [www.firstcallforhelpiowa.org](http://www.firstcallforhelpiowa.org), 24 hours a day/7 days a week. FCFH-Iowa, Inc. also provides preparedness, response and recovery activities including the registering of individuals who would need help during a natural or man-made disaster, including floods. We also participate in the response during these events and are seated at the Emergency Operations Centers to provide public information and rumor control. During recovery we help individuals connect to the resources they need to rebuild.

FCFH-Iowa, Inc.'s partnership would include being a sub recipient of grant money in order to register individuals for the Iowa Special Needs Registry. This program provides benefit to the residents of the community and the County Emergency Management Agency. Individuals know that they will receive evacuation or other assistance during a flood or other event and County Emergency Management knows how to connect with individuals who may need assistance during a flood or other event.

It is understood that this letter is an expression of our intent and a binding contract detailing the terms and condition of the proposed partnership must be executed before the use of any CDBG-NDR funds, if awarded.

Sincerely,

A handwritten signature in cursive script that reads "Chris Juett".

Chris Juett  
Manager – 2-1-1 Program  
FCFH-Iowa, Inc.

In partnership with Cedar Valley United Way, United Way of East Central Iowa, United Way of Johnson and Washington Counties, United Way of North Central Iowa, United Way of Wapello County and Waverly-Shell Rock Area United Way





**Environmental  
Programs & Services**  
IOWA SOYBEAN ASSOCIATION

February 24, 2015

Mark Schouten, Director  
Iowa Department of Homeland Security & Emergency Management  
7900 Hickman Road, Suite 500  
Windsor Heights, IA 50324

Re: Intent to Participate

This letter is to confirm the mutual intent of both Iowa Department of Homeland Security and Emergency Management (Iowa HSEM) and the Iowa Soybean Association (ISA) to collaborate and enter into a partner agreement, contingent upon the award of funds from the United States Department of Housing and Urban Development for the Community Development Block Grant National Disaster Resilience (CDBG-NDR) competition, to carry out eligible activities as provided in the Iowa HSEM CDBG-NDR application.

ISA is the largest state-based row crop commodity association in the US, representing over 40,000 soybean farmers producing about half a billion bushels of soybeans annually. This opportunity is timely considering that global demand is increasing for food, feed and fiber as well as for additional outputs of the agricultural bio economy, including ecosystem services such as provision of maintaining productive soils, producing high-quality water and flood mitigation

In 2000 the ISA farmer board of directors initiated an Environmental Programs and Services department seeking to advance productivity, profitability and environmental quality. Today, ISA maintains 10 full time staff specialist's and uses state of the art facilities and equipment enabling us to provide unique services and support to farmers and communities across Iowa. ISA programs model cooperative upstream and downstream partnerships and apply leadership to achieve goals. Financial support for these efforts comes from the Soybean Checkoff, state and federal grants, contracts and landowners.

In 2012, we began partnering with a number of organizations to improve water quality and enhance flood mitigation efforts in the Upper Cedar River Watershed. This includes long-term watershed plan development, nutrient management planning with area farmers, soil and nutrient loss and risk analysis, hydrology assessments, conservation practice demonstrations, stream assessments, and wildlife habitat planning. We are currently partnering with Soil and Water Conservation Districts in Bremer, Chickasaw, Floyd, and Mitchell Counties, USDA-Natural Resources Conservation Service, the National Fish and Wildlife Foundation, the Iowa Flood Center, and the Walton Family Foundation. These efforts are being coordinated with watershed improvement efforts organized by the Upper Cedar River Watershed Management Authority and other partners. ISA hopes to continue building support and providing leadership in this area.

Intent to Participate

February 24, 2015

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Among the work/services we are prepared to engage includes: Continuing to foster and lead integrated watershed management planning approaches at all levels; Advance site-specific initiatives using locally collected data to guide local implementation strategies; Create and support research and monitoring incorporating outcome data as feedback for adjusting implementation strategies and tactics; and Advance intergovernmental cooperation and public-private partnerships tailored to local and regional needs. In summary we are prepared to enter into cooperative contractual relationships delivering services and projects in support of community goals.

It is understood that this letter is only an expression of our intent and a binding partner detailing the terms and conditions of the proposed partnership must be executed before the use of any CDBG-NDR funds, if awarded.

Sincerely,



Roger Wolf  
Director of Environmental Programs and Services  
Iowa Soybean Association



**2015 ISAC Executive Board**

**PRESIDENT**

Melvyn Houser  
Pottawattamie County Supervisor  
NACo Representative

**1ST VICE PRESIDENT**

Joan McCalmant  
Linn County Recorder

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Peggy Rice  
Humboldt County Auditor

**3RD VICE PRESIDENT**

Lonny Pulkrabek  
Johnson County Sheriff

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Linn County Supervisor  
NACo Past President

Grant Veeder  
Black Hawk County Auditor

**ISAC Executive Director**

William R. Peterson

February 20, 2015

Mark Schouten, Director

Iowa Department of Homeland Security & Emergency Management

7900 Hickman Road, Suite 500

Windsor Heights, Iowa 50324

Re: Intent to Participate

Dear Director Schouten:

This letter is to confirm the mutual intent of both Iowa Department of Homeland Security and Emergency Management (Iowa HSEM) and the Iowa State Association of Counties (ISAC) to collaborate and enter into a partner agreement (or other agreement), contingent upon the award of funds from the United States Department of Housing and Urban Development for the Community Development Block Grant National Disaster Resilience (CDBG-NDR) competition, to carry out eligible activities as provided in the Iowa HSEM CDBG-NDR application.

ISAC is a private non-profit organization that is responsible for providing services to county officials in Iowa. Our organization encompasses all elected and appointed offices in county government. ISAC's Board of Directors has representative from each of our 15 affiliate associations. Our role is to facilitate joint efforts and cooperation among counties and county officials to assist in effective and efficient delivery of services to the citizens in Iowa. ISAC can be instrumental in assisting the Iowa HSEM Department coordinate effort between our various affiliate groups, such as county supervisors, engineers and emergency management directors. We are committed to helping fulfill the goals outlined in the CDBG-NDR application.

It is understood that this letter is only an expression of our intent, and a binding partner agreement (or other agreement) detailing the terms and conditions of the proposed partnership must be executed before the use of any CDBG-NDR funds, if awarded.

Sincerely,



Melvyn Houser, President

Iowa State Association of Counties



Protecting nature. Preserving life.™

Iowa Field Office  
505 - 5<sup>th</sup> Avenue, STE 930  
Des Moines, IA 50309

Tel (515) 244-5044  
Fax (515) 244-8890

nature.org/iowa  
facebook.com/TNCIowa

Mark Schouten, Director  
Iowa Department of Homeland Security & Emergency Management

Re: Intent to Participate

Mr. Schouten,

This letter is to confirm the mutual intent of both The Nature Conservancy (TNC) and the Iowa Department of Homeland Security and Emergency Management (Iowa HSEM) to collaborate and enter into a partner agreement (or other agreement), contingent upon the award of funds from the United States Department of Housing and Urban Development for the Community Development Block Grant National Disaster Resilience (CDBG-NDR) competition, to carry out eligible activities as provided in the Iowa HSEM CDBG-NDR application.

The Nature Conservancy, an international non-profit conservation organization, has been committed to watershed work in Iowa since 2003. We work with private and public partners across the state to implement science-based solutions including reconnecting rivers to their floodplains, restoration of wetlands, and increased adoption of conservation practices on farmland that can improve water quality, reduce flood risk and enhance habitat. The Cedar Basin is one of more than 20 demonstration sites across the U.S. where TNC is testing and demonstrating the potential for natural infrastructural solutions to help protect people and property. We value the holistic watershed-based approach being proposed by Iowa HSEM. A diversity of committed partners is critical for the success of watershed management and improvement of water quality and we are excited to be part of the Iowa HSEM partnership.

TNC is willing to assist in the leveraging of grant funds and may implement disaster resilience in Iowa in some of the following ways:

- Negotiate permanent protection of floodplains through conservation easements or in-fee acquisition
- Restore wetlands, oxbows, and functional floodplains
- Collaborate with businesses involved in the food supply chain to influence agricultural land stewardship
- Collaborate with farmers to implement agricultural Best Management Practices
- Utilize our preserves as a "living lab" to demonstrate the value of natural infrastructure
- Provide scientific support to help inform identification of floodplains and wetlands that are high priority for actions that could both restore ecological function and contribute to risk reduction
- Leverage scientific information from ongoing, funded analyses regarding the provision of multiple ecosystem services by agricultural conservation practices and floodplain and wetland restoration.
- Build upon existing robust networks with agricultural producers, state and federal agencies and other partners to engage stakeholders, disseminate information and catalyze project implementation.

It is understood that this letter is only an expression of our intent, and a binding partner agreement (or other agreement) detailing the terms and conditions of TNC's specific role in the Iowa HSEM partnership must be executed before TNC is obligated to perform any of the activities described in this letter of support and before TNC's use of any CDBG-NDR funds, if awarded.

Sincerely,

A handwritten signature in cursive script that reads "Jan Glendening".

Jan Glendening  
Iowa State Director  
The Nature Conservancy





February 24, 2015

Mark Schouten, Director  
Iowa Department of Homeland Security & Emergency Management  
7900 Hickman Road, Suite 500  
Windsor Heights, IA 50324

Re: Intent to Participate

This letter is to confirm the mutual intent of both Iowa Department of Homeland Security and Emergency Management (Iowa HSEM) and Turkey River Watershed Management Authority (TRWMA) to collaborate and enter into a partner agreement (or other agreement), contingent upon the award of funds from the United States Department of Housing and Urban Development for the Community Development Block Grant National Disaster Resilience (CDBG-NDR) competition, to carry out eligible activities as provided in the Iowa HSEM CDBG-NDR application.

The TRWMA is the largest Watershed Management Authority (WMA) in Iowa. Our membership includes 7 Soil and Water Conservation Districts, 5 County Board of Supervisors and 23 communities working together to reduce flooding and improve water quality in our 1,083,520-acre watershed. Through our WMA partnership we have been able complete a thorough assessment, better understand the existing environmental degradation, develop plans for flood mitigation and water quality improvement, understand how to increase watershed resilience, and maximize the opportunities for and benefits from locally led projects. We have engaged producers in the research, outreach and planning while partnering with local, regional and state hydrologic and conservation experts. This collaborative approach has allowed us to prioritize projects and approaches that maximize outcomes and benefits and has given us a dynamic capacity to ignite local passion for action that is based in sound science.

Today the Turkey River Watershed is one of the most monitored watersheds in the nation. We have base-line data on water quality from over 50 sites in the watershed, 21 stream/river gauging stations, and 6 real-time nitrate monitors. We will begin tile line monitoring at 12 sites in the watershed and will place 23 rain gauge/soil moisture probes placed strategically across the watershed this spring. This monitoring network allows our producers and community members to understand the hydrology of our watershed, participate in the science of watershed assessment and will soon help them see the impact that their actions have on water quality and flow. The Iowa Flood Center and Iowa NRCS have completed watershed assessment and hydrologic modeling of the Turkey River Watershed, helping us better understand how our local actions can result in a healthier watershed. We are also working with dozens of producers to develop education and outreach tools as well as media that will encourage producers from throughout the watershed to participate in on the ground projects that will enhance soil health and water quality, slow storm water runoff, decrease the environmental degradation caused by flash flooding, sequester carbon and increase the benefits of public investment in watershed resiliency.

We have strong relationships with local public and private entities that work with us to plan and implement projects. We are prepared to implement all, or portions of, our plan for improved watershed health, improved water quality and reduced flooding. We will continue to foster and lead the implementation of innovative solutions and local investments. We will prioritize projects based on the modeling conducted by the Iowa Flood Center and our regional partners and the resulting expected environmental outcomes. We can provide site-specific initiatives using locally collected data to put projects on the ground. Our extensive research and monitoring will provide feedback and allow our partners to measure the impact and benefits of their investment. Our strong community outreach and

producer engagement will ensure that projects can be put on the ground in a timely manner. We are prepared to enter into cooperative contractual relationships delivering services and projects in support of our watershed community goals.

It is understood that this letter is only an expression of our intent and a binding partner agreement (or other agreement) detailing the terms and conditions of the proposed partnership must be executed before the use of any CDBG-NDR funds, if awarded.

Sincerely,

A handwritten signature in blue ink that reads "Rod Marlatt". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Rod Marlatt  
Chair  
Turkey River Watershed Management Authority





# Indian Creek

Watershed Management Authority

COOPERATION • FLOOD MANAGEMENT • CLEAN WATER

March 17, 2015

Mark Schouten, Director  
Iowa Department of Homeland Security & Emergency Management  
7900 Hickman Road, Suite 500  
Windsor Heights, IA 50324

Re: Intent to Participate

This letter is to confirm the mutual intent of both Iowa Department of Homeland Security and Emergency Management (Iowa HSEM) and the Indian Creek Watershed Management Authority (ICWMA) to collaborate and enter into a partner agreement (or other agreement), contingent upon the award of funds from the United States Department of Housing and Urban Development for the Community Development Block Grant National Disaster Resilience (CDBG-NDR) competition, to carry out eligible activities as provided in the Iowa HSEM CDBG-NDR application.

The ICWMA is a cooperative intergovernmental agreement, recognized by the State of Iowa under Iowa Code 28E and 466B, among the County of Linn, the Linn Soil & Water Conservation District, and the cities of Cedar Rapids, Hiawatha, Marion, and Robins. The participating local governments formed the ICWMA to increase communication and coordination within the watershed to reduce flood risk and improve water quality. The Indian Creek Watershed is the 93 square-mile area of land draining to Dry Creek, Indian Creek and Squaw Creek, and ultimately to the Cedar River. Flooding has been a persistent issue for watershed residents, which has led the participating local governments to form the ICWMA and to complete a Watershed Management Plan due to be released in June 2015.

The Indian Creek Watershed Management Plan was developed through an in-depth assessment of the physical and community aspects of the watershed by partnering with federal, state and local experts such as the US Army Corps of Engineers Rock Island District, the Iowa Department of Natural Resources, the local Soil & Water Conservation District, and the Chemistry Department at Coe College. The data collected and analyzed through the planning

process led to the development of locally driven implementation strategies that take into account future land use trends and the impacts of climate change to reduce peak flows and improve water quality. As the ICWMA moves from the planning stage to the plan implementation stage, we will continue to seek partnerships with public and private interests to advance our local solutions for the watershed.

The Indian Creek Watershed Management Authority supports a pro-active approach to watershed management and is prepared to enter into an agreement with Iowa HSEM to implement activities identified in the Indian Creek Watershed Management Plan that align with CDBG-NDR priorities.

It is understood that this letter is only an expression of our intent and a binding partner agreement (or other agreement) detailing the terms and conditions of the proposed partnership must be executed before the use of any CDBG-NDR funds, if awarded.

Sincerely,



Sandy Pumphery  
Vice-Chairperson  
Indian Creek Watershed Management Authority





City Manager's Office  
City Hall  
50 W 13<sup>th</sup> Street  
Dubuque IA 52001-4805  
Office (563) 589-4110  
Fax (563) 589-4149  
TTY (563) 690-6678  
[ctymgr@cityofdubuque.org](mailto:ctymgr@cityofdubuque.org)  
[www.cityofdubuque.org](http://www.cityofdubuque.org)

March 19, 2015

City of Dubuque  
50 W 13<sup>th</sup> St  
Dubuque IA 52001

Re: Intent to Participate

This letter is to confirm the mutual intent of both the State of Iowa and the City of Dubuque to collaborate and enter into a partner agreement, contingent upon the award of funds from the United States Department of Housing and Urban Development for the Community Development Block Grant National Disaster Resilience (CDBG-NDR) competition, to carry out eligible activities as provided in the State of Iowa's CDBG-NDR application.

The City's mission is to deliver excellent municipal services that support urban living and a sustainable city plan for the community's future and facilitate access to critical human services which result in financially sound city government and citizens getting services and value for their tax dollar. Dubuque is a full-service municipality responsible for inspection of building construction, civil engineering, economic development, stormwater management, health services and programming, housing and community development, neighborhood outreach and community engagement, zoning, and sustainability and resiliency planning and implementation.

The City of Dubuque operates under a council-manager form of local government, and has the relevant project management, quality assurance, financial and procurement and internal control capacity to quickly and effectively launch and implement a major project. Dubuque has fostered partnerships and collaborated with multiple local, state, and federal organizations and agencies on the 13-phase Bee Branch Watershed Flood Mitigation Project. Through that process, the City has secured local, state, and federal financial assistance for this \$200 million infrastructure project. The City of Dubuque is a member of the 16 city alliance called the Green and Healthy Homes Initiative (GHHI), a nationwide movement to make homes healthier and safer for its occupants.

Dubuque's role will be, in partnership with State agencies and other organizations, to implement the Bee Branch Healthy Homes Resiliency Plan, one portion of the proposed project, and create a replicable model for other communities. The City will

be a subrecipient and work collaboratively with local service providers and contractors to create more resilient homes in our most low-income, at-risk neighborhoods damaged by recurring Presidential Disaster Declarations. An interdisciplinary team of City staff will help achieve the identified outcomes, including staff from the Engineering, Planning, Housing & Community Development, and Health Departments, as well as the Office of Sustainability.

It is understood that this is letter is only an expression of our intent and a binding partner agreement detailing the terms and conditions of the proposed partnership must be executed before the use of any CDBG-NDR funds, if awarded.

Sincerely,

A handwritten signature in cursive script that reads "Roy D. Buol". The signature is written in black ink and is positioned below the word "Sincerely,".

Mayor Roy D. Buol  
City of Dubuque





UnityPoint Health  
Finley Hospital

Visiting Nurse Association – Dubuque

1454 Iowa St  
PO Box 359  
Dubuque, IA 52004-0359  
office: (563) 556-6200  
toll-free (800) 862-6133  
fax: (563) 556-4371  
unitypoint.org

Dubuque Visiting Nurse Association  
1454 Iowa St  
Dubuque Iowa 52001

Re: Intent to Participate

This letter is to confirm the mutual intent of both City of Dubuque and Dubuque Visiting Nurse Association to collaborate and enter into a partner agreement, contingent upon the award of funds from the United States Department of Housing and Urban Development for the Community Development Block Grant National Disaster Resilience (CDBG-NDR) competition, to carry out eligible activities as provided in the City of Dubuque's CDBG-NDR application.

The Dubuque Visiting Nurse Association has a long history of working with the community, identifying needs, and providing healthcare services to meet those needs. The VNA has been serving the Dubuque community since 1910 and has worked with leaders in local government, education, social, and human services to provide direct service when appropriate, assist with care coordination, and to build community infrastructure that will assist in planning for long-range healthcare needs.

The Dubuque Visiting Nurse Association will engage in an agreement with the City of Dubuque to provide home nursing services, health education, and medical case management for identified families in the target area.

It is understood that this letter is only an expression of our intent and a binder partner agreement detailing the terms and conditions of the proposed partnership must be executed before the use of any CDBG-NDR funds, if awarded.

Dubuque Visiting Nurse Association



March 18, 2015

Tim Waddell  
IEDA

Re: Intent to Participate

This letter is to confirm the mutual intent of both the City of Dubuque and Crescent Community Health Center to collaborate and enter into a partner agreement, contingent upon the award of funds from the United States Department of Housing and Urban Development for the Community Development Block Grant National Disaster Resilience (CDBG-NDR) competition, to carry out eligible activities as provided in the City of Dubuque's CDBG-NDR application.

Crescent Community Health Center is a Federally Qualified Health Center (FQHC) that provides primary health and dental care with variety of ancillary health and wellness services. We are located in the Washington Neighborhood, the area of Dubuque where this grant will have a significant impact.

Crescent Community Health Center will be a contractor for services to collect data and provide education and intervention for its patients on how housing improvements can impact their health. Through health education and care coordination, patients will be given assistance to make improvements in their home that will directly impact their acute and chronic health care conditions. Crescent will be able to track these activities and health outcomes on the patients involved.

It is understood that this letter is only an expression of our intent and a binding partner agreement [or other agreement] detailing the terms and conditions of the proposed partnership must be executed before the use of any CDBG-NDR funds, if awarded.

Sincerely,

A handwritten signature in cursive script that reads "Julie Woodyard".

Julie Woodyard  
Executive Director



# Dubuque

COMMUNITY SCHOOLS

03/09/2015

Dubuque Community School District  
Health Services  
2300 Chaney Road  
Dubuque, IA 52001

To: Tim Waddell IEDA

This letter is to confirm the mutual intent of both The City of Dubuque and the Dubuque Community School District (DCSD) to collaborate and enter into a partner agreement, contingent upon the award of funds for the United States Department of Housing and Urban Development for the Community Development Block Grant National Disaster Resilience (CDBG-NDR) competition, to carry out eligible activities as provided in the City of Dubuque CDBG-NDR application.

The Dubuque Community School District Health Services has been implementing the Asthma Friendly Schools Initiative based on the American Lung Association's comprehensive set of strategies for the past three years. The goal of this program is to create a comprehensive management system. The DCSD's health services staff have identified students with asthma and work with each student's family and health care provider to develop a plan for preventative care, identifying potential triggers, and action plan to address asthma episodes in attempt to improve the overall health of the student and reduce absenteeism. Data is collected by the health services to analyze the impact of services on school attendance.

According to the American Lung Association, the Initiative must be grounded in a structured planning process that includes coalition building, community wide input, action planning, and ongoing support. The DCSD health services staff can provide the student's family with the City of Dubuque's program information and, with the family's permission, make a referral to the City's program to assess the home for potential asthma and allergy triggers. The combination of the schools addressing the needs of students, collaborating with community health care providers and the City Housing Department to eliminate or reduce the asthma and allergy triggers in the home can greatly improve the health of our students and can help increase school attendance.

It is understood that this letter is only an expression of our intent and a binding partner agreement detailing the terms and conditions of the proposed partnership must be executed before the use of any CDBG-NDR funds if awarded.

Sincerely,

A handwritten signature in black ink that reads "Rhonda Simpson". The signature is written in a cursive, flowing style.

Rhonda Simpson, MSN ARNP  
Health Services Coordinator





Community Foundation of Greater Dubuque  
700 Locust Street, Suite 195  
Dubuque IA 52001

March 18, 2015

Tim Waddell  
IEDA

Re: Intent to Participate

This letter is to confirm the mutual intent of both the City of Dubuque and Community Foundation of Greater Dubuque to collaborate and enter into a partner agreement, contingent upon the award of funds from the United States Department of Housing and Urban Development for the Community Development Block Grant National Disaster Resilience (CDBG-NDR) competition, to carry out eligible activities as provided in the City of Dubuque's CDBG-NDR application.

Community Foundation of Greater Dubuque has partnered with the City of Dubuque's Green and Healthy Homes Initiative (GHHI) and would like to continue and grow this partnership to provide effective advocacy for the residents of the homes that will be impacted by these resiliency efforts. The Community Foundation can support the advocacy not always available through other partners and the work being done by the City in order to represent the homeowner or residents of the home and the neighborhoods.

It is understood that this is letter is only an expression of our intent and a binding partner agreement [or other agreement] detailing the terms and conditions of the proposed partnership must be executed before the use of any CDBG-NDR funds, if awarded.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Eric Dregne'.

Eric Dregne  
Vice-President of Strategic Initiatives

Attachment B  
Leverage Documentation  
State of Iowa



# **Iowa Flood Mitigation Board**

## **Annual Report for 2014**

**Prepared by the Iowa Department of  
Homeland Security and Emergency Management**

**Mark Schouten, Director**



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# Flood Mitigation Program

The Iowa Flood Mitigation Program is created within Code of Iowa, Chapter 418. The Program seeks to provide funds for flood mitigation projects that otherwise would not be funded. The Flood Mitigation Board is responsible for the implementation Code of Iowa Chapter 418.

The membership of the Board is comprised of four voting public members appointed by the Governor, five voting members representing state agencies, and four non-voting ex-officio members of the legislature. The present membership is:

- Mark Schouten, Chair, Department of Homeland Security and Emergency Management
- Dr. Amy Kaleita, Vice Chair, Public Member
- Jake Friedrichsen, on behalf of Michael Fitzgerald, Treasurer of Iowa
- Lori McDaniel, on behalf of Chuck Gipp, Department of Natural Resources
- Lorraine Glover, Public Member
- Senator Rob Hogg, Iowa Senate
- Ronald Herrig, Public Member
- Carolann Jensen, on behalf of Dave Jamison, Iowa Finance Authority
- Representative Jared Klein, Iowa House of Representatives
- Representative Daniel Lundby, Iowa House of Representatives
- James Gillespie, on behalf of Bill Northey, Secretary of Agriculture

- John Torbert, Public Member
- Senator Dan Zumbach, Iowa Senate

Administrative assistance is provided to the Board by the Iowa Department of Homeland Security and Emergency Management (HSEMD). The Department also provides technical assistance to those governmental entities wishing to complete applications for the Board to consider.

As defined in Chapter 418, an eligible project “means the construction and reconstruction of levees, embankments, impounding reservoirs, or conduits that are necessary for the protection of property from the effects of floodwaters and may include the deepening, widening, alteration, change, diversion, or other improvement of watercourses if necessary for the protection of such property from the effects of floodwaters.”

Eligible applicants to the program are governmental entities. According to Chapter 418 governmental entities means any of the following:

- a county
- a city
- a joint board or other legal or administrative entity established or designated in an agreement pursuant to Chapter 28E between any of the following:
  - o two or more cities located in whole or in part within the same county
  - o a county and one or more cities that are located in whole or in part within the county
  - o a county, one or more cities that are located in whole or in part within the county, and a drain-

# Flood Mitigation Program

age district formed by mutual agreement under section 468.142 located in whole or in part within the county.

Governmental entities wishing to complete and submit an application for funds must include the following:

a. A project plan that includes:

(1) A detailed description of the project, including all phases of construction or reconstruction included in the project, maintenance plans for the completed project, the estimated cost of the project, and the maximum amount of debt to be incurred for purposes of funding the project; and

(2) A detailed description of all anticipated funding sources for the project, including information relating to either the proposed use of financial assistance from the flood mitigation fund or the proposed use of sales tax increment revenues.

b. A copy of the application for federal funds and subsequent approval letter.

c. A detailed budget.

d. A statement about whether the project is designed to mitigate future flooding of existing property and infrastructure that have sustained significant flood damage and are likely to sustain significant flood damage in the future. Detailed information on the existing property and infrastructure shall be included.



**Union Pacific Railroad Bridge in Cedar Rapids during June 2008 flooding. Photo by Federal Emergency Management Agency**

e. A statement about whether the project plan addresses the impact of flooding both upstream and downstream from the area where the project is to be undertaken and whether the project conforms to any applicable floodplain ordinance.

f. A statement about whether the area that would benefit from the project's flood mitigation efforts is sufficiently valuable to the economic viability of the state or is of sufficient historic value to the state to justify the cost of the project.

g. A statement about the extent to which the project would utilize local matching funds. The board shall not approve a project unless at least 50 percent of the total cost of the project, less any federal financial assistance for the project, is funded using local matching funds, and unless the project will result in nonpublic investment in the governmental entity's area, as defined in Iowa Code section 418.11(3), of an amount equal to 50 percent

# Flood Mitigation Program

of the total cost of the project. For purposes of this paragraph, “nonpublic investment” means investment by nonpublic entities consisting of capital investment or infrastructure improvements occurring in anticipation of or as a result of the project during the period of time between July 1, 2008, and ten years after the board approves the project.

h. A statement about the extent of nonfinancial support committed to the project from public and nonpublic sources.

i. A statement about whether the project is designed in coordination with other watershed management measures adopted by the governmental entity or adopted by the participating jurisdictions of the governmental entity, as applicable.

j. A statement about whether the project plan is consistent with the applicable comprehensive, countywide emergency operations plan in effect and other applicable local hazard mitigation plans.

k. A statement about whether financial assistance through the flood mitigation program is essential to meet the necessary expenses or serious needs of the governmental entity related to flood mitigation.

l. Any other documents requested by the Board to assist the Board in the consideration of the application.

m. If the governmental entity intends to issue bonds in accordance with Iowa Code section 418.14, the governmental entity shall provide information from the proposed bonding company as to the viability of the bond issuance.

The Board can receive project applications through January 1, 2016. When the Board receives these applications the Code of Iowa asks them to do the following:

1. The Board may request an independent engineering review of the project to determine the technical feasibility, engineering standards, and total estimated cost of the project. Such review may be completed by the United States Army Corps of Engineers. All costs related to the review shall be the responsibility of the governmental entity.

2. The Board shall not approve any project plan that includes financial assistance pursuant to this chapter that would be used to pay principal and interest on or refinance any debt or other obligation existing prior to the approval of the project.

3. The Board shall not approve a project plan application for which the amount of sales tax increment revenue remitted to the governmental entity would exceed \$15 million in any one fiscal year or if approval of the project would result in total remittances in any one fiscal year for all approved projects to exceed, in the aggregate, \$30 million.

4. The Board may contract with or otherwise consult with the Iowa Flood Center, established in Iowa Code section 466C.1, to assist in administering the flood mitigation program and review of applications.

5. The Board, after consulting with the economic development authority, shall approve, defer, or deny the applications.

6. If the application is denied, the Board shall state the reasons for the denial. The governmental entity may resubmit the application for consideration any time prior to January 1, 2016.

7. If the application is approved, the Board shall specify whether the governmental entity is approved for use of the sales tax revenues under

# Flood Mitigation Program

Iowa Code section 418.12 or whether the governmental entity is approved to receive financial assistance from the flood mitigation fund under Iowa Code section 418.10.

8. If the board approves an application that includes the use of sales tax increment revenues, the Board shall establish the annual maximum amount of such revenues that may be remitted to the governmental entity not to exceed \$15 million or 70 percent of the total yearly amount of increased sales tax revenue in the governmental entity's applicable area and deposited in the governmental entity's account, whichever is less. The board may, however, establish remittance limitations for the project lower than those specified in this section.

9. If the Board approves an application that includes financial assistance from the flood mitigation fund, the Board shall negotiate and execute on behalf of the department all necessary agreements to provide such financial assistance.

10. Upon approval of an application for financial assistance under the program, the Board shall notify the treasurer of state regarding the amount of moneys needed to satisfy the award of financial assistance and the terms of the award.

11. If, following approval of an application, it is determined that the amount of federal financial assistance exceeds the amount of federal financial assistance specified in the application, the Board shall reduce the award of financial assistance from the flood mitigation fund or reduce the amount of sales tax revenue to be received for the project by a corresponding amount.

12. Following the approval of an application which proposes to use sales tax increment reve-

nues, the governmental entity shall adopt a resolution authorizing the use of sales tax increment from the governmental entity's flood project fund. Within ten days of adoption, the governmental entity shall provide a copy of the resolution to the Iowa Department of Revenue.

The two funding sources to support the program are a sales tax increment and a flood mitigation fund.

The sales tax increment consists of the amount of increased sales tax revenue within the governmental entities' boundaries. The Iowa Department of Revenue works with the governmental entity to establish a base year, and in subsequent years, deposits those sales tax revenues that exceed the base year revenues into a separate account maintained by the state treasurer. By law, the Iowa Department of Revenue can only deposit 70 percent of the increment revenue into the account with the remainder going to the state general fund. Funds placed into the account are then made available to the governmental entity to support their flood mitigation project. This funding cannot annually exceed \$15 million for individual governmental entities or \$30 million in aggregate for all governmental entities.

The flood mitigation fund is under the control of the Board and consists of monies appropriated by the General Assembly and any other monies available or obtained by the Board. Monies in the fund can be used to provide financial assistance to governmental entities in the form of grants, loans, and forgivable loans. The Board specifies the terms and conditions of any assistance provided from the fund. Presently, there are no monies in the fund.



# 2014 Flood Mitigation Board Activities

The Flood Mitigation Board convened in Des Moines for two meetings on February 28, 2014, and May 28, 2014.

Technical assistance was provided to potential applicants by the staff of the Iowa Department of Homeland Security and Emergency Management for application development. At the February meeting:

1. The Board unanimously approved the application presented by the City of Cedar Falls seeking sales tax increment funding in the amount of \$6,625,000.
2. During public comment the cities of Winterset, Des Moines, Hartley, Collins and Underwood spoke in support of the general assembly appropriating monies for the Flood Mitigation Program.

During the May meeting:

1. The Board unanimously approved the application presented by the City of Council Bluffs seeking sales tax increment funding in the amount of \$57,000,000.
2. The City of Des Moines and Wastewater Reclamation Authority (WRA) presented an application for sales tax increment funding in the amount of \$95,529,352. Currently, the City of Des Moines and WRA is not an eligible applicant due to the definition of a 'governmental entity' as defined in Iowa Code 418.1 (4). The Board chose to table the application received by the City of Des Moines and WRA until such time that there is a legislative change to the definition that is signed by the Governor.
3. Winterset's Mayor Olsen officially withdrew their application that was tabled by the Board on December 4, 2013, due to monies not appropriated by the General Assembly for the Flood Mitigation Fund.

With the inclusion of the 2014 Board approved projects for the City of Cedar Falls and the City of Council Bluffs, the total cost for all eight approved projects is \$1,005,038,960.

Sales tax increment provides	\$453,888,984
Federal funding contributing	\$278,435,851
Local funding providing	\$272,714,124

It is anticipated that over the design life of these eight projects, \$4,363,859,397 in losses will be avoided. Brief descriptions of the proposed projects, approved funding and expended funding amounts can be found later in this document.

A semi-annual progress report form was developed by HSEMD staff with the first report due from the project applicants by November 15, 2014.

## As of October 31, 2014:

Total sales tax increment funds approved:  
\$453,888,984

Total sales tax increment funds expended:  
\$11,564,557

Remaining funds: \$442,324,427

## Total Funds expended to date:

Federal funding amount	\$160,701,157
Local funding amount	\$82,131,256
Sales tax increment amount	\$11,564,557
Total	\$254,396,970

Semi-annual progress reports are available at [www.homelandsecurity.iowa.gov/about\\_HSEMD/flood\\_mitigation\\_board.html](http://www.homelandsecurity.iowa.gov/about_HSEMD/flood_mitigation_board.html).

# Flood Mitigation Board Project Details

On the following pages are details on the eight projects that have been approved by the Flood Mitigation Board to date:

City of Cedar Rapids	\$263,773,493
City of Dubuque	\$98,494,178
City of Iowa City	\$8,497,249
City of Coralville	\$9,769,000
City of Storm Lake	\$4,083,060
City of Waverly	\$5,647,004
City of Cedar Falls	\$6,625,000
City of Council Bluffs	\$57,000,000

Each approved project detail sets out a brief description of the project, Internet links to actual application documents, a project cost breakout, yearly tax increment usage, anticipated avoided damages over the life of the design and increment funds expended and remaining to date.

We have also included a project detail for the application from the City of Des Moines and Wastewater Reclamation Authority that the Board tabled at the May 28, 2014, meeting. This application was tabled until such time the Governor signs a bill that sets out the amendment to change the definition of a governmental entity (418.4(3)).

More information on the Flood Mitigation Board is located on the Iowa Department of Homeland Security and Emergency Management website at [www.homelandsecurity.iowa.gov](http://www.homelandsecurity.iowa.gov).



# City of Cedar Rapids

The City of Cedar Rapids requested tax increment funding in the amount of \$263,773,493 to provide 46 percent of \$570,430,493 total project cost for flood mitigation on both sides of the Cedar River in Cedar Rapids. The goal of the proposed system when completed is to reduce or eliminate the future flood damages resulting from flood events similar or less than the event that occurred in June of 2008. The proposed mitigation system includes construction of 6.24 miles of levee and floodwalls (permanent and removable), 11 pump stations, 21 roadway and railroad gate closures, improvements to a flood prone bridge (elevation of approaches), and design on a second river crossing. While the City believes that, based on 2.5 percent growth in sales tax, it would reach the maximum amount of sales tax increment allowed under state law in FY19, it is asking for the sales tax increment generated each year up to the allowable \$15 million.

For more information on this project:

[www.homelandsecurity.iowa.gov/documents/misc/FLOOD\\_CedarRapids\\_ExecSummary.pdf](http://www.homelandsecurity.iowa.gov/documents/misc/FLOOD_CedarRapids_ExecSummary.pdf)

[www.homelandsecurity.iowa.gov/documents/misc/FLOOD\\_CedarRapids\\_Application.pdf](http://www.homelandsecurity.iowa.gov/documents/misc/FLOOD_CedarRapids_Application.pdf)

Project Cost Breakout	
Applicant	Cedar Rapids
Increment funds approved	\$ 263,773,493
Federal Funding	\$ 175,882,000
Local Funding	\$ 130,775,000
<b>Total Project</b>	<b>\$ 570,430,493</b>
Non-public investment	\$ -
Avoided Damages over design life (HSEMD provided number)	\$ 1,025,800,000
Increment funds expended to date	\$ 9,020,263
Increment funds remaining	<b>\$ 254,753,230</b>
Federal funds expended to date	\$ 75,341,778
Local funds expended to date	\$ 13,787,033

Yearly Tax Increment	
2014	\$ 2,499,988
2015	\$ 5,062,477
2016	\$ 7,689,027
2017	\$ 10,381,241
2018	\$ 13,140,760
2019	\$ 15,000,000
2020	\$ 15,000,000
2021	\$ 15,000,000
2022	\$ 15,000,000
2023	\$ 15,000,000
2024	\$ 15,000,000
2025	\$ 15,000,000
2026	\$ 15,000,000
2027	\$ 15,000,000
2028	\$ 15,000,000
2029	\$ 15,000,000
2030	\$ 15,000,000
2031	\$ 15,000,000
2032	\$ 15,000,000
2033	\$ 15,000,000
2034	\$ -
2035	\$ -

# City of Dubuque

The Bee Branch Watershed Flood Mitigation Project is a multi-phased approach to address the severe and frequent flash flooding experienced in the Bee Branch Watershed in the City of Dubuque. As outlined in the Drainage Basin Master Plan, the engineering report by HDR Engineering (Omaha, Neb.), the improvements associated with the Bee Branch Watershed Flood Mitigation Project will mitigate the flooding experienced over the past twelve years in four ways: reduce the volume of floodwaters; reduce the flow of floodwaters; increase floodwater conveyance capacity through watershed; and providing barriers between critical facilities and floodwaters. This multi-faceted, holistic approach includes the following phases: 1. Carter Road Detention Basin; 2. West 32nd Street Detention Basin; 3. Historic Millwork District; 4. Lower Bee Branch Creek Restoration; 5. Flood Mitigation Gate Replacement; 6. Impervious Surface Reduction; 7. Upper Bee Branch Creek Restoration; 8. 22nd Street Storm Sewer Improvements; 9. Flood Mitigation Maintenance Facility; 10. North End Storm Sewer Improvements; 11. Water Plant Flood Protection; and 12. 17th Street Storm Sewer Improvements.

For more information on this project:

[www.homelandsecurity.iowa.gov/documents/misc/FLOOD\\_Dubuque\\_ExecSummary.pdf](http://www.homelandsecurity.iowa.gov/documents/misc/FLOOD_Dubuque_ExecSummary.pdf)

[www.homelandsecurity.iowa.gov/documents/misc/FLOOD\\_Dubuque\\_Application.pdf](http://www.homelandsecurity.iowa.gov/documents/misc/FLOOD_Dubuque_Application.pdf)

Project Cost Breakout		
Applicant		Dubuque
Increment funds approved	\$	<b>98,494,178</b>
Federal Funding	\$	25,756,556
Local Funding	\$	76,678,802
Total Project	\$	<b>200,929,536</b>
Non-public investment	\$	-
Avoided Damages over design life (HSEMD provided number)	\$	582,000,000
Increment funds expended to date	\$	2,249,857
Increment funds remaining	\$	<b>96,244,321</b>
Federal funds expended to date	\$	11,264,101
Local funds expended to date	\$	39,092,755

Yearly Tax Increment		
2014	\$	332,469
2015	\$	1,407,664
2016	\$	2,132,255
2017	\$	2,871,049
2018	\$	3,624,322
2019	\$	4,392,361
2020	\$	5,175,452
2021	\$	5,973,893
2022	\$	6,787,982
2023	\$	6,944,414
2024	\$	6,968,288
2025	\$	6,946,514
2026	\$	6,957,577
2027	\$	6,947,487
2028	\$	6,947,500
2029	\$	6,500,000
2030	\$	6,000,000
2031	\$	5,500,000
2032	\$	3,260,000
2033	\$	2,824,951
2034	\$	-
2035	\$	-

# City of Iowa City

The Iowa City project includes two steps involving the relocation of the wastewater treatment operations. The first step of the flood mitigation project was the relocation of wastewater operations from the north plant to a newer plant located south of Iowa City and out of the flood plain. This involved designing the larger south facility, upgrading the south plant, and then expanding the south plant.

The second step of the project is to demolish the flood prone north wastewater treatment facility. This would involve demolishing the entire site. The final step would be to create new flood capacity at the site. This would involve creating a five acre wetland in the southern portion of the north plant area and stream bank restoration along Ralston Creek where it meets the Iowa River.

For more information on this project:

[www.homelandsecurity.iowa.gov/documents/misc/FLOOD\\_IowaCity\\_ExecSummary.pdf](http://www.homelandsecurity.iowa.gov/documents/misc/FLOOD_IowaCity_ExecSummary.pdf)

[www.homelandsecurity.iowa.gov/documents/misc/FLOOD\\_IowaCity\\_Application.pdf](http://www.homelandsecurity.iowa.gov/documents/misc/FLOOD_IowaCity_Application.pdf)

Project Cost Breakout		
Applicant		Iowa City
Increment funds approved	\$	<b>8,497,249</b>
Federal Funding	\$	35,011,800
Local Funding	\$	19,933,200
Total Project	\$	<b>63,442,249</b>
Non-public investment	\$	-
Avoided Damages over design life (HSEMD provided number)	\$	130,000,000
Increment funds expended to date	\$	158,187
Increment funds remaining	\$	<b>8,339,062</b>
Federal funds expended to date	\$	35,011,800
Local funds expended to date	\$	16,489,156

Yearly Tax Increment		
2014	\$	172,676.35
2015	\$	642,053.76
2016	\$	802,613.40
2017	\$	1,074,890.20
2018	\$	1,321,915.69
2019	\$	1,551,832.50
2020	\$	1,805,515.70
2021	\$	1,125,751.40
2022	\$	-
2023	\$	-
2024	\$	-
2025	\$	-
2026	\$	-
2027	\$	-
2028	\$	-
2029	\$	-
2030	\$	-
2031	\$	-
2032	\$	-
2033	\$	-
2034	\$	-
2035	\$	-

# City of Coralville

This project consists of multiple small projects in two phases comprising a comprehensive approach to mitigating damages from both Clear Creek and Biscuit Creek, back-up flooding from the Iowa River, and overland flooding issues caused by rainfall during high water events. The City has already committed over \$13,750,000 of local, state, and federal funds to undertake work in the first phase of the project (already completed). This work includes construction of two new storm water pumping stations, storm water collection improvements to direct storm water to the pumping stations, and construction of over 2,400 linear feet of flood walls and berms along the flood plain of the creeks, including a 710-foot section that is integrated into a private apartment complex parking structure. This does not include the accompanying work completed or in process by the City of Iowa City or the University of Iowa, with which the City of Coralville partnered to create a comprehensive flood mitigation plan for the area around the Iowa River affected by the floods of 2008.

The uncompleted work (Phase II) involves two components: 1. Construction of a flood wall; and 2. Elevating the 5th Street Bridge to prevent flooding of 5th Street and the area immediately adjacent to and downstream of Biscuit Creek.

For more information on this project:

[www.homelandsecurity.iowa.gov/documents/misc/FLOOD\\_Coralville\\_ExecSummary.pdf](http://www.homelandsecurity.iowa.gov/documents/misc/FLOOD_Coralville_ExecSummary.pdf)

[www.homelandsecurity.iowa.gov/documents/misc/FLOOD\\_Coralville\\_Application.pdf](http://www.homelandsecurity.iowa.gov/documents/misc/FLOOD_Coralville_Application.pdf)

Project Cost Breakout	
Applicant	Coralville
Increment funds approved	\$ 9,769,000
Federal Funding	\$ 8,546,161
Local Funding	\$ 5,204,498
<b>Total Project</b>	<b>\$ 23,519,659</b>
Non-public investment	\$ -
Avoided Damages over design life (HSEMD provided number)	\$ 57,000,000
Increment funds expended to date	\$ 68,424
Increment funds remaining	\$ 9,700,576
Federal funds expended to date	\$ 8,546,161
Local funds expended to date	\$ 5,204,498

Yearly Tax Increment	
2014	\$ 620,772
2015	\$ 2,757,894
2016	\$ 3,919,311
2017	\$ 2,471,023
2018	\$ -
2019	\$ -
2020	\$ -
2021	\$ -
2022	\$ -
2023	\$ -
2024	\$ -
2025	\$ -
2026	\$ -
2027	\$ -
2028	\$ -
2029	\$ -
2030	\$ -
2031	\$ -
2032	\$ -
2033	\$ -
2034	\$ -
2035	\$ -



# City of Storm Lake

The City of Storm Lake requested assistance from the Flood Mitigation Fund Program for help in funding a project consisting of four separate phases as follows: 1. East Central Storm Water Project; 2. North Central Storm Water Project; 3. East 10th Street Project (street reconstruction due to North Central Project); and 4. Expansion Blvd. Storm Water Project.

These four phases will address the worst flooding areas within the City of Storm Lake providing relief to both residential and commercial/industrial properties within the corporate limits of the City of Storm Lake. The project is generally located on the East side of Storm Lake.

All phases of the project total an investment of \$8,166,120.84 in storm water management and cleaning in Storm Lake and will have a positive impact on over 2,300 people and over 3,000 properties.

For more information on this project:

[www.homelandsecurity.iowa.gov/documents/misc/FLOOD\\_StormLake\\_ExecSummary.pdf](http://www.homelandsecurity.iowa.gov/documents/misc/FLOOD_StormLake_ExecSummary.pdf)

[www.homelandsecurity.iowa.gov/documents/misc/FLOOD\\_StormLake\\_Application.pdf](http://www.homelandsecurity.iowa.gov/documents/misc/FLOOD_StormLake_Application.pdf)

Project Cost Breakout		
Applicant		Storm Lake
Increment funds approved	\$	<b>4,083,060</b>
Federal Funding	\$	1,403,436
Local Funding	\$	2,679,624
Total Project	\$	<b>8,166,120</b>
Non-public investment	\$	-
Avoided Damages over design life (HSEMD provided number)	\$	17,849,370
Increment funds expended to date	\$	22,579
Increment funds remaining	\$	<b>4,060,481</b>
Federal funds expended to date	\$	680,179
Local funds expended to date	\$	1,400,288

Yearly Tax Increment		
2014	\$	-
2015	\$	500
2016	\$	54,324
2017	\$	54,324
2018	\$	54,324
2019	\$	54,324
2020	\$	238,210
2021	\$	239,411
2022	\$	242,433
2023	\$	245,360
2024	\$	248,192
2025	\$	250,929
2026	\$	253,571
2027	\$	257,118
2028	\$	259,553
2029	\$	262,894
2030	\$	266,124
2031	\$	270,243
2032	\$	273,236
2033	\$	277,117
2034	\$	280,873
2035	\$	-

# City of Waverly

The Waverly flood mitigation improvements consist of mitigating flood hazards from the Cedar River and Dry Run Creek which have overlapping flood plains. After the 2008 Cedar River flood the Waverly Dam was reconstructed with an inflatable dam that was completed in November of 2011, effectively eliminating the threat of flooding from the Cedar River for 450 homes and businesses (Phase 1). However, most of these homes and businesses are still at risk of flooding from the Dry Run Creek and the City of Waverly is proposing to complete flood mitigation improvements that will permanently remove these properties from the FEMA 100-year floodplain.

The Dry Run Creek improvements are divided into three sections to better facilitate construction scheduling. Upon entering into an agreement for state funding assistance the City of Waverly will immediately begin flood mitigation work starting with the section “A” of the Dry Run Creek from 4th Street SW (IA116) to W. Bremer Avenue (IA3) with construction occurring in 2015. The section “B” of the Dry Run Creek from W. Bremer Avenue (IA3) to 7th Street NW is projected to be constructed in 2015-16. Construction of section “C” of the Dry Run Creek from 1st Street SW to 4th Street SW (IA116) is projected to also be built in 2015-16.

For more information on this project:

[www.homelandsecurity.iowa.gov/documents/misc/FLOOD\\_Waverly\\_ExecSummary.pdf](http://www.homelandsecurity.iowa.gov/documents/misc/FLOOD_Waverly_ExecSummary.pdf)

[www.homelandsecurity.iowa.gov/documents/misc/FLOOD\\_Waverly\\_Application.pdf](http://www.homelandsecurity.iowa.gov/documents/misc/FLOOD_Waverly_Application.pdf)

Project Cost Breakout		
Applicant		Waverly
Increment funds approved	\$	<b>5,647,004</b>
Federal Funding	\$	4,223,898
Local Funding	\$	1,429,996
Total Project	\$	<b>11,300,898</b>
Non-public investment	\$	-
Avoided Damages over design life (HSEMD provided number)	\$	56,000,000
Increment funds expended to date	\$	0
Increment funds remaining	\$	<b>5,647,004</b>
Federal funds expended to date	\$	4,247,759
Local funds expended to date	\$	1,260,106

Yearly Tax Increment		
2014	\$	152,384
2015	\$	236,446
2016	\$	313,965
2017	\$	398,087
2018	\$	488,081
2019	\$	575,332
2020	\$	579,990
2021	\$	582,873
2022	\$	580,092
2023	\$	580,300
2024	\$	579,079
2025	\$	580,375
2026	\$	-
2027	\$	-
2028	\$	-
2029	\$	-
2030	\$	-
2031	\$	-
2032	\$	-
2033	\$	-
2034	\$	-
2035	\$	-

# City of Cedar Falls

After the historic flooding that occurred in June of 2008, the City of Cedar Falls decided that increasing the protection level of the downtown flood levee and floodwall system was one of the highest priorities for the City. The 2008 flood event exceeded the design event for the existing levee system, and even with the assistance of emergency flood fighting procedures the levee was overtopped, flooding the Cedar Falls Utilities. The intent of this project is to increase the level of protection for the city to the 0.2 percent annual probability (500-year) level of protection. Increasing the flood protection levels for the city will require additional levee and/or floodwall extensions, modifications to existing storm sewer gate wells, modifications to closure structures (pedestrian and street openings), and modifications to areas with sandbag closure plans. A technical memorandum has been submitted to the US Army Corps of Engineers (COE) which summarizes the existing conditions, recommends improvements to the system, and requests COE approval to initiate final planning and design for improvement to the downtown Cedar Falls flood protection system.

For more information on this project:

[www.homelandsecurity.iowa.gov/documents/misc/FLOOD\\_CedarFalls\\_ExecSummary.pdf](http://www.homelandsecurity.iowa.gov/documents/misc/FLOOD_CedarFalls_ExecSummary.pdf)

[www.homelandsecurity.iowa.gov/documents/misc/FLOOD\\_CedarFalls\\_Application.pdf](http://www.homelandsecurity.iowa.gov/documents/misc/FLOOD_CedarFalls_Application.pdf)

Project Cost Breakout		
Applicant		Cedar Falls
Increment funds approved	\$	<b>6,625,000</b>
Federal Funding	\$	4,812,000
Local Funding	\$	1,813,000
Total Project	\$	<b>13,250,000</b>
Non-public investment	\$	-
Avoided Damages over design life (HSEMD provided number)	\$	187,694,302
Increment funds expended to date	\$	45,247
Increment funds remaining	\$	<b>6,579,753</b>
Federal funds expended to date	\$	4,812,000
Local funds expended to date	\$	1,738,000

Yearly Tax Increment		
2014	\$	580,134
2015	\$	1,177,673
2016	\$	1,793,137
2017	\$	2,427,065
2018	\$	646,991
2019	\$	-
2020	\$	-
2021	\$	-
2022	\$	-
2023	\$	-
2024	\$	-
2025	\$	-
2026	\$	-
2027	\$	-
2028	\$	-
2029	\$	-
2030	\$	-
2031	\$	-
2032	\$	-
2033	\$	-
2034	\$	-
2035	\$	-

# City of Council Bluffs

The Council Bluffs flood mitigation project will consist of 22 unique improvements to the levee system to eliminate known deficiencies in order to meet current levee design and accreditation standards. The improvements will increase the redundancy, resiliency, and robustness of the levee system thereby reducing the potential for catastrophic failure.

In addition to these levee improvements, the Indian Creek channel upstream of the leveed section is deteriorating and requires rehabilitation and replacement. The 76-year-old channel drains just over 15 square miles upstream of the city and is designed to safely convey floodwaters through critical portions of the city. The Indian Creek channel improvements include removal and replacement of open, concrete-lined channel, rehabilitation or replacement of existing bridge crossings, replacement of damaged sections of lateral pipes that outlet into the creek, and relocation or protection of critical, at-risk utilities, as funding permits.

For more information on this project:

[www.homelandsecurity.iowa.gov/documents/misc/FLOOD\\_CouncilBluffs\\_ExecSummary.pdf](http://www.homelandsecurity.iowa.gov/documents/misc/FLOOD_CouncilBluffs_ExecSummary.pdf)

[www.homelandsecurity.iowa.gov/documents/misc/FLOOD\\_CouncilBluffs\\_Application.pdf](http://www.homelandsecurity.iowa.gov/documents/misc/FLOOD_CouncilBluffs_Application.pdf)

Project Cost Breakout		
Applicant		Council Bluffs
Increment funds approved	\$	<b>57,000,000</b>
Federal Funding	\$	22,800,000
Local Funding	\$	34,200,000
Total Project	\$	<b>114,000,000</b>
Non-public investment	\$	-
Avoided Damages over design life (HSEMD provided number)	\$	2,307,515,725
Increment funds expended to date	\$	0
Increment funds remaining	\$	<b>57,000,000</b>
Federal funds expended to date	\$	20,797,379
Local funds expended to date	\$	3,159,420

Yearly Tax Increment		
2014	\$	-
2015	\$	1,000,000
2016	\$	1,695,000
2017	\$	2,278,000
2018	\$	2,871,000
2019	\$	3,400,000
2020	\$	2,200,000
2021	\$	2,000,000
2022	\$	2,350,000
2023	\$	2,200,000
2024	\$	2,200,000
2025	\$	2,200,000
2026	\$	2,700,000
2027	\$	2,700,000
2028	\$	2,750,000
2029	\$	3,200,000
2030	\$	3,700,000
2031	\$	3,700,000
2032	\$	5,350,000
2033	\$	5,350,000
2034	\$	3,156,000
2035	\$	-



# City of Des Moines & Wastewater Reclamation Authority

The City of Des Moines and Des Moines Metropolitan Wastewater Reclamation Authority (WRA) are working together in flood prevention efforts. The Wastewater Reclamation Facility (WRF) is located within the city limits of Des Moines and bounded on the south by the Des Moines River. Therefore, flooding in Des Moines, especially along the Des Moines River, has a direct impact on the WRA's ability to provide uninterrupted wastewater treatment service to its customers. In addition, interrupted service would impact the citizens, businesses, and economy of the City of Des Moines most, as the city is the largest customer base of the WRA.

The proposed flood protection plan consists of four phases of comprehensive flood protection improvements for the City of Des Moines and WRA. This balanced flood mitigation approach includes modifications to levees, reducing water elevation by removing restrictions, providing additional flood water storage and conveyance, and partially treating and removing water from the combined sewer system. Phase 1 includes projects that have been completed, and have been funded by various sources. Phase 2 includes projects that are currently underway. Phases 3 and 4 include projects that have been identified by technical or professional studies that benefit the City of Des Moines and the WRA by increasing flood prevention and protection.

For more information on this project:

[www.homelandsecurity.iowa.gov/documents/misc/FLOOD\\_DesMoines\\_ExecSummary.pdf](http://www.homelandsecurity.iowa.gov/documents/misc/FLOOD_DesMoines_ExecSummary.pdf)

[www.homelandsecurity.iowa.gov/documents/misc/FLOOD\\_DesMoines\\_Application.pdf](http://www.homelandsecurity.iowa.gov/documents/misc/FLOOD_DesMoines_Application.pdf)

Project Cost Breakout		
Applicant		DSM-WRA
Increment funds <b>REQUESTED</b>	\$	<b>95,529,352</b>
Federal Funding	\$	118,460,434
Local Funding	\$	62,320,596
<b>Total Project</b>	<b>\$</b>	<b>276,310,382</b>
Non-public investment	\$	-
Avoided Damages over design life (HSEMD provided number)	\$	1,527,655,795
Increment funds expended to date	\$	
Increment funds remaining	\$	
Federal funds expended to date	\$	
Local funds expended to date	\$	

Yearly Tax Increment		
2014	\$	-
2015	\$	1,000,000
2016	\$	2,000,000
2017	\$	3,500,000
2018	\$	4,529,352
2019	\$	5,000,000
2020	\$	5,000,000
2021	\$	5,000,000
2022	\$	5,000,000
2023	\$	5,000,000
2024	\$	5,000,000
2025	\$	5,000,000
2026	\$	5,000,000
2027	\$	5,000,000
2028	\$	5,000,000
2029	\$	5,000,000
2030	\$	5,000,000
2031	\$	5,500,000
2032	\$	6,000,000
2033	\$	6,500,000
2034	\$	6,500,000
2035	\$	-

Attachment C

Application Certifications

**Attachment C**  
**CDBG-NDR Application Certifications**

The State certifies that:

- a. It will affirmatively further fair housing, which means that it will conduct an analysis to identify impediments to fair housing choice within its jurisdiction and take appropriate actions to overcome the effects of any impediments identified through that analysis, and maintain records reflecting the analysis and actions in this regard (see 24 CFR 570.487(b)(2) and 570.601(a)(2)). In addition, the grantee certifies that agreements with subrecipients will meet all civil rights related requirements pursuant to 24 CFR 570.503(b)(5).
- b. It has in effect and is following a residential anti- displacement and relocation assistance plan in connection with any activity assisted with funding under the CDBG program.
- c. It is in compliance with restrictions on lobbying required by 24 CFR part 87, together with disclosure forms, if required by part 87.
- d. The Community Development Block Grant National Disaster Resilience application is authorized under State and local law (as applicable) and that the State, and any contractor, subrecipient, or designated public agency carrying out an activity with CDBG–NDR funds, possess(es) the legal authority to carry out the program for which it is seeking funding, in accordance with applicable HUD regulations and this NOFA.
- e. Once determined, the activities to be administered with funds under this NOFA will be consistent with its Phase 2 Application.
- f. It will comply with the acquisition and relocation requirements of the URA, as amended, and implementing regulations at 49 CFR part 24, except where waivers or alternative requirements are provided for in this NOFA.
- g. It will comply with section 3 of the Housing and Urban Development Act of 1968 (12 U.S.C. 1701u), and implementing regulations at 24 CFR part 135.
- h. It is following a detailed citizen participation plan that satisfies the requirements of 24 CFR 91.105 or 91.115, as applicable (except as provided for in notices providing waivers and alternative requirements for this grant). Also, each UGLG receiving assistance from the State will follow a detailed citizen participation plan that satisfies the requirements of 24 CFR 570.486 (except as provided for in notices providing waivers and alternative requirements for this grant).
- i. Each State receiving a direct award under this Notice certifies that it has consulted with affected UGLGs in counties designated in covered major disaster declarations in the non-entitlement, entitlement, and tribal areas of the State in determining the uses of funds, including method of distribution of funding, or activities carried out directly by the State.
- j. It is complying with each of the following criteria:

(1) Funds will be used solely for necessary expenses related to disaster relief, long-term recovery, restoration of infrastructure and housing, and economic revitalization in the most impacted and distressed areas for which the President declared a major disaster in the aftermath of an event occurring in 2011, 2012, or 2013, pursuant to the Stafford Act.

(2) With respect to activities expected to be assisted with CDBG–NDR funds, the

Application has been developed so as to give the maximum feasible priority to activities that will benefit low- and moderate-income families.

(3) The aggregate use of CDBG–NDR funds shall principally benefit low- and moderate-income families in a manner that ensures that at least 50 percent of the grant amount is expended for activities that benefit such persons, unless waived by HUD based on a finding of compelling need.

(4) It will not attempt to recover any capital costs of public improvements assisted with CDBG–NDR grant funds, by assessing any amount against properties owned and occupied by persons of low- and moderate-income, including any fee charged or assessment made as a condition of obtaining access to such public improvements, unless: (a) disaster recovery grant funds are used to pay the proportion of such fee or assessment that relates to the capital costs of such public improvements that are financed from revenue sources other than under this title; or (b) for purposes of assessing any amount against properties owned and occupied by persons of moderate income, the grantee certifies to the Secretary that it lacks sufficient CDBG funds (in any form) to comply with the requirements of clause (a).

k. It (and any subrecipient or recipient)) will conduct and carry out the grant in conformity with title VI of the Civil Rights Act of 1964 (42 U.S.C. 2000d) and the Fair Housing Act (42 U.S.C. 3601–3619) and implementing regulations.

l. It has adopted and is enforcing the following policies and will require any UGLG that receives grant funds to certify that it has adopted and is enforcing:

(1) A policy prohibiting the use of excessive force by law enforcement agencies within its jurisdiction against any individuals engaged in nonviolent civil rights demonstrations; and

(2) A policy of enforcing applicable State and local laws against physically barring entrance to or exit from a facility or location that is the subject of such nonviolent civil rights demonstrations within its jurisdiction.

m. It (and any subrecipient or recipient) has the capacity to carry out the activities proposed in its Application in a timely manner; or will develop a plan to increase capacity where such capacity is lacking.

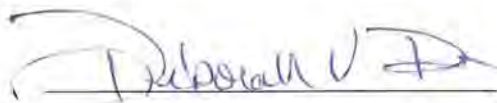
n. It will not use grant funds for any activity in an area delineated as a special flood hazard area or equivalent in FEMA's most recent and current data source unless it also ensures that the action is designed or modified to minimize harm to or within the floodplain in accordance with Executive Order 11988 and 24 CFR part 55. The relevant data source for this provision is the latest issued FEMA data or guidance, which includes advisory data (such as Advisory Base Flood Elevations) or preliminary and final Flood Insurance Rate Maps.



o. Its activities concerning lead-based paint will comply with the requirements of 24 CFR part 35, subparts A, B, J, K, and R.

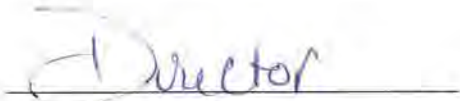
p. It will comply with applicable laws.

q. It has reviewed the requirements of this NOFA and requirements of Public Law 113-2 applicable to funds allocated by this Notice, and that it has in place proficient financial controls and procurement processes and has established adequate procedures to prevent any duplication of benefits as defined by section 312 of the Stafford Act, to ensure timely expenditure of funds, to maintain comprehensive Web sites regarding all disaster recovery activities assisted with these funds, and to detect and prevent waste, fraud, and abuse of funds.

 3-9-15

Signature/Authorized Official

Date



Title

**Certification of Consistency  
with the Consolidated Plan**U.S. Department of Housing  
and Urban Development

I certify that the proposed activities/projects in the application are consistent with the jurisdiction's current, approved Consolidated Plan.  
(Type or clearly print the following information:)

Applicant Name: State of IowaProject Name: Iowa Watershed Alliance (IoWA) for Urban and Rural ResilienceLocation of the Project: Iowa Economic Development Authority  
200 East Grand Avenue  
Des Moines, Iowa 50309Name of the Federal  
Program to which the  
applicant is applying: National Resilient Disaster Recovery CompetitionName of  
Certifying Jurisdiction: State of IowaCertifying Official  
of the Jurisdiction  
Name: Timothy R. WaddellTitle: Division AdministratorSignature: Date: 3-17-15

Attachment D  
Consultation Summary  
State of Iowa

**Citizen Participation and Consultation Summary Chart**

**Figure 1**

1	2	3	4
<b>Agency or Stakeholder Group (if applicable)</b>	<b>Agency Type - Target Population (If applicable)</b>	<b>Type of Outreach</b>	<b>- Method of Notification (if applicable) - Materials Provided</b>
<i>Iowa Natural Heritage Foundation</i>	<i>Private Non-Profit - Landowners</i>	<i>Meeting</i>	<i>Summary of the grant eligible activities and description of potential leveraging for the organization</i>
<i>Iowa State Association of Counties</i>	<i>Public - County Governments</i>	<i>Meeting</i>	<i>Summary of the grant eligible activities and description of potential leveraging for the organization</i>
<i>Iowa Floodplain and Stormwater Management Association</i>	<i>Public</i>	<i>Meeting</i>	<i>Summary of the grant eligible activities and description of potential leveraging for the organization</i>
<i>Iowa Soybean Association</i>	<i>Private - Landowners</i>	<i>Meeting</i>	<i>Summary of the grant eligible activities and description of potential leveraging for the organization</i>
<i>Iowa Corn Growers Association</i>	<i>Private - Landowners</i>	<i>Teleconference</i>	<i>Summary of the grant eligible activities and description of potential leveraging for the organization</i>
<i>Iowa Environmental Council</i>	<i>Private Non-Profit</i>	<i>Meeting</i>	<i>Summary of the grant eligible activities and description of potential leveraging for the organization</i>



<i>Iowa Agricultural Water Alliance</i>	<i>Private - Landowners</i>	<i>Meeting</i>	<i>Summary of the grant eligible activities and description of potential leveraging for the organization</i>
<i>Iowa Water Center at Iowa State University</i>	<i>Education</i>	<i>Meeting</i>	<i>Education, outreach, and scientific and research based program support</i>
<i>Iowa Department of Natural Resources</i>	<i>Public</i>	<i>Meeting</i>	<i>Summary of the grant eligible activities, program coordination, and description of potential leveraging for the organization</i>
<i>Iowa League of Cities</i>	<i>Public - Municipal Governments</i>	<i>Teleconference</i>	<i>Summary of the grant eligible activities and description of potential leveraging for the organization</i>
<i>United States Department of Agriculture - Natural Resources Conservation Service</i>	<i>Public</i>	<i>Meeting</i>	<i>Scientific and research based program support, description of potential leveraging for the organization</i>
<i>Iowa Department of Agriculture and Land Stewardship</i>	<i>Public</i>	<i>Meeting</i>	<i>Scientific and research based program support, description of potential leveraging for the organization</i>
<i>Iowa Flood Center, University of Iowa</i>	<i>Education</i>	<i>Meeting</i>	<i>Education, outreach, and scientific and research based program support, description of potential leveraging for the organization</i>

<i>Iowa Finance Authority</i>	<i>Public - Housing</i>	<i>Meeting</i>	<i>Summary of the grant eligible activities and description of potential leveraging for the organization</i>
<i>IIHR - Hydroscience and Engineering, University of Iowa</i>	<i>Education</i>	<i>Meeting</i>	<i>Education, outreach, and scientific and research based program support</i>
<i>United States Army Corps of Engineers</i>	<i>Public</i>	<i>Meeting</i>	<i>Scientific and research based program support, description of potential leveraging for the organization</i>
<i>National Weather Service</i>	<i>Public</i>	<i>E-Mail</i>	<i>Scientific and research based program support</i>
<i>Iowa Department of Transportation</i>	<i>Public</i>	<i>Teleconference</i>	<i>Summary of the grant eligible activities and description of potential leveraging for the organization</i>
<i>The Nature Conservancy</i>	<i>Private Non-Profit - Landowners</i>	<i>Teleconference</i>	<i>Education, outreach, program coordination, description of potential leveraging for the organization</i>
<i>Soil and Water Conservation Society</i>	<i>Private Non-Profit</i>	<i>E-Mail</i>	<i>Education, outreach, program coordination, description of potential leveraging for the organization</i>
<i>Iowa Association of Water Agencies</i>	<i>Public</i>	<i>Meeting</i>	<i>Summary of the grant eligible activities and description of potential leveraging for the organization</i>

<i>Environmental Protection Agency</i>	<i>Public</i>	<i>Meeting</i>	<i>Education, outreach, program coordination, description of potential leveraging for the organization</i>
<i>Iowa League of Resource Conservation Districts</i>	<i>Private Non-Profit</i>	<i>Teleconference</i>	<i>Education, outreach, program coordination, description of potential leveraging for the organization</i>
<i>City of Council Bluffs</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Honey Creek Ditch #6</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Harrison County Drainage Districts</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Logan</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Carter Lake</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Missouri Valley</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Harrison County REC</i>	<i>Private Non-Profit, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>

<i>Council Bluffs Community School District</i>	<i>Education, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Pottawattamie County Conservation Board</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Vanman Levee District</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Fensler Drainage District</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Flood Fight Coalition</i>	<i>Private Non-Profit, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>West Harrison Schools</i>	<i>Education, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Mercy Hospital</i>	<i>Healthcare, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Pottawattamie County Secondary Roads</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Crescent</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Harrison County Conservation Board</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>



<i>City of Modale</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Harrison County Secondary Roads</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Mondamin</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Harrison County Auditor</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Visiting Nurse Association/Pottawattamie County Public Health</i>	<i>Healthcare, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>United Western Cooperative</i>	<i>Utility, Private Non-Profit, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Sloan</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Sergeant Bluff</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Western Iowa Power Cooperative</i>	<i>Utility, Private Non-Profit, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Moville</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>

<i>Monona County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Iowa Department of Transportation</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Woodbury County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Onawa</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Winnebago Tribe of Nebraska</i>	<i>Tribal Government, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Whiting</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Blencoe</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Woodbury Central School District</i>	<i>Education, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Siouxland Humane Society</i>	<i>Community Group, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>United States Department of Transportation, Federal Highway Administration</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>

<i>City of Sioux City</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Omaha Tribe of Nebraska and Iowa</i>	<i>Tribal Government, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Glenwood Municipal Utilities</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Northwest Rural Electric Cooperative</i>	<i>Utility, Private Non-Profit, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Atchison-Holt Electric Cooperative</i>	<i>Utility, Private Non-Profit, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Hamburg</i>	<i>Utility, Private Non-Profit, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Mills County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Mills County Public Health</i>	<i>Healthcare, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Freemont County Auditor</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Freemont County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>

<i>Benton Washington Levee District</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>New Saint Marys Drainage District</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Tabor</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Freemont County Secondary Roads</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Sidney</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Corn Belt Power Cooperative</i>	<i>Utility, Private Non-Profit, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Grattinger Municipal Light Plant</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Laurens Municipal Light and Power</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Alta Municipal Utilities</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Spencer Municipal Utilities</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>



<i>Milford Municipal Utilities</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Atlantic Municipal Utilities</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>North West Iowa Power Cooperative</i>	<i>Utility, Private Non-Profit, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Webster City Light and Power</i>	<i>Utility, Private Non-Profit, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Lincoln Electric System</i>	<i>Utility, Private Non-Profit, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Municipal Energy Agency of Nebraska</i>	<i>Utility, Private Non-Profit, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Pella</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Central Iowa Power Cooperative</i>	<i>Utility, Private Non-Profit, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Waverly Light and Power</i>	<i>Utility, Private Non-Profit, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Cedar Falls Utilities</i>	<i>Utility, Private Non-Profit, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>

<i>Montezuma Light and Power</i>	<i>Utility, Private Non-Profit, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Story County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Marshall County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Huxley</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Consumer's Energy</i>	<i>Utility, Private Non-Profit, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of State Center</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Collins</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Marshalltown</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Melbourne</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Ballard Community School District</i>	<i>Education, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>

<i>Iowa Department of Cultural Affairs</i>	<i>Public</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Albion</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Marshall County Conservation Board</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Maxwell</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Slater</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Haverhill</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Green Mountain - Garwin Community School District</i>	<i>Education, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Lake Park</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Okoboji</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of West Bend</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>

<i>Iowa Lakes Electric Cooperative</i>	<i>Utility, Private Non-Profit, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Dickinson County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Clay County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Benton County Historical Society</i>	<i>Private Non-Profit, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Benton County Conservation Board</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>T.I.P. Rural Electric Cooperative</i>	<i>Utility, Private Non-Profit, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Iowa Braille and Sight School</i>	<i>Education, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Traer</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Vinton</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>North Tama Community School District</i>	<i>Education, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>

<i>City of Toledo</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Dysart</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Montour</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Tama County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Garwin</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Chelsea</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Grundy County REC</i>	<i>Utility, Private Non-Profit, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>United States Department of Agriculture - Farm Services Agency</i>	<i>Public</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Miskwaki Health Clinic</i>	<i>Healthcare, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Benton County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>



<i>Linn County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>East Central Iowa Rural Electric Cooperative</i>	<i>Utility, Private Non-Profit, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Dubuque County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Jackson County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Saint Donatus</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Sunnycrest Manor</i>	<i>Healthcare, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Peosta</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Jackson County Conservation</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Farley</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Dubuque</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>

<i>City of Worthington</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Sageville</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Western Dubuque Community School District</i>	<i>Education, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Dubuque County Conservation</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Maquoketa Valley Rural Electric Cooperative</i>	<i>Utility, Private Non-Profit, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Epworth</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Ashbury</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Dyersville</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Lyon-Sioux Rural Water Association</i>	<i>Utility, Private Non-Profit, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Ashton</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>

<i>City of Ocheyedan</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Osceola County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Larchwood</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Osceola County Electric Cooperativ</i>	<i>Utility, Private Non-Profit, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Ciyt of Orange City</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Doon</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of George</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>L&amp;O Power Cooperative</i>	<i>Utility, Private Non-Profit, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>O'Brien County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Rock Rapids Municipal Utilities</i>	<i>Utility, Private Non-Profit, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>

<i>City of Rock Valley</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Sioux County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Sibley</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Melvin</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Ashton</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Harris</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Lyon County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Inwood</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Lyon County Rural Electric Cooperative</i>	<i>Utility, Private Non-Profit, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Osceola County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>

<i>City of Ireton</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Sanborn</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Sioux Center</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Little Rock</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Lester</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Primghar</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Archer</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Hull</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Boyden</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Alvord</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>



<i>City of Sheldon</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Osceola County Conservation</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Osceola County Rural Water</i>	<i>Utility, Private Non-Profit, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Jefferson County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Libertyville</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Iowa County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Tipton</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of DeWitt</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Williamsburg</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Clarence</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>

<i>Jones County Conservation</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Bennett</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Johnson County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Iowa City</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Mechanicsville</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Clinton County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of University Heights</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Coralville</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Cedar County Conservation</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Cedar County Auditor</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>

<i>City of Tiffin</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Lowden</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Muscatine</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of North Liberty</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Solon</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Marengo</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of West Liberty</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Louisa County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Wayne County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Lucas County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>

<i>Monroe County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Appanoose County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of New Virginia</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Excline</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Kellerton</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Ringgold County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Marion County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Mt. Ayr</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Lucas County Conservation</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Chariton</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>

<i>Warren County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Marion County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Moravia</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Decatur County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Rathbun</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Appanoose County Conservation</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Davis County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Keota</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Harper</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Wappello Rural Water Association</i>	<i>Utility, Private Non-Profit, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>



<i>Keokuk County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Wappello County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Van Buren County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Des Moines County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Eldon</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Burlington Municipal Waterworks</i>	<i>Utility, Private Non-Profit, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Keokuk</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Green Bay Levee and Drainage District</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Lee County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Burlington</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>

<i>City of Fort Madison</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Ottumwa</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Soap Creek Watershed</i>	<i>Public</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Worth County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Kensett</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Howard County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Elvira</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>South Slope Telecommunications Cooperative</i>	<i>Utility, Private Non-Profit, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Jones County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Cedar Rapids</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>

<i>City of Olin</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Walker</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Marion</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Ladora</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Amana Colonies Historical Sites</i>	<i>Private Non-Profit, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Butler County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Grundy County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Parkersburg</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Nora Springs</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Chickasaw County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>

<i>City of Grundy Center</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Charles City</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Wellsburg</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of New Hartford</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Beaman</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Floyd County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Franklin County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Iowa DNR - Dolliver State Park</i>	<i>Public</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Wright County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Palo Alto County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>

<i>City of Dayton</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Fort Dodge</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Webster County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Hampton</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Winnebago County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Forest City</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Franklin County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Belmond</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Franklin County Conservation</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Greene County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>

<i>Ida County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>American Legion - Ida County Chapter</i>	<i>Private Non-Profit, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Ida Grove</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Delaware County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Buchanan County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>St. Lucas Hospital</i>	<i>Healthcare, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Fayette County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Lamont</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Iowa DNR - Backbone State Park</i>	<i>Public</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Quasqueton</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>



<i>City of Ryan</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Independence</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Johnny and Becky Persinger</i>	<i>General Public - Homeowners</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Delaware County Conservation</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Ames</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Colfax</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Jasper County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Oakland Acres</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Poweshiek County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Reinbeck</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>

<i>City of Clemons</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Dike</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Jasper County Conservation</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Grinnell</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Hubbard</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Hardin County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Brooklin</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Tama County Conservation</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Marshall County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Kellogg</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>

<i>City of Colo</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Newton</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Baxter</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Zearing</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Conrad</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Union</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Henry County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Louisa County Levee #11</i>	<i>Public</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Louisa County Levee #12</i>	<i>Public</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Louisa County Conservation</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>

<i>Henry County Conservation</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Muscatine Louisa Drainage District #13</i>	<i>Public</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Mount Pleasant Utilities</i>	<i>Utility, Private Non-Profit, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Two Rivers Levee and Drainage District</i>	<i>Public</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Mahaska County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Ottumwa Water Works</i>	<i>Utility, Private Non-Profit, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Royal</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Storm Lake</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Buena Vista County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Sioux County Conservation</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>

<i>City of Marcus</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Hospers</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Cherokee Rural Water Association</i>	<i>Utility, Private Non-Profit, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Linn Grove</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Cherokee</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Alton</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Hartley</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Cherokee County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Stanwood</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Anamosa</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>

<i>City of Oxford Junction</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Jones County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Audubon County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Waukon</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Garber</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Clayton County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Allamakee-Clayton Electric Cooperative</i>	<i>Utility, Private Non-Profit, Disaster Affected</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Upper Explorerland Regional Planning Commission</i>	<i>Public - Housing</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Waterville</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of McGregor</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>



<i>City of Garnavillo</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Lansing</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Allamakee County</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>Allamakee county Conservation</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of New Albin</i>	<i>Disaster Affected UGLG</i>	<i>Meeting</i>	<i>Notification - Disaster Recovery Resources Available to the Community</i>
<i>City of Dubuque (Planning, Housing &amp; Community Development, Engineering, Health, Sustainability, Economic Development Departments)</i>	<i>Local government – housing services, public health services, economic development, historic preservation, and community development oversight</i>	<i>Meetings, conference calls</i>	<i>-Discussions to develop project approach strategy and grant application -Summary of unmet needs and planning documents shared</i>
<i>Community Foundation of Greater Dubuque</i>	<i>Philanthropic organization</i>	<i>Meetings, emails</i>	<i>-Invitation to collaborate in development of program via phone calls. -Summary of funding opportunity</i>
<i>Crescent Community Health Center</i>	<i>Federally-qualified community health center</i>	<i>Meetings, email</i>	<i>-Invitation to collaborate in development of program sent to director and board president</i>
<i>Visiting Nurses Association</i>	<i>Public health organization</i>	<i>Meeting, email</i>	<i>-Invitation to collaborate in development of program sent to director and board president</i>

<p><i>Catfish Creek Watershed Management Authority</i></p>	<p><i>Watershed Council</i></p>	<p><i>Meeting</i></p>	<p><i>-Shared summary of needs and alternative approaches</i></p>
<p><i>East Central Intergovernmental Association</i></p>	<p><i>Metropolitan Planning Organization/Regional Council of Government</i></p>		<p><i>-Posted opportunity: press release, City website, City email listserv.</i>  <i>-Posted information about project through meeting announcement on City of Dubuque website, meeting announcement in newspaper, email and text alerts sent to Bee Branch Watershed Flood Mitigation Project subscribers, direct mail postcard to 4419 addresses, utility bill insert to 22,500 addresses, posts on social media, three radio interviews</i>  <i>- Presentation of Upper Bee Branch Creek Restoration design and discussion about its impact on residents</i>  <i>- Hand deliver informational packets about project to 50+ businesses, non-profit organizations and childcare providers that will be indirectly impacted by construction of the Upper Bee Branch Creek.</i></p>
	<p><i>N/A - Residents of disaster-affected area</i></p>	<p><i>Public Meetings</i></p>	
	<p><i>N/A – Businesses in disaster-affected area</i></p>	<p><i>Informational Packets</i></p>	
	<p><i>N/A – Neighborhood associations in disaster affected area</i></p>	<p><i>Committee presentations</i></p>	<p><i>- Invited three neighborhood association members to join a Bee Branch Watershed citizen representative committee</i>  <i>- Guided discussion about design plans and ways to ease impact on citizens</i></p>

Lucinda Robertson  
Public Information Officer  
Iowa Department of Homeland Security and Emergency Management  
515.725.3231  
[www.homelandsecurity.iowa.gov](http://www.homelandsecurity.iowa.gov)  
[www.beready.iowa.gov](http://www.beready.iowa.gov)

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**From:** [Robertson, Lucinda \[HSEMD\]](#)  
**To:** [HSEMD Staff; HSEMD Emer Mgmt Coordinators](#)  
**Subject:** FW: Advisory: Public comment sought on HUD disaster resiliency funding opportunity  
**Date:** Friday, March 06, 2015 2:59:15 PM

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**From:** Press Releases from Iowa Homeland Security & Emergency Management  
[mailto:[HSEMDPIO@iowa.gov](mailto:HSEMDPIO@iowa.gov)]  
**Sent:** Friday, March 06, 2015 2:52 PM  
**To:** Robertson; Robertson, Lucinda [HSEMD]  
**Subject:** Advisory: Public comment sought on HUD disaster resiliency funding opportunity



FOR IMMEDIATE RELEASE: March 6, 2015  
CONTACT: [HSEMDPIO@iowa.gov](mailto:HSEMDPIO@iowa.gov) or (515) 725-3231

## Media Advisory

### Public comment sought on HUD disaster resiliency funding opportunity

**What:** A public meeting will be held to receive comments on the State of Iowa's application for the National Disaster Resilience Competition. The competition is sponsored by the Rockefeller Foundation and the U.S. Department of Housing and Urban Development (HUD), and will award nearly \$1 billion to help communities become more resilient in the face of disaster.

**Who:** The Iowa Department of Homeland Security and Emergency Management (HSEMD).

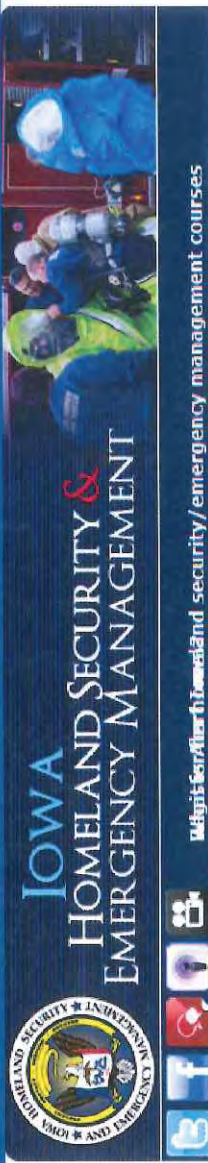
**When:** March 16, 2015, 1 p.m.

**Where:** HSEMD office, 7900 Hickman Road, Ste. 500, Windsor Heights, Iowa

Please note: The public will also be able to provide comments via the HSEMD website at [www.homelandsecurity.iowa.gov](http://www.homelandsecurity.iowa.gov) beginning March 6 through March 21 at 4:30 p.m. Written comments may also be made to HSEMD Recovery Division, 7900 Hickman Road, Ste 500, Windsor Heights, Iowa, 50324.

###





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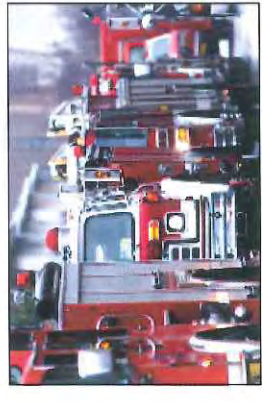
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**Mark Schouten**  
Director



### FEMA offers Assistance to Firefighters Grants forum

The FEMA Region VII grants team will host a forum on **Wednesday, March 18, 2015**, for potential applicants. The forum will be an opportunity to discuss challenges and ask questions about the AFG program in order to help applicants be better prepared for, and manage their applications and awards.



The forum will be held via Adobe Connect webinar.

For information on the forums, and other resources that can assist those interested in applying for the AFG program, **click here to contact Region VII AFG program specialists Linda Davis and Rex Jennings.**

**The State of Iowa's Phase 1 application to the U.S. Department of Housing and Urban Development (HUD) for the National Disaster Resilience Competition is now posted and available for public comment.**

**Click here to learn more.**





Read our [blog about tornado safe room funding, requirements, and planning.](#)

**The State of Iowa's Phase 1 application to the U.S. Department of Housing and Urban Development (HUD) for the National Disaster Resilience Competition is now posted and available for public comment.**

Iowa Homeland Security and Emergency Management, in cooperation with several other partners, will be submitting an application for HUD funding. The application's components are available for public comment prior to its submission.

[Click here](#) to view the fact sheet about the competition.

**Application documents**

- [Exhibit A: Executive Summary](#)
- [Exhibit B: Threshold Requirements](#)
- [Exhibit C: Capacity](#)
- [Exhibit D: Need](#)
- [Exhibit E: Soundness of Approach](#)
- [Exhibit F: Leverage](#)
- [Exhibit G: Long-term Commitment](#)

There was a public hearing at 1 p.m. on Monday, March 16, 2015, at the Iowa Homeland Security and Emergency Management office in Windsor Heights, Iowa, for the public to offer any comments they may have about the application.

Written comments may still be made to the HSEMD Recovery Division, 7900 Hickman Road, Ste. 500, Windsor Heights, Iowa, 50324. Comments may also be submitted [via email](#). Comments will be accepted from March 6 through March 21 at 4:30 p.m. Responses to all comments will be posted online on **March 23, 2015.**





**Public Meeting Agenda**  
**State of Iowa's HUD National Disaster Resilience Competition Application**

1-2 p.m., March 16, 2015

Iowa Department of Homeland Security and Emergency Management

7900 Hickman Rd, Ste. 500

Windsor Heights, Iowa 50324

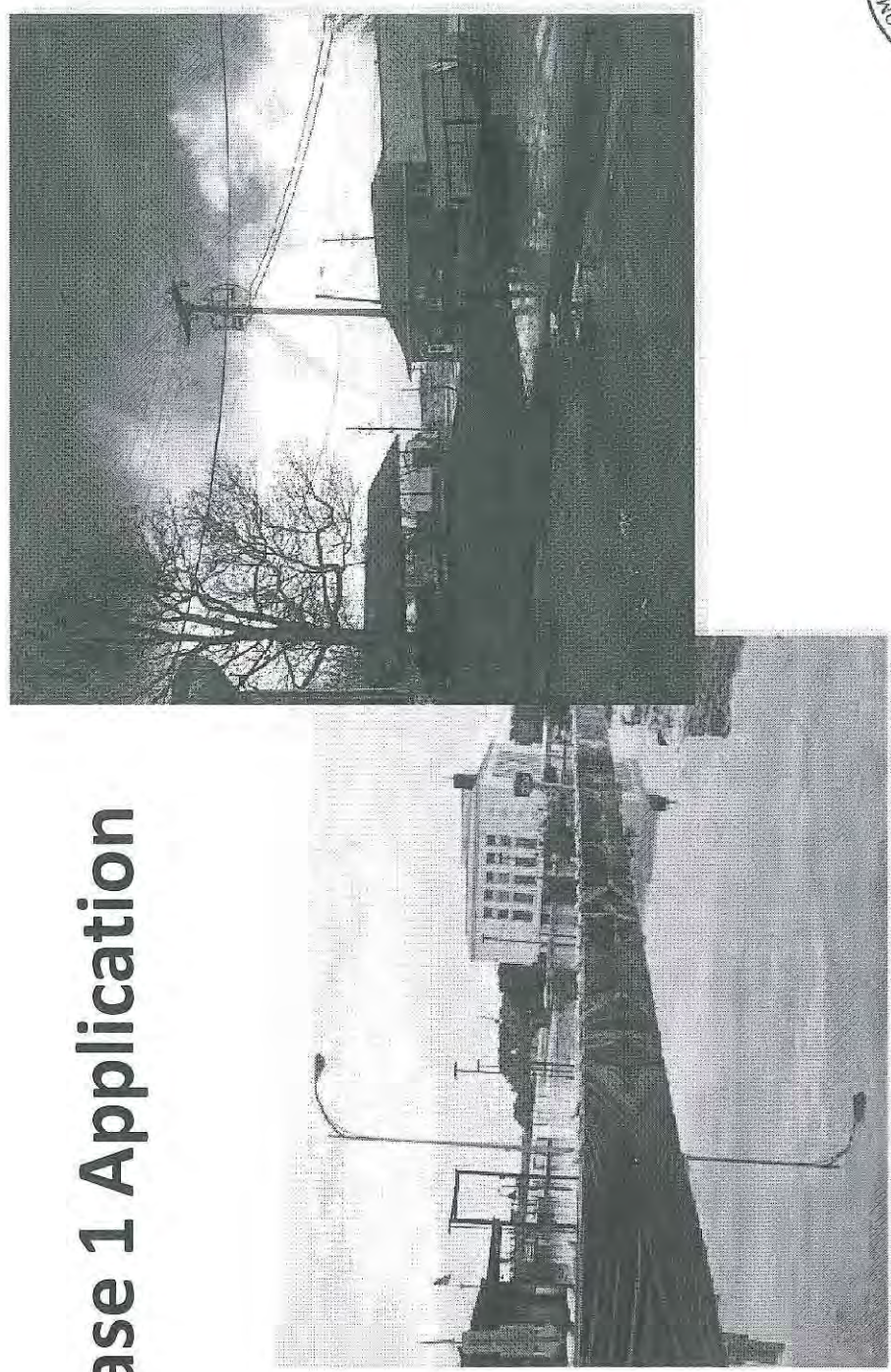
- |      |   |                                  |
|------|---|----------------------------------|
| I.   | Introduction and Opening Comments               | <i>Jessica Turba / 5 Minutes</i> |
| II.  | Overview of HUD Disaster Resiliency Competition | <i>Jessica Turba / 5 Minutes</i> |
| III. | Opportunity for Public Comment                  | <i>TBD</i>                       |
| IV.  | Closing Remarks                                 | <i>Jessica Turba / 5 Minutes</i> |

- Intro: myself - make keeping
- Application overview
- Opportunity for Public Comment
- Closing Remarks

Iowa's Approach to the

# National Disaster Resilience Competition

## Phase 1 Application




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Iowa Department of Homeland Security and Emergency Management



## Competition Goals

- Fairly and effectively allocate \$1 billion in remaining CDBG-DR funds.
- Create multiple examples of modern disaster recovery that apply science-based and forward-looking risk analysis to address recovery, resilience, and revitalization needs.
- Leave a legacy of institutionalizing—in as many states and local jurisdictions as possible—the implementation of thoughtful, sound, and resilient approaches to addressing future risks.



## Competition Goals Cont.

- Provide resources to help communities plan and implement disaster recovery that makes them more resilient to future extreme weather events or other shocks, while also improving quality of life for existing residents.
- Fully engage community stakeholders to inform them about the impacts of climate change and develop pathways to resilience based on sound science.
- Leverage investments from the philanthropic community to help communities define problems, set policy goals, explore options, and craft solutions to inform their own local and regional resilient recovery strategies.





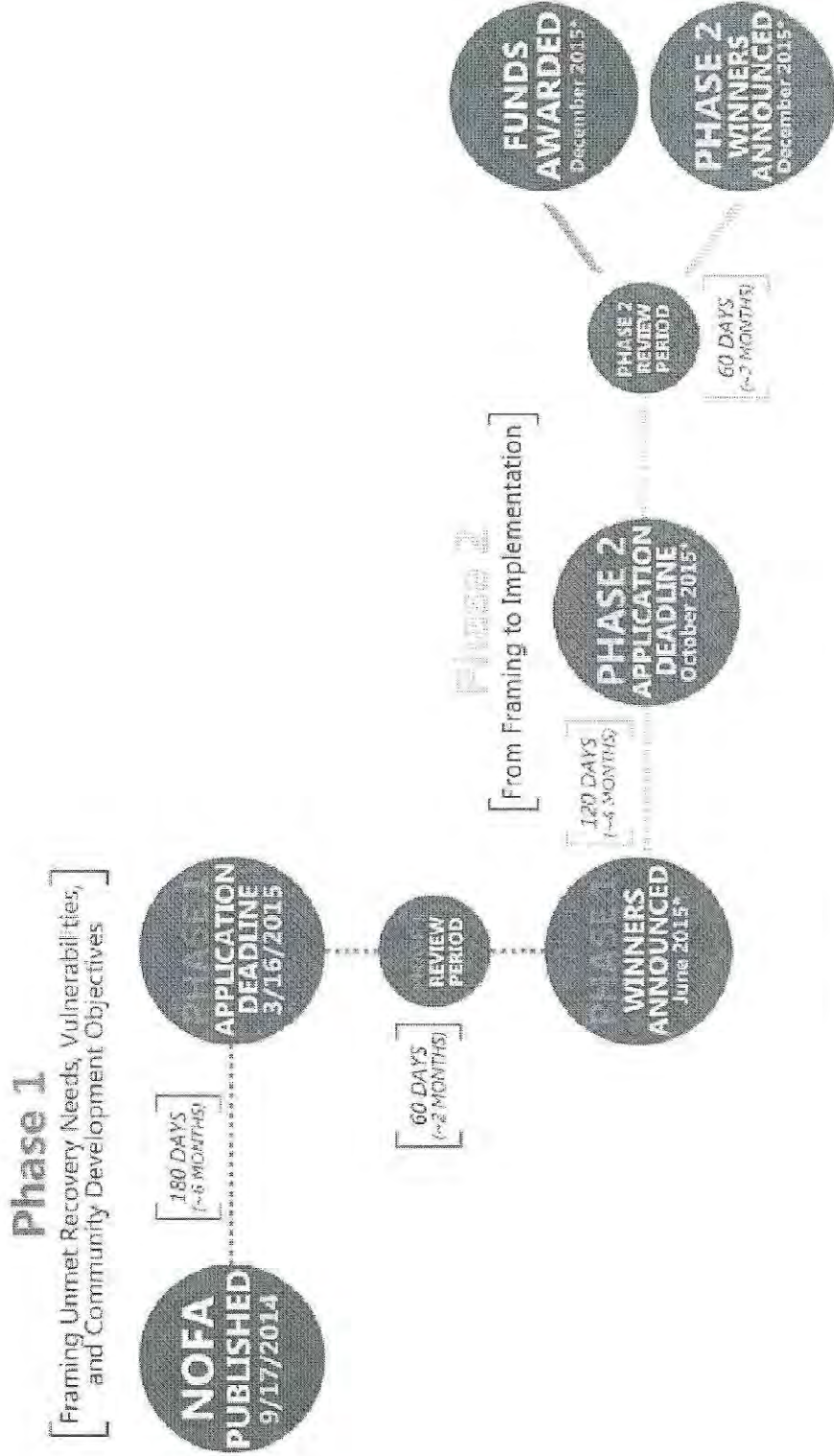
# Phase 1: Risk Assessment and Planning

During Phase 1, Applicants will:

- Broadly engage with the community and consult with experts to identify the most impacted communities, unmet recovery needs, and revitalization objectives.
- Discover the most significant vulnerabilities and future risks facing the affected communities using the best available science and data.
- Identify opportunities for regional collaboration or multi-state approaches.



# National Disaster Resilience Competition



\*Note: These dates are tentative and subject to change at HUD's discretion





# Public Comment Period

The State of Iowa's Phase 1 application to the U.S. Department of Housing and Urban Development (HUD) for the National Disaster Resilience Competition is now posted and available for public comment.

Iowa Homeland Security and Emergency Management, in cooperation with several other partners, will be submitting an application for HUD funding. The application's components are available for public comment prior to its submission.

[Click here](#) to view the fact sheet about the competition.

#### Application documents

- [Exhibit A: Executive Summary](#)
- [Exhibit B: Threshold Requirements](#)
- [Exhibit C: Capacity](#)
- [Exhibit D: Need](#)
- [Exhibit E: Soundness of Approach](#)
- [Exhibit F: Leverage](#)
- [Exhibit G: Long-term Commitment](#)

There will be a public hearing at 1 p.m. on Monday, March 16, 2015, at the Iowa Homeland Security and Emergency Management office located at 7900 Hickman Road, Suite 500, in Windsor Heights, Iowa. Members of the public are welcome to attend and offer any comments they may have about the application. This will be an opportunity for making comments only and not a question-and-answer forum.

Written comments may be made to the HSIEMD Recovery Division, 7900 Hickman Road, Ste. 500, Windsor Heights, Iowa, 50324. Comments may also be submitted via email. Comments will be accepted from March 6 through March 21 at 4:30 p.m. Responses to all comments will be posted online on March 23, 2015.

[View the public hearing agenda \(PDF\)](#)

- Comments are accepted via email, phone, and mail until March 21.

- All comments will be posted along with responses March 23.

- If we are invited to participate in Phase 2, additional opportunities will be communicated for additional public comment.



# Opportunity for Public Comment

First Opportunity will be given to those who designated they have a comment via the sign-in sheet

Please Identify yourself and any organization represented before you begin.

All comments will be recorded and responses posted here:  
<http://www.homelandsecurity.iowa.gov/>



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Iowa Department of Homeland Security and Emergency Management



## **State of Iowa Public Hearing NDRC Application Phase 1 Meeting Minutes**

*March 16, 2015*

*Present:* Jessica Turba, Cori Burbach, Tom Oswald, Linda Kinman

*Location/Time:* HSEMD Office, Suite 500, 7900 Hickman Rd, Windsor Heights, IA  
1:00 PM

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### **I. Announcements**

Jessica Turba began the meeting at 1:05 P.M. with a review of the posted agenda including opportunity for public comment. Introductions began and the sign-in sheet was collected.

### **II. Discussion**

Ms. Turba presented the State of Iowa's Phase 1 Application for the National Disaster Resilience Competition. Public Comments will be accepted until March 21<sup>st</sup>; however additional opportunities will exist if the Iowa is invited to Phase 2 of the competition.

### **III. Opportunity for Public Comment**

No public comments were received at this time.

### **IV. Closing Remarks**

Ms. Turba thanked the attendees for their attendance and invited them to submit comments via email or through regular mail. The meeting was officially closed at 1:23 PM.



Comment Summary

State of Iowa

NDRC Application Phase 1

Posted 3/23/2015



The State of Iowa's Phase 1 Application for the National Disaster Resiliency Competition was released for Public Comment on March 6, 2015. The Public comment period for the document ran from March 6<sup>th</sup> through March 21<sup>st</sup>. The posting of the application was hosted on Iowa Homeland Security & Emergency Management's website and a media advisory was distributed for publication. In addition to the above, a public hearing was hosted by Iowa Homeland Security & Emergency Management on March 16<sup>th</sup>, 2015 at 1:00 PM. at their office in Des Moines, Iowa.

Comments on the application were accepted on the Department's website at:

[http://www.homelandsecurity.iowa.gov/disasters/hazard\\_mitigation.html#hudapplication](http://www.homelandsecurity.iowa.gov/disasters/hazard_mitigation.html#hudapplication), at the public hearing held on March 16<sup>th</sup>, via email at [HSEMDPIO@iowa.gov](mailto:HSEMDPIO@iowa.gov) and via phone at (515) 725-3231. Additional written comments were also accepted by the Iowa Homeland Security & Emergency Management Department at 7900 Hickman Road, Ste 500, Windsor Heights, Iowa, 50324.

The following comments were received by Iowa Homeland Security & Emergency Management (HSEMD) concerning the Phase 1 Application. A brief summary of each comment as well as the Department's response is included. For more information on the public comments received on the Phase 1 Application or for copies of the original comments, contact Iowa Homeland Security & Emergency Management Department, Recovery Division at (515)725-3231.

**Comment #1:** You should include the following items in your application narrative.

- The Iowa DNR is an agency associated with Watershed Management Authorities and should be included in the executive summary narrative.
- Exhibit C could include language that the DNR is the agency with floodplain regulatory authority, which would strengthen the narrative of the partnership section. The DNR could assist with permitting and prioritization of projects in this capacity. The DNR works closely with the Iowa Flood Center to develop

and improve regulatory floodplain maps for the state. The DNR is the main funding entity of the Watershed Management Authority, but they are not housed within the organization. The Water Resource Coordinating Council (WRCC) developed a plan in response to the 2008 flooding events that contains a list of specific recommendations that could be useful in this approach. The DNR is highly visible and willing to assist with community outreach public engagement in the floodplain management section who already works with communities in the NFIP.

- Exhibit E: For vulnerable populations, can you find data that would indicate that the rural areas are identified as LMI? You are speaking of soil quality in this narrative, it may be more readable if further explanation is given regarding how soil quality will absorb more water and reduce runoff, thus prevent future flooding.
- You speak to Dubuque's need very well, but leave other communities out. Are you unable to get information from them?
- Is there an advantage to indicating that as partners we meet regularly as Silver Jackets? That would be a strong indication that we already partner on a regular basis, so this is nothing new to Iowa.
- Would it be beneficial or detrimental to indicate that areas of the Cedar Basin have applied for and received RCPP? Would playing up the partnership exhibited there be a good thing?

**Staff Response:**

- The State of Iowa is asking all potential partners in the application to provide narrative support the application components.
- The Watershed Management Authorities' narrative will be corrected to accurately reflect the organizational structure.

- LMI data is available and was utilized for the threshold exercise in Exhibit B. The soil's ability to retain water will be clarified in the need and soundness of approach section.
- The State of Iowa is narrating an approach with two watershed-based strategies. Dubuque will be the model for the Urban Watershed with the potential for 24 other counties to consider a rural watershed flood risk-reduction solution. The State will work to develop strategies and partnerships in these eligible areas of work.
- Our partnerships in this application are built on established relationships from such groups as the Silver Jackets, the State Hazard Mitigation Team, etc. We will make sure this is addressed in the application draft.
- The recent RCPP award is an excellent example of long-term commitment and leveraging of resources. If we are able to scope project activities in this area, we will coordinate closely with all groups currently involved.

**Comment #2:**

I gave your proposal a quick review. Because it appears that the Bee Creek watershed is within in the city limits, I am out of my agricultural comfort zone. I do think you have the right partners involved. I am impressed with the modeling work that the Iowa Flood Center does and Director Weber and his team are familiar with the expertise at Iowa State University that they can call upon. Similarly, Director Cruse at the Iowa Water Center is on faculty at ISU and knows the resources. Weber chairs the Iowa Water Center board and works well with Cruse. IDALS and NRCS resources are also experienced and accessible.

The other resource at Iowa State that may be of value to the team is Extension and Outreach. While more at home in a rural watershed, some individuals within ISUEO are very experienced in working with people living

in watersheds and how their decisions impact the goals of the watershed. These folks typically work with farmers and small communities and the challenge is typically sediment and nutrients rather than flooding. We also have staff that work with youth (4-H) that are an effective way to educate and engage families and staff that work with families regarding financial management and health. Cruse of the Iowa Water Center is familiar with these people and will be able to bring them to the table if the ISUEO skills are needed.

I appreciate the opportunity to review the proposal. If there is a rural portion of this project that I missed or a rural portion of future projects please contact me. Iowa State University Extension and Outreach would be a good partner to such a project.

**Staff Response:**

Thank you for the feedback and direction with Iowa State. We will continue to network with the college to make sure all interested parties are engaged.

**From:** [Chris Juett](#)  
**To:** [Oswald, Tom \[HSEMD\]](#)  
**Cc:** [Turba, Jessica \[HSEMD\]](#)  
**Subject:** RE: HUD grant  
**Date:** Friday, March 13, 2015 9:30:57 AM

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Tom,

Thank you for clarifying. I will absolutely have an answer to you and if the answer is yes the letter of intent by Tuesday.

Chris

---

**From:** Oswald, Tom [HSEMD] [<mailto:thomas.oswald@iowa.gov>]  
**Sent:** Friday, March 13, 2015 8:20 AM  
**To:** Chris Juett  
**Cc:** Oswald, Tom [HSEMD]; Turba, Jessica [HSEMD]  
**Subject:** RE: HUD grant

Chris,

We are not yet at that stage but I believe that issue will be discussed if we are invited to Phase 2 during the formal agreement (contract) stage where objectives, goals, activities and accomplishments are agreed upon.

There is a time crunch and if we could receive a letter of intent by next Tuesday that would be appreciated. Again, the letter does not indicate an obligation on your part, just that you intend to participate.

Jessica, if you can add to this answer, please do so.

Tom

---

**From:** Chris Juett [<mailto:Chris.Juett@uweci.org>]  
**Sent:** Friday, March 13, 2015 8:04 AM  
**To:** Oswald, Tom [HSEMD]  
**Cc:** Turba, Jessica [HSEMD]  
**Subject:** RE: HUD grant

Tom,

This is exciting news. Let me share this with those who are above me in my organization and I will get back to you in the near term.

Just one question because I am anticipating that I will be asked, how much funding are you considering for 2-1-1?

Chris



---

**From:** Oswald, Tom [HSEMD] [<mailto:thomas.oswald@iowa.gov>]  
**Sent:** Thursday, March 12, 2015 4:06 PM  
**To:** Chris Juett  
**Cc:** Turba, Jessica [HSEMD]; Oswald, Tom [HSEMD]  
**Subject:** RE: HUD grant

Chris,

I have a special request that if you agree to it, I believe we can formally incorporate UWECI 2-1-1 into the resilience grant.

If you would write a letter of intent, similar to the one attached, indicating you would provide outreach to special needs populations within this grant. If you agree to the letter we would develop a programmatic agreement with you on how it would be implemented. The letter I am requesting doesn't obligate your organization, but if funded the agreement would be worked out to mutual benefit. If we are chosen to move forward to Phase 2, we will include the other 2-1-1 organizations to cover the state.

Please note in particular the first and last paragraph are needed in your letter but the middle is specific to your organization. I think the letter should take little time since you and I have had a long conversation and you provided a great deal of good information already that can be summarized in the letter.

Thanks.  
Tom

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**From:** Chris Juett [<mailto:Chris.Juett@uweci.org>]  
**Sent:** Wednesday, March 11, 2015 9:31 PM  
**To:** Oswald, Tom [HSEMD]  
**Cc:** Turba, Jessica [HSEMD]; DeRouchey, Blake [HSEMD]; Harper, Dennis [HSEMD]; Chris Juett  
**Subject:** RE: HUD grant

Tom,

I truly enjoyed our telephone conversation this morning.

During our conversation you requested information about the special needs registry work that our 2-1-1 does. We started the special needs registry work when we entered into the agreements with Linn and Benton County EMA because of the relationship with DAEC Nuclear Power Plant in 2005. Individuals can contact Linn County EMA, register at Linn County EMA's website, send in a self-addressed postcard that is printed by DAEC and available at community events and in the telephone books or they can call United Way 2-1-1 to register. 2-1-1 Staff go through the registry questionnaire with the individuals who have called in. We keep the information until the end of the month or prior to a predicted disaster and then send to the appropriate EMA. Once we receive verification from EMA that they have received the information we destroy our copy. I want to clarify why I said that we send it to the appropriate EMA. While Linn and Benton County are the only two EMAs that ask 2-1-1 to take registrations we occasionally get calls from individuals who live

in other counties and want to register. We take their information and give it to the appropriate EMA Coordinator. Attached you will find the Special Needs Registry Card along with the documents from the Special Needs Registry Section of the 2-1-1 DAEC Emergency Notebook. I have requested that our 2-1-1 Supervisor run a report showing our work in this area. As soon as I receive it I will forward it onto you.

Historically, the Linn Area Partners Active in Disaster (LAP-AID) Older Adults Special Needs Subcommittee has done a purge of the Special Needs Registry Database by contacting every individual on the registry. Linn County EMA then updates the list based on the calls made. Because the database holds confidential information we do the call out at Linn County EOC.

During our conversation we also talked about United Way 2-1-1 Cedar Rapids' emergency response over the course of the years looked at in the grant: 2011, 2012 and 2013. I reviewed United Way 2-1-1 data and found the following:

- United Way 2-1-1 took 190 emergency related calls in FY 2012 because of a windstorm in Benton and Tama counties.
- United Way 2-1-1 took 102 emergency related calls in FY 2013 due to flooding in Black Hawk, Buchanan, Johnson and Linn Counties.
- In FY 2013 we implemented for the second time (first in FY 2010) a program which allowed individuals from Black Hawk County to contact 2-1-1 to report their damage. Because it was a flash flooding event and most of the damage was to basements a drive by assessment was not an adequate means to assess damage. I have attached the spreadsheet template used by 2-1-1. Black Hawk County EMA issued the press release about the program once we were ready to take calls. The collection of this information allowed Black Hawk County to quickly apply for disaster assistance.

I hope this information helps you with the completion of writing phase 1 of the grant. United Way 2-1-1 looks forward to being a part of this project.

Chris

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**From:** Chris Juett  
**Sent:** Tuesday, March 10, 2015 9:05 PM  
**To:** 'Oswald, Tom [HSEMD]'  
**Cc:** Turba, Jessica [HSEMD]; DeRouchey, Blake [HSEMD]; Harper, Dennis [HSEMD]; Chris Juett  
**Subject:** RE: HUD grant

Tom,

Thank you for allowing 2-1-1 to provide you with some information about how we could be a part of this grant proposal. I believe that 2-1-1 aligns well with what you are trying to do both in Iowa and in other parts of the county.

I want to start by providing you some information about 2-1-1 in Iowa and then share some information supplied to me by the 2-1-1 State Director of Michigan, Tom Page.

Iowa 2-1-1 Information:

- There are currently seven 2-1-1 Centers that provide the 2-1-1 Information and Referral Service to all residents of Iowa. (I have attached the 2-1-1 Coverage Area Map.) I am assuming that you have an understanding of the general 2-1-1 mission. If that is incorrect please let me know and I can provide some information about our mission.
- The United Way 2-1-1 Center physically located in Cedar Rapids, Iowa provides 2-1-1 to the residents of 39 counties in eastern Iowa.
  - If you compare our 2-1-1's service area with the map you shared with me you will see that we cover the following counties which have gold or dark blue shading within the county: Buchanan, Marshall, Tama, Benton, Poweshiek, Iowa, Johnson, Cedar and Lee.
- Cedar Rapids United Way 2-1-1 started our work in the area of emergency planning/preparedness, response and recovery in the fall of 2005 with the signing of MOUs with Benton and Linn County Emergency Management in coordination with Duane Arnold Energy Center. That first agreement spelled out how United Way 2-1-1 in Cedar Rapids would provide a public information phone line for residents of the DAEC Emergency Planning Zone. In turn, DAEC would fund United Way 2-1-1 and provide 2-1-1 Staff with Emergency Worker Training. Because of this agreement United Way 2-1-1 Staff drill with DAEC, Benton County EMA and Linn County EMA four times per year. United Way 2-1-1 Cedar Rapids still holds this agreement.
- United Way 2-1-1 Cedar Rapids currently has MOUs with the following County Emergency Management Offices: Benton, Buchanan, Black Hawk, Cedar, Linn, Johnson and Jones. Several of the counties have Special Needs Registries. One way to register is by calling United Way 2-1-1. During an emergency in any of these counties United Way 2-1-1 will provide public information, rumor control, etc. During recovery we will help residents connect to the resources needed to rebuild.
- United Way 2-1-1 Cedar Rapids also works very closely with Community Organizations Active in Disaster in Black Hawk, Linn and Johnson Counties.
- Our United Way 2-1-1 has provided response and recovery activities during flood events in 2008 and many other years since including during the flash flooding events of 2014. On several occasions we have worked with Black Hawk County EMA to be the initial contact for residents to report damage. This information has been used by EMA to get a disaster declarations. This year we are working with Linn County to provide a flood preparation resource fair on April 14, 2015. I am attaching one of the 2008 flood reports that we provided to city government, county government and other community partners.

2-1-1 Michigan:

The 2-1-1 State Director in Michigan is working with the group who is submitting this application for Michigan. When I told him that I had connected with you he sent me the information below and said that I could share it with you.

- Information and updates on the Michigan proposal will be available at

<http://www.michiganbusiness.org/ndrc>. If you go there you can scroll down to the bottom for links to the proposal overview and summary of approach.

I hope this information is a good synopsis about 2-1-1 and it gives you some ideas of how we could help with this project.

Please feel free to contact me if you have questions based on what I have shared. I look forward to hearing from you about this in the future.

Chris

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**From:** Oswald, Tom [HSEMD] [<mailto:thomas.oswald@iowa.gov>]  
**Sent:** Thursday, March 05, 2015 1:58 PM  
**To:** Chris Juett  
**Cc:** Turba, Jessica [HSEMD]; DeRouchey, Blake [HSEMD]; Oswald, Tom [HSEMD]; Harper, Dennis [HSEMD]  
**Subject:** HUD grant

Chris,

I am responding to an email you sent to Blake DeRouchey last Tuesday regarding the HUD National Disaster Resilience Competition.

Iowa HSEM is indeed preparing a grant application which is focusing on adding resiliency from flooding by looking at the watershed.

As you know, resiliency is more than about structures, but also about people. The health and human services aspect is vital to recovery and we appreciate your inquiry.

The grant process requires we determine most impacted areas by sub-county, I have attached the qualifying areas map, some of which are in the Cedar Rapids area.

One of our requirements is to identify vulnerable populations. If you could help us in that aspect, it would be appreciated. The project requires public outreach and this is an area in which your work in the 2-1-1 arena would be of help to us to identify those populations within your jurisdiction.

Should the state's project be funded, I anticipate an effort to inform and educate the 2-1-1 mission could be a component.

If you decide to provide the information requested, you will be the only one we ask at this point. If we are invited by HUD to continue after the initial application, we will engage the 2-1-1 community as appropriate.

Should you have questions feel free to contact Jessica Turba, who is included in this email, or you may contact me.

Tom



**From:** [Oswald, Tom \[HSEMD\]](#)  
**To:** [Harper, Dennis \[HSEMD\]](#); [Turba, Jessica \[HSEMD\]](#)  
**Cc:** [Oswald, Tom \[HSEMD\]](#); [Covington, William \[HSEMD\]](#)  
**Subject:** RE: Chicago follow-up re: Middle Cedar project  
**Date:** Wednesday, February 04, 2015 2:53:21 PM

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Dennis,

Jessica and I went to the Iowa-Cedar Basin meeting in CR last December. The city staff discussed source water protection and flood mitigation concerns and TNC's Ecosystem Services work in the Cedar basin. The 2 CR folks Kris mentioned were not at the meeting but we do have, at least the last names, of the CR folks who were at the meeting we went to.

Sounds like a party!

---

**From:** Harper, Dennis [HSEMD]  
**Sent:** Wednesday, February 04, 2015 2:09 PM  
**To:** Oswald, Tom [HSEMD]; Turba, Jessica [HSEMD]  
**Subject:** FW: Chicago follow-up re: Middle Cedar project

FYI

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**From:** Kris Johnson [<mailto:kjohnson@TNC.ORG>]  
**Sent:** Wednesday, February 04, 2015 2:05 PM  
**To:** Harper, Dennis [HSEMD]  
**Cc:** Susanne Hickey  
**Subject:** Chicago follow-up re: Middle Cedar project

Hi Dennis,

It was good to meet you in Chicago last week and great to hear about the proposal you and Dean presented for work in Dubuque. I think there is a lot in common between the goals and approach you outlined for the HUD proposal and with several Nature Conservancy projects in Iowa.

The first project I'd mention is our work in the Middle Cedar watershed to evaluate the potential for large-scale implementation of agricultural BMPs to improve water quality, reduce flood risk, and enhance habitat & recreation. This is a multi-year science and engagement project that will assess which practices, implemented where, perform best for meeting nutrient targets and addressing other important benefits. Related to that project we just connected this morning with Marty Adkins from NRCS, Adam Kiel from IA Soy, and Tariq Baloch and Barbara Wagner from the City of Cedar Rapids to explore possible connections between our project and the newly-funded RCPP grant. That grant and our work are just a couple of the efforts under way that apply watershed-scale thinking to address water quality and other problems.

There are other similar projects and I'd be interested in talking more to explore opportunities for collaboration around any of these projects. Also, copied on this message is my colleague Susanne Hickey, the Dir of Conservation programs for The Nature Conservancy in Iowa. If you have not met her yet, she oversees multiple projects and would be a great contact with whom to explore potential collaboration.

Again, good to meet you last week and let me know if it would make sense to have a call about potential connections between our efforts.

Thanks,  
Kris

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Senior Scientist

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IOWA HOMELAND SECURITY AND EMERGENCY MANAGEMENT DIVISION  
ATTENDANCE RECORD

pg #1

Applicants Briefing DR-1998 Council Bluffs Incc DATE 7/7/11

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IOWA HOMELAND SECURITY AND EMERGENCY MANAGEMENT DIVISION  
ATTENDANCE RECORD

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Applicants Briefing 02-19-08 Council Bluffs IJWC

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EVENT

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IOWA HOMELAND SECURITY AND EMERGENCY MANAGEMENT DIVISION  
ATTENDANCE RECORD

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EVENT Council Bluffs DR 1998 Applicants Brief DATE 7-7-11

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IOWA HOMELAND SECURITY AND EMERGENCY MANAGEMENT DIVISION  
ATTENDANCE RECORD

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Onawa | Dec. 1998 Applicants Briefing  
EVENT

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IOWA HOMETLAND SECURITY AND EMERGENCY MANAGEMENT DIVISION  
ATTENDANCE RECORD

Owasa / 02-19-98 Applicants Briefing

7/7/11

DATE

EVENT

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IOWA HOMELAND SECURITY AND EMERGENCY MANAGEMENT DIVISION  
ATTENDANCE RECORD

7/8/2011  
DATE

APPLICANT'S BRIEFING DR-1998 Sidney, IA  
EVENT

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IOWA HOMELAND SECURITY AND EMERGENCY MANAGEMENT DIVISION  
ATTENDANCE RECORD

DATE  
7/8/11

EVENT  
Applicants Briefing | 02-1998 | Sidney, IA

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IOWA HOMELAND SECURITY AND EMERGENCY MANAGEMENT DIVISION  
ATTENDANCE RECORD

APPLICANT BRIEF  
DR 1998 Kick Off Meet CATEROCE

8/25/2011  
DATE

EVENT

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IOWA HOMELAND SECURITY AND EMERGENCY MANAGEMENT DIVISION

ATTENDANCE RECORD

APPLICANT **BRIEFING & CHECKER**

8/25/2011

DATE

EVENT

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DR - 4016

Applicants Briefing - Marshall + Story

31 - Aug  
DATE

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IOWA HOMELAND SECURITY AND EMERGENCY MANAGEMENT DIVISION  
ATTENDANCE RECORD

DR-4016  
Applicants Briefing - Marshall & Story  
EVENT DATE 31- Aug

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Creme Beach	Marshalltown	641-754-5712		gbrach@ci.marshalltown.iowa.us
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Richard Burke	FEMA	601-334-4579		Richard.Burke@fema.gov
Doc Gibbos	Marshall City Hall	<del>515-287-8655</del>		City of Marshall@marshall.com
Kirk Steimbelt	IA HSEMD	515-494-5184		Kirk.Steimbelt@iowa.gov
Mary Beth Sprouse	City of Slater	515-685-2531		Slater.ia@iowatelecom.net
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IOWA HOMEMLAND SECURITY AND EMERGENCY MANAGEMENT DIVISION  
ATTENDANCE RECORD

Applicants Briefing / 02 4016 / Spencer

8/31/11

DATE

EVENT

ATTENDANT NAME	ORGANIZATION REPRESENTED	TELEPHONE NUMBER	FAX NUMBER	E-MAIL ADDRESS
Tom Oswald	HSEMD	515-729-4593		tom.oswald@iowa.gov
Douglas Bunkers	HSEMD	515-792-4587		douglas.bunkers@iowa.gov
Scott Stanley	HSEMD	515-729-4610		Scott.Stanley@iowa.gov
L.T. SMITH	FA-HSEMD	515-979-3599		L.T.SMITH@Iowa.gov
Tom Underwood	City of Lake Park	712-832-3004		Admin@LakeParkIa.com
Neal Hoge	City of Okoboji	712-332-2550		OKOBOJICH@MchSI.com
Gary Blaguer	FEMA PA	571-422-1227		gary.blaguer@hhs.gov
Kurt Hoffmann	HSEMD			
Patrick Antonen	HSEMD			
Jannethne Regenos	HSEMD			
Lisa Sewell	City of West Bend	515-887-2181	515-887-2183	cityofwb@rcn.net
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MIKE EHRST	Dakota Co E.M.	712-330-3987		mehret@co.dickinson.ia.us
RANDY JORAN	Clay County	712-262-2825	712-262-4114	pdoran@co.clay.ia.us
Scott Rinehart	Clay County Eng	" "	" "	sr.rinehart@co.clay.ia.us
ERIC TIGER	Clay Co. EMA	712-262-3987		etiger@co.clay.ia.us





IOWA HOMELAND SECURITY AND EMERGENCY MANAGEMENT DIVISION  
ATTENDANCE RECORD

31- Aug - 2011  
DATE

Applicant Briefing - Tama and Benton  
EVENT

ATTENDANT NAME	ORGANIZATION REPRESENTED	TELEPHONE NUMBER	FAX NUMBER	E-MAIL ADDRESS
Barry Lester	Bent Co. Agricultural Society	218-872-5108		
Bob Moen	BC HS	319-472-4202		
Dale Schmidt	BC HS	319-472-4389		
William Heber	BCCB	319-560-9806		
Randy Groeke	TIP REC	641-522-9221	641-522-9271	rgroeke@tiprec.com
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Kosifufye	HSEMD	515-224-528		drooduck@iowa-braillie.org
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Kirk Steinfeldt	IA HSEMD	515-494-5184		Mick Steinfeldt@iowa.gov
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Jan Pantul	Isaac	319-478-8160	2980	cityclerk@farr.net
Rick Ohrt	Vinton	319-472-4707	319-472-4071	Robert@vmech.org
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Bob Carr	North Tama Sch	319-472-2267		
Michelle Vanson	City of Toledo	641-484-2110	3360	toledo@mediascamb.net
Don Lyon	DPART	319-476-5391		dlyons@fctc.com
Susan Eberhart	Martelle	641-492-6008		eberhartmartel@aol.com
Susan Eberhart	James Co EMA	641-494-6261		jackson@ema.tamacounty.org
Bob Eberhart	Benton Co Sop.	839-560-9729		alstunst@iastate.edu
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Lori Lenthorn	Garwin	641-499-2307		freeb@tamacounty.org
Bob Eber	Tama Co Central	641-464-2231		





IOWA HOMELAND SECURITY AND EMERGENCY MANAGEMENT DIVISION  
ATTENDANCE RECORD

Applicant Briefing Tama & Benton

31-Aug-2011

DATE

ATTENDANT NAME	ORGANIZATION REPRESENTED	TELEPHONE NUMBER	FAX NUMBER	EMAIL ADDRESS
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Dave Saville	FEMA/EA	515-267-7863		david.saville@dhs.gov
Joan Raeki	Board of Repsnts	515-281-3934		jackie.iastate.edu
Carol & Chas	City of Chabla	641-489-2525		
Paul Curran	Grundy County REC	319 824 5251		rcurran@grundycountyprec.org
Mark Appel	Grundy County AER	319 8 245251		mappel@grundycountyrec.org
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Joe Bell	Tama Co	641-484-4100		
Robert Schermer	City of Ripant	319-476-5600		dysant@fcte.coop
Kevin Barnhart	Cedar Belt River Coop	515-332-7745		Kevin.barnhart@cbpcovers.coop
Dennis Kueer	Tama County Sheriff	641 751 8601		dkueer@caso.tamacoounty.ia.gov
Joanne Hyslop	Tama Co. EMD	641-484-3108		info@tamacoemergency.org
Judy Welch	305 Siegel - City of TAMA	641 484 3822		tamacity@iowatelecom.net
Chae Becker	FSA	641-484-2701		anna.becker@ia.usda.gov
Larry Jones	MRES	641-484-2702		larry.e.jones@ia.usda.gov
Ryan Currens	Tama Co. EMA-911	641-484-3760		rcurrens@ema.tamacoounty.org
Ally Hicks	MHC of Tama Co.	641-484-5031	641-484-5030	mhealth@iowatelecom.net









IOWA HOMETLAND SECURITY AND EMERGENCY MANAGEMENT DIVISION  
ATTENDANCE RECORD

DATE  
9-7-11

EVENT  
DR-4018 Dubuque + Jackson Co.

ATTENDANT NAME	ORGANIZATION REPRESENTED	TELEPHONE NUMBER	FAX NUMBER	EMAIL ADDRESS
Bruce Riesberg	IAMSEMO	515-729-4798		Bruce.Riesberg@Iowa.gov
Thomas I. Bergek	DUBUQUE CO EMA	563-589-4170	563-589-0015	tblgema@yousg.net
Mike Clausen	Jackson Co.	563-652-4782	563-652-9249	jcong@co.jackson.iowa.us
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Patricia Antonen	HS EMD			TEBrown@iowa.gov
Stacy Agnitsch	HS EMD			patricia.antonen@Iowa.gov
Tom Oshwa	Jackson Co.	563-652-4782	563-652-4244	jcong@co.jackson.iowa.us
Wayne Buchholtz	HS EMD	515-729-4593		
Patricia Antonen	Iowa DNR	563-556-0620	563-556-8474	wayne.buchholtz@dnr.iowa.gov
Jim Kipling	St. Donatus	563-345-1296		
Cathy Hedley	St. Donatus	563-773-8191		
Karen Snyder	SBBQ County/Sunnycrest	563-583-1781	563-583-1705	chedley@sunnycrest Iowa.org
Danielle Hawke	City of Peosta	563-555-8755	563-588-6280	k.snyder@cityofpeosta.org
Jeff Anwers	Jackson Co Conservation	563-657-3783	563-652-2191	danylarker@jackson-co.com
Melissa McGinnis	City of Farley	563-744-3475	563-744-3303	City Clerk of Farley Iowa.com
Ken Tekippe	City of Dubuque	563-589-4263		jakness@cityofdubuque.org
Mary Habel	City of Dubuque	563-589-4135	690-6689	mmequinn@cityofdubuque.org
MICHAEL GREKKE	City of Worthington	563-589-4133	" "	ktekippe@cityofdubuque.org
Bob Hingtsen	City of Sogerville	563-855-2825	" "	clerksoffice@yousg.net
BRIAN PRESTON	City of DSB	563-543-7512		sogerville@pnhs.net
Glen Tronowski	Western Dubuque Schools	563-589-4303		mbradke@cityofdubuque.org
	DUBUQUE CO CONSERVATION	563-744-3512	563-744-9001	bob.hingtsen@ar-dubuque.k12.iowa.us
	Strand Associates	563-556-6745	563-589-7885	dchpreston@presidentel.com
		608-251-4843	608-251-8655	glenn.tronowski@strand.com





IOWA HOMELAND SECURITY AND EMERGENCY MANAGEMENT DIVISION  
ATTENDANCE RECORD

DR-4018 Dubuque & Jackson Co. 9-7-11

DATE

EVENT

ATTENDANT NAME	ORGANIZATION REPRESENTED	TELEPHONE NUMBER	FAX NUMBER	E-MAIL ADDRESS
Clark Schlot	Jackson County Secondary Rds	563 652-4782	563 652-4244	Jcorg@co.jackson.ia.us
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John Kostermann	"	563-457-3496		jkoster@cityofdubuque.org
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Renee Apeel	City of Epworth	557-7283	557-1973	debe@dbg.co.org
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Sara Dunke	City of Dubuque	556-6945	589-9885	daab@prestonco.greystone.tel.c
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Jonathan Brown	City of Dubuque WDP	563-589-4270		gabeden@dbg.co.org
Gra Jaeden	City of Dubuque	563-557-7283		engineer@dbg.co.org
Bret Wilkinon	Dubuque County	563-589-4275	563-589-4205	gpbrown@cityofdubuque.org
Ous Phinnges	City of Dubuque	563-589-4160	563-589-4209	dbrown@cityofdubuque.org
Dan Brown	City of Dubuque			









IOWA HOMELAND SECURITY AND EMERGENCY MANAGEMENT DIVISION  
ATTENDANCE RECORD

02-4114 Applicants Brief; Orange City

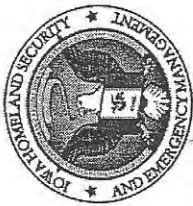
5/13/2013

DATE

EVENT

ATTENDANT NAME	ORGANIZATION REPRESENTED	TELEPHONE NUMBER	FAX NUMBER	E-MAIL ADDRESS
Tim Marienau	I HSEMD			tmarienau@iowa.gov
Jim Berg	FOWA ASEMMD	515-879-1715		jim.berg@fowa.gov
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Reed Grazing	"	712-472-3755		"
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Sandi Desmet	City of Larchwood	712-477-2366		city.larchwood@allianceon.net
Dean Snijders	City of Larchwood	712-477-2366		"
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CURT DIERSEN	L-10 POWER COOPERATIVE	712-472-2556		curt.diersen@dfs.com
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IOWA HOMELAND SECURITY AND EMERGENCY MANAGEMENT DIVISION  
ATTENDANCE RECORD

00-4114 Applicants Brief, Orange City

5/13/2013

DATE

EVENT

ATTENDANT NAME	ORGANIZATION REPRESENTED	TELEPHONE NUMBER	FAX NUMBER	EMAIL ADDRESS
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Gary Obbink		712-754-3924		Sibley@hickory.net
CAK Denz	City of Melvin	712-736-2426		gabriele@swings.com
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Robin Baumgard	City of Harris	714-461-1050		harris@cityofharris.com
Stephan Day	Irish Lakes Electric Coop	712-362-7870		september@ilec.coop
Ceki Ogawa	Lyon Co EMA	712-472-5330		kyok@hickory.net
Carol VanderKolk	City of Inwood	712-753-4833		cityofinwood@hotmail.com
Karen VanWyhe	Lyon REC	712-472-2506		Kvanwyhe@lyonrec.coop
Judy Top	Osceola Co Sheriff	712-754-2550		jt@osceola.org
Deb Horleski	City of Ionia	712-278-2102		cityofionia@mtcnet.net
Chet Arentholz	North West REC	712-707-4935		arentholz@nwrec.coop
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CHARLES BECHTOLD	OSCEOLA COUNTY ENG.	712-754-2303		cbchtold@osceola.org
Matt Van Schouwen	City of Sioux Center	712-722-0761		matthew.van@siouxcenter.org
Shellie Ver Steeg	City of Little Rock	712-479-2852		clerk@lr@yahoo.com
John	City of Lark Park	712-320-3172		lpark@talktalks.com





IOWA HOMELAND SECURITY AND EMERGENCY MANAGEMENT DIVISION  
ATTENDANCE RECORD

012-414 Applicants Brief; Orange City 5/13/2013 DATE

ATTENDANT NAME	ORGANIZATION REPRESENTED	TELEPHONE NUMBER	FAX NUMBER	E-MAIL ADDRESS
Scott Hanson	City of Inwood	712-470-5966		
Jeff Ten Napel	Oscoda Electric Corp	712-754-2518	754-2510	jtennapel@oscodaelectric.com
Bryan Gerritsen	City of Orange City	712-707-4885		publicworks@orangecityiowa.com
Harold Meester	City of Lester	712-478-4416		haroldm@lester@hotmail
Denny Wilberg	Hyam Road Electric	712-472-2566		L.wilberg@hyamrec.coop
Tim Mantel	City of Doon	712-441-3140		tim.mantel@echogroupinc.com
Wendy Gwoldt	City of Primghar/Archer	712-957-2435	712-957-5300	deputy2primghar@caexpress.net
Gaylene Eshuis	Northwest REC	712-707-4935	712-707-4949	operdept@nwrec.com
Debbie Gumpers	City of Scarnborn	712-930-3842	930-3000	Scarnborn@teacypress.net
ARON KORTIK	CITY OF HULL	712-439-1521		ARONK@CITYOFHULL.ORG
Lori Wolkow	City of Boyden	712-725-2371	712-725-2217	boyden@hickorytech.net
Daryl Ten Pa	City of Sioux Center	712-722-0761	712-722-0760	darryltp@siouxcenter.org
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Utahde Johnson	City of Lake Park	712-832-3004		adm.i@lakeparkia.org
Helga Johnson	FEMA	SA033142162		helga.johnson@fema.dhs.gov
Shawna King	FEMA	515-494-9481		Shawna.King@fema.dhs.gov













IOWA HOMELAND SECURITY AND EMERGENCY MANAGEMENT DIVISION  
ATTENDANCE RECORD

Iowa City  
Cedar, Clinton  
Iowa Johnson Muscatine  
6-20-13

Applicant's Briefing DR-4119-IA

DATE

EVENT

ATTENDANT NAME	ORGANIZATION REPRESENTED	TELEPHONE NUMBER	FAX NUMBER	E-MAIL ADDRESS
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Deb Menar	City of Clarence	563-452-3625	563-452-4128	cityhall@netins.net
Dorl Kiosa	SBCD Conservation	319-645-2315		dkyosa@co.johnsonia.us
Wade Schultz	" "			w Schultz@co.johnsonia.us
David Wendt	" "			dwendt@co.johnsonia.us
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LOUISE FROM	Univ. Height	319-354-1433		
Ellen Habel	City of Coralville	319-248-1700		ehabel@ci.coralville.ia.us
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Mike Dambler	Cedar Co. Conservation	563-212-6831		
Carri Britton	Cedar Co. Auditor	563-886-3168		





IOWA HOMELAND SECURITY AND EMERGENCY MANAGEMENT DIVISION  
ATTENDANCE RECORD

Applicant's Briefing DR-4119-IA  
EVENT DATE  
6-20-13

ATTENDANT NAME	ORGANIZATION REPRESENTED	TELEPHONE NUMBER	FAX NUMBER	E-MAIL ADDRESS
Robin Marshall	City of Iowa City	386-5085		Robin-Marshall@IowaCity.org
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Brett Mehmer	City of Tiffin	631-1698		bhtiffin@southslope.net
Michon Sackson	City of Tiffin	545-2572		mjsackson@tiffin.iaa.org
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KLWATTE	WASC County	563-263-6351		KWATTE@MUSCATINE.IA.US
Tracy Mulcahy	City of North Liberty	319-626-5712		tmulcahy@ci.north-liberty.ia.us
Mike Funke	City of Coralville	319-248-1700		mfunk@ci.coralville.ia.us
Joe Lala	Johnson Co Sheriff's	319-386-6070		jlala@co.johnson.ia.us
Tony Roetlin	CORALVILLE	319-248-1700		t.roetlin@ci.coralville.ia.us
Brian Ward	Iowa County	319-623-3748		bward@iowacounty.ia.us
Rob Fangmann	Cedar County	563-886-6102		efangman@cedarcounty.org
Scott KUPPE	City of Solon	319-624-3755		scott.kuppe@solon-ia.us
Brent Nelson	City of Marengo	319-521-2719		wneth@marengoia.us
JIM MALOTT	Cedar Co. EMA	563-886-3355		emc@cedarcounty.org
Missy Parter	City of West Liberty	319-627-2418		mcarter@com.net
Chance Kress	Clinton County EMA	563-219-5250		ckress@clintoncounty-ia.gov
Tom Jones	JECC	319-396-6888		Tom.Jones@jecc-ema.org
Staci Griffin	Louis Co EMA	319-750-1128		louis.erna@louisacountymed
MATTEN STARK	Muscatine EMA	563-255-8026		M.Stark@muscatineia.gov
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Louise FROM	Univ. Height	319-354-1433		louisebob@mehsi.com









IOWA HOMELAND SECURITY AND EMERGENCY MANAGEMENT DIVISION  
ATTENDANCE RECORD

DR-419 Applicant Briefing

EVENT

10/12/13

DATE

ATTENDANT NAME	ORGANIZATION REPRESENTED	TELEPHONE NUMBER	FAX NUMBER	E-MAIL ADDRESS
Katie Ewing	HSEMD	515-725-9341		Katie.Ewing@iowa.gov
Denise Gadaless	Wayne County Engineers Office	641-873-2005	641-873-2838	denice@jgvm.net
Abrer Wolf	Wayne County Engineers Office	" "	" "	wyncoe@grm.net
Clark Brown	Lucas County Secondary Roads	641-774-4013	641-774-2993	brownc@lucaso.org
Todde W. Folkerts	LUCAS COUNTY SEC. RD	641-774-4013	641-774-2993	folkerts@lucaso.org
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John Goode	MOORE Co. SEC. ROADS	641-932-7123	641-932-2863	jgoode@monroecountyia.us
GARY BISHOP	Appanoose Co. Sec. Roads	641-856-6193	641-437-4665	gbishop@appanoosecounty.net
Brent Baughman	City of New Virginia - Warren County	515-577-8967	641-449-3737	bbaughman@windstream.net
Jim Burns	City of Exline	641-856-7117		alburns@live.com
John Doolittle	City of Kellerton - Ringgold Co	641-783-2321	641-783-2651	cdkellerton@iowatelecom.net
Teresa Jackson	Ringgold EMA	641-202-9671		tjackson@iowatelecom.net
Carl Stephens	Monroe County Facilities	641-891-5922	641-848-7199	cstephens@co.monroe,ia.us
MIKE LAMBS	ADLM-EMA	641-895-0407		ADLME@lowatelecom.net
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Sylvan Hobbs	Lucas County Conservation	641-742-4338	641-774-5857	lucasccb@iowatelecom.net
Cory Goodnow	City of Chilton	641-774-5991	641-774-4111	citymanager@iowatelecom.net
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Jerry Holloway	Warren Co. Eng. Off	515-961-1050	515-961-1053	jerryh@co.warren,ia.us
Sean Ballanger	City of Moravia	641-724-9811		cityofmoravia@iowatelecom.net
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ROGER SCHLETZBAUM	MARION Co. ROAD DEPT	641-828-2225	641-828-7349	rschletzb@com.marion,ia.us
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Mark South	FEMA PA	816-507-9781		mark.south@fema.dhs.gov



IOWA HOMELAND SECURITY AND EMERGENCY MANAGEMENT DIVISION  
ATTENDANCE RECORD

FUNDANT NAME	ORGANIZATION REPRESENTED	TELEPHONE NUMBER	FAX NUMBER	EMAIL ADDRESS	DATE
Roger Sablitz	Town of Rathburn	641-895-3312			
Mimi Melstrom	Town of Rathburn	641-895-9263			
	Monroe County				
	Apparose Conservation				





IOWA HOMELAND SECURITY AND EMERGENCY MANAGEMENT DIVISION  
ATTENDANCE RECORD

APPLICANT BRIEFING

6-18-13

EVENT

DATE

ATTENDANT NAME	ORGANIZATION REPRESENTED	TELEPHONE NUMBER	FAX NUMBER	E-MAIL ADDRESS
TIM HAMBER	STATE OF IA - HSEMD	515-979-0517		timothy.hamber@iowa.gov
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Lloyd McIntyre	Keokuk County	641-622-2610	3637	lloyd@keokukcounty.org
Sara Johnson	Wapello County	641-814-2427		adrea44@yahoo.com
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Brian Carter	Pes Moines Co. Sec. Eds	319-253-8241	73-8740	dmcsecond@mchsi.com
Brian Moore	Wapello County Soc Eds	641-684-5425	641-684-8539	bmoore@wapellocounty.org
Shirley Atkinson	Eldon City of	641-680-2634	641-652-7510	CITYELD@iowatelecom.net
Carrie Tennant	City of Eldon	641-799-8782	641-652-7510	Cityeld@iowatelecom.net
Shane Johnson	Burlington Waterworks	319-754-6501		johnsons@burlingtonwa.org
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MIKE PIEPER	Green Bay Levee Drainage District	(319) 470-8388	(3A) 312-2276	P12279@yahoo.com
Jenica Mullarley	Green Bay Levee Drainage District	(319) 470-5065	(3A) 372-2276	jenica52627@yahoo.com















IOWA HOMELAND SECURITY AND EMERGENCY MANAGEMENT DIVISION  
ATTENDANCE RECORD

BENTON JONES  
IOWA CUNN  
Johnston 7/9/13 2pm

02-4126 Applicants Brief Cedar Rapids DATE

ATTENDANT NAME	ORGANIZATION REPRESENTED	TELEPHONE NUMBER	FAX NUMBER	E-MAIL ADDRESS
Brian Ward	Fox County Sec. Rd	319-642-3721	319-642-7046	bward@co.foxs.iowa.gov
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Roberta Albertson	Jones County	319-462-3785	319-462-3903	engineer@co.jones.iowa.us
BRIAN BERGER	City of Cedar Rapids	319-286-5020		b.berger@cedar-rapids.org
Andy Hoehing	City of Cedar Rapids	319-286-5066		a.hoehing@cedar-rapids.org
BJ Cunningham	HSEMD	515 725 9402		William.cunningham@iowa.gov
Brent Nelson	City of Mayo	319-521-2729	319-692-7444	brentn@mayojowa.com
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IOWA HOMELAND SECURITY AND EMERGENCY MANAGEMENT DIVISION  
ATTENDANCE RECORD

DRABLE Applicant Briefing 7/9 10 am  
EVENT

DATE

ATTENDANT NAME	ORGANIZATION REPRESENTED	TELEPHONE NUMBER	FAX NUMBER	E-MAIL ADDRESS
Chris Hoerles	Grundy Co EMA	319-724-6933		chris@grundycountyshariff.org
STEVE COY	GRUNDY CO. ENG. OFC	319-824-6912		stevco@accounthouse.org
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JERRY SCHMIDT	GRUNDY CO FAIR BOARD	319-269-8234		JSCHMIDT@POLIYRY@CC-MUNI.NET
Wendy Lage	Wellsburg City	641-869-3342	641-869-3342	wlage@iowatelecom.net
Shalcha Henson	City of New Hartford	319-983-2548	same	cityclerk@newhartfordmncsi.com
Jann Anderson	New Hartford	"	"	"
Ty Mennenga	IHSEMI	515-725-4618		ty.mennenga@iowa.gov
Abn Smith	CITY OF BENMAN	319-824-3460		asmith@perc22a@hreshold.org
ORESTES PEREZ (opic)	FEMA	202-805-8678		DIRESTES.PEREZ@DHS.GOV
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Rick Conrado	FEMA	816-398-3466		RICHARD.CONRADO@dhs.gov
Calvin Hopper	Floyd County Roads	641-330-8600		cfloyd@mchsi.com
DUSTEN ROLANDO	FLOYD COUNTY/CHICKASAW COUNTY	641-425-9272	1-641-228-7556	drolando@floydcoia.org
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IOWA HOMELAND SECURITY AND EMERGENCY MANAGEMENT DIVISION  
ATTENDANCE RECORD

FRANKLIN GREENE  
WEBSTER WINNEBAGO  
WRIGHT

DR-4126 Applicant Briefing Hampton, IA 7/9 2pm  
EVENT DATE

ATTENDANT NAME	ORGANIZATION REPRESENTED	TELEPHONE NUMBER	FAX NUMBER	E-MAIL ADDRESS
Thomas A. Craighton	Franklin County EMA	641-425-2460		TCraighton@co.franklin.ia.us
Katie Ewing	HSEMD	515 725 9341		Katie.Ewing@iowa.gov
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Pick Colorado	FEMA	816 398 3466		Pick Colorado@dhs.gov
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Dave Tarr	City of Hampton	coll 456-4853		dtarr@hamptonia.us
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Ron Dunt	CITY OF Hampton	641-456-4853		rdunt@hamptonia.us
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IOWA HOMELAND SECURITY AND EMERGENCY MANAGEMENT DIVISION  
ATTENDANCE RECORD

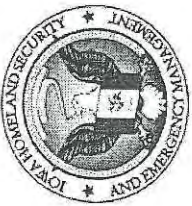
POWESHIEK  
HARDIN  
STORY  
TAMA  
1/4 JASPER  
MARSHALL

Applicants Brief DR-4126 Marshalltown

7/11/13 9:30 am  
DATE

ATTENDANT NAME	ORGANIZATION REPRESENTED	TELEPHONE NUMBER	FAX NUMBER	E-MAIL ADDRESS
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Lyle Brehm	Tama & Poweshiek Counties	(641) 481-354 (641) 623-5435	(641) 484-6628	lbrehm@tamacounty.org
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IOWA HOMEMLAND SECURITY AND EMERGENCY MANAGEMENT DIVISION  
ATTENDANCE RECORD

# 214

024126 Applicants Brief Marshalltown

7/11/13

DATE

EVENT

ATTENDANT NAME	ORGANIZATION REPRESENTED	TELEPHONE NUMBER	FAX NUMBER	E-MAIL ADDRESS
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DAIREN MOON	STORY CO. SECONDARY ROADS	515-382-7355	7369	
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IOWA HOMELAND SECURITY AND EMERGENCY MANAGEMENT DIVISION  
ATTENDANCE RECORD

DES MOINES  
LEE LOUSA

HENRY 1/2

DR-4126 Applicants Briefing, Mt Pleasant

7/10/13 9:30 AM

DATE

EVENT

ATTENDANT NAME	ORGANIZATION REPRESENTED	TELEPHONE NUMBER	FAX NUMBER	E-MAIL ADDRESS
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Bert Eddy	Louisiana County Levee #11	319-523-4427		
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Dan Halsteen	Louisiana Levee #12	319-523-5846		
Larry Roehl	Louisiana Co Roads	319-523-5271		lroehl@iowa.gov
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IOWA HOMELAND SECURITY AND EMERGENCY MANAGEMENT DIVISION  
ATTENDANCE RECORD

7/10 10 am

Boona Vista  
Cherokee Clay  
Byron O'Brien  
Sioux

DR-4126 Applicant Briefing

Palo Alto

Allymott

DATE

ATTENDANT NAME	ORGANIZATION REPRESENTED	TELEPHONE NUMBER	FAX NUMBER	E-MAIL ADDRESS
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TOM SPOTER	O'BRIEN COUNTY	"	"	"
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Katie Enning	HSEMD			
Dan Jones	HSEMD			





IOWA HOMELAND SECURITY AND EMERGENCY MANAGEMENT DIVISION  
ATTENDANCE RECORD

DR-4126 Applicant Briefing  
EVENT DATE 7/10/09

ATTENDANT NAME	ORGANIZATION REPRESENTED	TELEPHONE NUMBER	FAX NUMBER	E-MAIL ADDRESS
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Reat Anderson	"	"	712-707-4351	reata@orangecityiowa.com
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IOWA HOMELAND SECURITY AND EMERGENCY MANAGEMENT DEPARTMENT  
ATTENDANCE RECORD

8/17/2013

DATE

Elkader, IA

EVENT

Applicants Brief 02-4135

ATTENDANT NAME	ORGANIZATION REPRESENTED	TELEPHONE NUMBER	FAX NUMBER	E-MAIL ADDRESS
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Regan Doughton	Alumnae - Clayton REC	563-864-7611		regan@claytonrec.coop
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**From:** [Oswald, Tom \[HSEMD\]](#)  
**To:** "[bgleason@iowacorn.org](mailto:bgleason@iowacorn.org)"  
**Cc:** [Oswald, Tom \[HSEMD\]](#)  
**Subject:** HUD call  
**Date:** Tuesday, February 24, 2015 9:42:33 AM

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Ben,

I enjoyed our conversation yesterday regarding the HUD *National Disaster Resilience Competition*.

As I mentioned, Iowa Department of Homeland Security and Emergency Management is the applicant for the State of Iowa and the direction we are proposing is to increase resiliency by going into the watershed and working with landowners and producers to voluntarily reduce runoff by improving soil health utilizing and leveraging existing watershed programs. Successful implementation will then reduce peak flows, lessening the impact of flooding

We are working with commodity groups like the ICGA; agricultural organizations like IFBF; state agencies such as IDALS, IDNR, IEDA; federal agencies including NRCS; ISU and the Iowa Flood Center; conservation groups like The Nature Conservancy, Soil and Water Conservation Society, Iowa Natural Heritage Foundation, Iowa Environmental Council; and, statewide organizations including Iowa State Association of Counties and Iowa League of Cities.

Our efforts now are to develop what is called Phase 1. If HUD concurs with our approach we will be invited to Phase 2, which actually identifies projects and formalizes partnerships.

As we progress, I will send you a sample letter of intent to partner in this effort.

Thanks Ben for your interest.

Tom

***Tom Oswald***

Deputy Operations Officer  
Recovery Division  
Iowa HSEM  
7900 Hickman Road, Suite 500  
Windsor Heights, IA 50324

515-729-4593 (cell)  
515-725-9357 (desk)  
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[tom.oswald@iowa.gov](mailto:tom.oswald@iowa.gov)



**From:** [Gaskill, Brian](#)  
**To:** [jerixson2@unl.edu](mailto:jerixson2@unl.edu); [eportis@plattsmouth.org](mailto:eportis@plattsmouth.org); [beaken@oppd.com](mailto:beaken@oppd.com); [jwesser@oppd.com](mailto:jwesser@oppd.com); [Paine, Mitch; Brian.T.Rast@usace.army.mil](mailto:Paine, Mitch; Brian.T.Rast@usace.army.mil); [Oswald, Tom \[HSEMD\]](#); [Turba, Jessica \[HSEMD\]](#); [jhellendrung@sasaki.com](mailto:jhellendrung@sasaki.com); [lfoster@councilbluffs-ia.gov](mailto:lfoster@councilbluffs-ia.gov); [Leager, Leslie \[IEDA\]](#); [andy.papen@ded.mo.gov](mailto:andy.papen@ded.mo.gov); [Baker, Mary; matan@epochlab.com](#); [david.thomas@cityofomaha.org](mailto:david.thomas@cityofomaha.org); [James.Thele@cityofomaha.org](mailto:James.Thele@cityofomaha.org); [Lhedquist@southsiouxcity.org](mailto:Lhedquist@southsiouxcity.org); [mcrowley@iscvt.org](mailto:mcrowley@iscvt.org); [sarahp@lcf.org](mailto:sarahp@lcf.org); [hhoyt@hraadvisors.com](mailto:hhoyt@hraadvisors.com); [SCarter@rockfound.org](mailto:SCarter@rockfound.org); [larry.burks@bellevue.net](mailto:larry.burks@bellevue.net); [doug.kluck@noaa.gov](mailto:doug.kluck@noaa.gov); [kkvlasek@oppd.com](mailto:kkvlasek@oppd.com)  
**Cc:** [Charleston, Steve](#); [McAuliffe, Terry](#)  
**Subject:** Disaster Resilience and the Missouri River Corridor  
**Date:** Friday, March 13, 2015 11:23:00 AM

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Greetings All,

This message is being sent to you as you have provided some assistance and information regarding the Missouri River Corridor and the impacts to that corridor during the 2011 flooding. As you may recall, the State of Nebraska Department of Economic Development was in the process of evaluating and developing an application within HUD's National Disaster Resilience Competition (NDRC). After research, consultation, and review, it has been determined that Nebraska will not be applying for resources within the NDRC. This is due to the requirements of the application; the CDBG National Objective requirements; and the overall scope and goals of the Competition.

With that said, during the development of the NDRC application, it is evident that a comprehensive, regional review of the Missouri River Corridor is needed. This review would include: asset mapping (including the critical facilities and the natural resources in the area); an evaluation of opportunities for collaboration; an evaluation for additional resources that may be available to address opportunities; and an overall plan for resilience and preparedness as future flooding may likely occur in the Corridor area. Our continued efforts to review the opportunities along the Corridor (including within the areas of South Dakota, Nebraska, Iowa, and Missouri) within a collaborative effort may prove invaluable as we move forward.

In the coming weeks and months, I will continue to reach out to those who may be interested in partnering and in developing this Missouri River Corridor review. Thank you all for your initial help and guidance. I look forward to continuing these efforts.

Thanks

Brian Gaskill, MCRP, JD  
Deputy Director, HCD Division  
Nebraska Dept of Economic Development  
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[www.neded.org](http://www.neded.org)

**From:** [Oswald, Tom \[HSEMD\]](#)  
**To:** [Leah Medley \(medley.leah@epa.gov\)](mailto:medley.leah@epa.gov)  
**Cc:** [Oswald, Tom \[HSEMD\]](#)  
**Subject:** EPA; HUD discussion at Iowa Water Conference  
**Date:** Friday, March 06, 2015 2:31:45 PM

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Leah,

It was a pleasure meeting you this week at the Iowa Water Conference as we discussed the HUD *National Disaster Resilience Competition*.

As I mentioned, Iowa is developing the project to address the reduction of flood peaks by going into the watershed and applying best management practices using existing programs and projects.

I am hopeful EPA R7 will be able to work with us if we are funded.

You mentioned that R7 has a flood resiliency team and I am interested in learning more about that effort.

Please feel free to contact me to further discuss this.

Best,  
Tom Oswald

***Tom Oswald***

Deputy Operations Officer  
Recovery Division  
Iowa HSEM  
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**Flood Risk Management Working Group Meeting**  
**2014 Iowa Long Term Recovery Task Force**  
**Wallace State Office Building**  
**November 5, 2014; 2:00-4:00 PM**

Attending:

Bill Cappuccio, chair, IDNR

Lori McDaniel, IDNR

Jason Conn, IDNR

Joe Bohkle, IEDA

Chris Kahle, IDNR

Jon Nania, USGS

Jerry Skalak, USACE Rock Island District

Tony Toigo, IDALS/DSC

Tim Kautza, IHSEM

Tom Oswald, coordinator, IHSEM

Scott Ralston, IDNR

Dave Claman, IDOT

Ken Bouma, IDNR

Jessica Turba, Iowa HSEM

Adrian Holmes, IFSMA

Allan Bonini, IDNR

Marty Adkins, NRCS

Jeff Zogg, NWS

**The next FRM Working Group meeting will be in early January. It is anticipated the special teams will continue to meet prior the working group meeting and keep Cappuccio and Oswald informed and offer them invitations to their meeting/conference calls, etc.**

**Look for a Doodle Poll email from Bill Cappuccio in December**

After introductions, Bill Cappuccio asked for team updates from the prior meeting;

- River Gages, IFC Sensors and Flood Forecasting; Jerry Skalak: Skalak has submitted the Silver Jackets IFC flood sensor project application. The project seeks to leverage the existing IFC bridge sensor network data to demonstrate the need for rating curve development at sensor locations. Study partners (USACE, IFC, NWS, USGS, IDNR, HSEMD) will prioritize state-wide rating curve needs and develop a standard procedure for rating curve data collection by leveraging available data (statewide LIDAR data, bridge plans). Co-located bridge sensor and USGS gage rating curves will be compared to assess the accuracy of the bridge sensor rating curves. The demonstration study products will be available for flood preparedness planning. Project completion date November 2015 (one year from date funding received).

Dave Claman said IDOT is working with the IFC to model rating curves on 10 bridges selected by IDOT.

- Education/Outreach; Lori McDaniel: McDaniel et al are compiling the existing education information. Rock Rapids and Rock Valley will be the initial recipients of outreach efforts/products developed, whether or not the Silver Jackets project is funded. Working group



members are asked to determine the willingness if their respective I&E staff would be willing to refine our information efforts prior to rolling them out.

- Transportation mitigation opportunities; Dave Claman: Tim Kautza and Claman will recommend providing County Engineers and consultants training regarding how to make mitigation part of both the PA and ER program funding requests to increase resiliency. They will coordinate their efforts with the Transportation Working Group. Claman will contact Charley Purcell who is the IDOT contact with County Engineers

Floodplain Mapping; Scott Ralston: Discussed options for delivery of multi-frequency inundation areas and depth grid products via web service. Identified need to consult with local officials (e.g., County Emergency Managers) to determine what products they considered most useful. A date set for meeting of Floodplain Mapping Advisory Board. Team discussed status of mapping for Rock Rapids/Rock Valley. Mapping there may be expedited if COE receives Silver Jackets funding for non-structural flood reduction studies for those communities. While project funding has not yet been approved, IFC will visit both communities to collect data that COE would use for hydraulic analysis. Continue to look for opportunities to expedite mapping for Rock Rapids/Rock Valley areas.

Hazard mitigation planning; Jessica Turba: FEMA, DNR, and HSEMD attended a meeting on 10/23/14 to discuss the state and local hazard mitigation planning. There is a lack of mapping, ability to dig for data in multiple sources for factually based risk analysis and in general local HM planning is isolated from other types of planning initiatives. Solutions discussed include creating a tool that will help local plans deliver a comprehensive Risk Assessment. Next steps will be to convene a meeting of the State Hazard Mitigation Team to discuss updated state plan guidance and how it can be addressed with the mindset of creating something useful for local plans.

HUD National Disaster Resilience Competition; Turba: HSEMD submitted the state of Iowa's threshold review package on 11/3. HUD has 15 working days to respond to the request with a determination of eligible areas of work. Once this response has been analyzed, the framing for the phase 1 application will begin.

**Flood Risk Management Working Group Meeting**  
**2014 Iowa Long Term Recovery Task Force**  
**Wallace State Office Building**  
**January 16, 2015; 9:00-11:30 AM**

Attending:

Bill Cappuccio, chair, IDNR

Jason Conn, IDNR

Jon Nania, USGS

Jerry Skalak, USACE Rock Island District

Tony Toigo, IDALS/DSC

Tim Kautza, IHSEM

Joe Chandler, FEMA R7

Witold Krajewski, IFC

Jake Hansen, IDALS/DSC

Tom Oswald, coordinator, IHSEM

Dave Claman, IDOT

Adrian Holmes, IFSMA

Dan Schmitz, IHSEM

Marty Adkins, NRCS

Jeff Zogg, NWS

Nate Young, IFC

Tim Hall, IDNR

Randy Behm, USACE Omaha District

After introductions, Bill Cappuccio asked for team recommendations to the Task Force;

- River Gages, IFC Sensors and Flood Forecasting; Skalak: Skalak noted Silver Jackets IFC flood sensor project application was not funded. The project sought to leverage the existing IFC bridge sensor network data to demonstrate the need for rating curve development at sensor locations. A recommendation to the TF will be to seek funding from other sources. Jon Nania discussed the need to fully fund the USGS NSIP (National Streamflow Information Program) in Iowa.
- Floodplain Mapping; Cappuccio: Rock Rapids/Rock Valley (RR/RV) H&H work is in progress. USACE is working on the non-structural alternatives (now FRAM, see following). IFC is collecting data to develop HEC-RAS and hope to be complete in a couple of months. We are working with IHSEM to develop a comprehensive tool to use during flooding events. IFC asked if it could be incorporated into their IFIS tool. Behm noted the term non-structure alternatives (NSA) has been changed to Flood Risk Assessment Measures (FRAM) to more fully identify and clarify those activities. USACE is developing a Rapid Assessment Flooding Tool (RAFT).
- Education/Outreach; Conn; will identify mitigation needs and actions for RR/RV pilot project. Will ask for questions from those cities and the county to help determine what they need to prepare for future flooding events. Work with the local COG and EPA et al, in the effort. This pilot project will address planning, responding, recovery and mitigation and will be used to develop a state-wide education/outreach process. Chandler and Cappuccio noted there are webinars in the works of various topics; RiskMap, safe rooms, watersheds, etc.

- Transportation mitigation opportunities; Kautza; training sessions are being developed for Iowa Chapter of the American Public Works Association conference in March and the Iowa County Engineers conference later this year. Topic will be flood mitigation/resilience.

Hazard mitigation planning; Cappuccio/Oswald; there was conference call with a HAZUS expert at the University of Wisconsin, Shane Hubbard. This led to a recommendation to continue to investigate the use of HAZUS and conduct pilot projects for several counties where needed data are available to update hazard mitigation plans.

HUD National Disaster Resilience Competition; Oswald; the technical progress has been put on hold until management gives further direction due to changes in the application process.

Recommendation to the Task Force; The FRM WG made a strong recommendation that the efforts continue in a formal manner and be incorporated into an existing organization such as the WRCC, the State Hazard Mitigation Team or Silver Jackets.

Hansen said he will be putting the Long-Term Recovery Task Force on the next WRCC meeting agenda. He, along with Tim Hall, believes the WRCC is the proper organization to continue the work of the FRM WG.



## **Flood Risk Management Workgroup**

### **Background**

The effort to formally coordinate flood risk management efforts in Iowa was initiated during the flood of 1993 and has grown since that time due to the increasing impact of flooding in Iowa and the need for interagency, intergovernmental and NGO coordination. Several of the issues addressed by the Flood Risk Management Workgroup (FRMWG) were first identified more than 20 years ago and are ongoing concerns. Others are new and reflect technological, scientific and policy changes.

Five teams were established to address specific issues related to the subject of flood risk management: River Gages, IFC Sensors and Flood Forecasting; Floodplain Mapping; Transportation Mitigation Opportunities; Outreach and Education; and, Hazard Mitigation Planning. Members on the FRMWG with expertise in those areas were selected to meet and make recommendations based on their charge.

The FRMWG membership consisted heavily of state and federal agency representatives from the well-established Iowa Silver Jackets Flood Risk Management Team (SJ). Additional members were recruited in this effort. All of the members are interested in institutionalizing this effort, and implementing these recommendations through SJ or another entity as decided by the Task Force.

### **Members of the FRM WG (and Associated Teams)**

Bill Cappuccio, chair, IDNR	Tom Oswald, coordinator, IHSEM
Jason Conn, IDNR	Tim Kautza, IHSEM
Chris Kahle, IDNR	Dan Schmitz, IHSEM
Scott Ralston, IDNR	Jessica Turba, IHSEM
Tim Hall, IDNR	Jon Paoli, IHSEM
Lori McDaniel, IDNR	BJ Covington, IHSEM
Allen Bonini, IDNR	Dave Claman, IDOT
Ken Bouma, IDNR	Tom Parham, IDOT
Jerry Skalak, USACE Rock Island District	Maxx Grogg, FHWA
Randy Behm, USACE Omaha District	Tony Toigo, IDALS/DSC
Jason Smith, USACE Rock Island District	Jake Hansen, IDALS/DSC
Shirley Johnson, USACE Rock Island District	Jeff Geerts, IEDA
Jeff Zogg, NWS	Joe Bohkle, IEDA
Brad Small, NWS	Joe Chandler, FEMA R7
Greg Johnson, NWS	Paul Mohr, HUD
Nate Young, IFC	Gina Hardin, IEMA
Witold Krajewski, IFC	Adrian Holmes, IFSMA
Marty Adkins, NRCS	Matt Helmers, ISU
Jon Nania, USGS	Gary Taylor, ISU Extension

## **Workgroup Teams**

River Gages, IFC Sensor and Flood Forecasting  
Floodplain Mapping  
Transportation Mitigation Opportunities  
Outreach and Education  
Hazard Mitigation Planning

### **River Gages, IFC Sensors and Flood Forecasting Team**

#### **Goals/Objectives**

Accurate and timely flood forecasting - and the infrastructure network required to provide it – are important to communities’ efforts to minimize damages that might be caused by a flood event. A number of state and federal partners (e.g., USGS, NWS, IFC and USACE) are responsible for the infrastructure networks that collect the data used in flood forecasting.

- The USGS operates/maintains a network of 256 stream gages on Iowa streams, 152 of which provide real-time stage and discharge information (37 others provide real-time stage only information). The operation of many of those gages is co-funded by other federal, state or local agencies.
- The IFC operates/maintains a network of 244 stream sensors on Iowa streams. While not as accurate as the USGS stream gages, these sensors provide real-time river stage information that is valuable during a flood event. The sensors currently only provide stream stage information (i.e., no discharge values).

The goal of this team is to increase coordination between the partner agencies in an effort to identify outstanding needs for improvements to the data collection network, develop plans for addressing those needs, ensure the best use of available resources, optimize the use of the existing data collection infrastructure and develop plans for dealing with budget shortfalls that might affect the existing data collection network.

#### **Outcome/Recommendations**

The timeliness and accuracy of flood forecasts increase with the availability of real-time stream flow data. However, there are currently a number of gaps in the state’s existing real-time stream data collection network.

The USGS National Streamflow Information program (NSIP) lists 118 stream gage sites considered critical to meeting the state’s streamflow information needs. Of those, 26 are currently not funded; and, many of the others are co-funded by other partners. The current annual cost to operate/maintain a USGS stream gage is \$14,940. Full implementation of the NSIP would not only result in funding for those 26 identified gages sites that are currently unfunded, but would also make available funding currently provided by cosponsors that might potentially be used to fund additional stream gages.

The IFC flood sensors were not intended to provide either the accuracy or extended features provided by a USGS stream gage. But, at ~\$3500 per installation, the 244 existing stream sensors provide valuable, real-time stream stage information during a flood event. The value of the sensors would be enhanced if they could also provide stream discharge information (i.e., in cubic feet per second). In order for them to do this, rating curves would need to be developed for each stream sensor site. A rating curve is a stage-discharge relationship that provides the stream flow (in cfs) at each river stage. Development of a rating curve requires the collection survey data to define the geometry of the stream channel at that location. That survey data can be supplemented with the state's 2-ft. LiDAR to create a full valley cross-section at that location. That cross-section is then used to perform the hydraulic analysis necessary to develop the rating curve.

Developing rating curves for the entire stream sensor network could be accomplished with a budget of ~\$500,000. The time to complete such a project would be 12-18 months. The Rock Island District Corps was recently awarded \$45,000 to conduct a pilot project that consist of developing rating curves for 4-6 stream sensors co-located near existing USGS stream gages. The purpose of the pilot project is to establish standard procedures for rating curve data collection and to compare and assess the accuracy of the stream flow values obtained from the stream sensor rating curves. If the pilot project determines that the accuracy of the stream flow values provided by those stream sensor rating curves is acceptable, the Team recommends that rating curves be developed for the rest of the network.

The recommendations of the River Gages, IFC Sensors and Flood Forecasting Team are as follows:

- The State of Iowa should advocate full implementation of the NSIP
- If the pilot project conducted by the Rock Island District Corps determines that the accuracy of the stream flow values provided by the stream sensor rating curves is acceptable, funding should be sought to develop of rating curves for the rest of IFC stream sensor network

## **Floodplain Mapping**

### Goals/Objectives

Accurate floodplain mapping is important for purposes such as informed development design; mitigation planning; and emergency preparation and response. Using \$15 million in supplemental CDBG funds resulting from the 2008 federal disaster declaration, the state of Iowa (through the IDNR and IFC) is currently working to produce improved, digital floodplain mapping products using the state's 2-ft. LiDAR for those 85 counties that were included in that disaster declaration. The resulting map products will include flood inundation layers and depth grids for 8-different flood frequencies (i.e., the 2, 5, 10, 25, 50, 100, 200 and 500-year frequency events).

Floodplain maps for the 14 counties not included in the 2008 disaster declaration are being produced by the USACE using Program Assistance to States (PAS) funding.

In addition, the IFC is currently developing updated floodplain map products for 2 of the communities most severely affected by flooding in 2014: Rock Rapids and Rock Valley. Those



floodplain map products will be used by the USACE to perform Flood Risk Adaptive Measures (FRAM) studies for those communities.

The goals of this team are to ensure that resulting products include the best available data; provide information that can be used for multiple purposes; and are easily accessible and useable for the determination of flood risk by, not only land use and mitigation professionals, but also the general public (including the agricultural community).

#### Outcome/Recommendations

The digital floodplain map products being produced by the state of Iowa and USACE are intended to:

- Replace outdated paper maps
- Replace earlier, less accurate digital floodplain map products produced by FEMA using less suitable elevation products (e.g., 10 & 20 ft. interval contours), and
- Provide maps for areas that currently do not have a floodplain map.

When the state's mapping project was initiated, Region VII FEMA was able to use the "draft" map products produced by the state as a cost-match against its own mapping budget. This allowed the Region to incorporate the state's map products into published FEMA Flood Insurance Rate Maps (FIRMs). As a result of this state/FEMA partnership, there are currently 7 county floodplain map products in the process of becoming effective FEMA FIRMS. However, FEMA's mapping priorities have since changed. And, as a result, large portions of Iowa are now considered by FEMA as having a low priority for receiving new FEMA mapping projects.

In reaction to this change at FEMA, the state is using \$1.4 million of its remaining mapping funds to pay the cost of publishing floodplain maps for 21 additional counties as FEMA FIRMs (at a cost of ~\$67,000 per county). However, funding needed to publish maps for the remaining 57 counties as FIRMs has not been identified. The state is scheduled to complete production of draft map products for the 85 counties included in its mapping project by the end of 2016. There is a risk that, if those products are not quickly (< 2-years) incorporated into a published FEMA FIRM, the data used to produce them (particularly the hydrology) might be considered to be outdated.

The USACE is using PAS funding to produce floodplain maps for the 14 counties that were not included in the 2008 disaster declaration. While progress has been made, the annual funding stream for the PAS program has been small. At the current rate of funding, it will be several years before draft map products are completed for those counties; after which, there is currently no identified funding available for those products to be published as FEMA FIRMs.

The map products being produced by the state's mapping efforts include digital layers showing the flood inundation areas and depth grids for all 8 flood frequency events. In order to utilize this data, a person typically needs to use a GIS software package. Most GIS software is complicated to use and often prohibitively expensive for individuals and small government organizations to own. A better option is to provide the information as part of a web-based GIS map service. IDNR and IFC staffs

have developed methods to efficiently serve the large datasets associated with these products for delivery through web-based services.

The recommendations of the Floodplain Mapping Team are as follows:

- Funding should be sought for the completion of the floodplain mapping products for the 14 counties not included in the 2008 disaster declaration.
- Funding should be sought for the publication of all draft floodplain mapping products produced by the state and USACE as official FEMA FIRMs
- IDNR and IFC staffs should continue with efforts to make all products resulting from the state's floodplain mapping project available through a web-based GIS service.

## **Transportation Mitigation Opportunities**

### Goals/Objectives

In discussions with county engineers, it was discovered that, when making application for FEMA Public Assistance Program funding to repair flood related damages to transportation infrastructure, few included measures intended to mitigate against future flood damages. The reason appears to be that they are unaware of the circumstances where such measures can be funded.

The goal of this team is to provide local city and county engineers with information that will help them to determine when they can include mitigation/resilience measures as part of their applications for FEMA Public Assistance Program funding for flood damage repair.

### Outcome/Recommendations

Presentations will be made at conferences of the Iowa Chapters for both the American Public Works Association (APWA) and Iowa County Engineers Association (ICAE). The presentations will provide information including the circumstances where FEMA might consider funding flood mitigation/resilience measures related to flood damage repair projects and the constraints associated with the availability of such funding.

## **Outreach and Education**

### Goals/Objectives

Many attempts have been made over the years to inform/educate communities, businesses and other institutions of the tools and approaches that can be used to assess and reduce their risks caused by flooding. However, most of these attempts have had limited success.

The goals of this team are to determine the educational needs for communities, businesses and other institutions susceptible to damage by flooding; develop training and other informational products that address those needs; and deliver that training and information products in a form and manner that meets the needs of the target audiences.

### Outcome/Recommendations

The northwest Iowa communities of Rick Rapids and Rock Valley were severely affected by flooding in 2014. Both communities have indicated an eagerness to participate in programs and activities that would help them to reduce their future flood risks. The team believes these 2 communities – having been so recently affected by flooding – could provide an opportunity for it to assess what information and assistance might be of benefit to such communities. The Team will develop a needs assessment intended to determine the types of information and training those communities believe would have been beneficial to them both pre/post flood. Based on the needs identified, a pilot educational/training program will be developed and delivered to the communities of Rock Rapids and Rock Valley. Additional partners that could assist with the development of this training program are the EPA and Northwest Iowa Planning and Development Commission. The hope is that this pilot program will result in the development of training programs covering subjects such as flood preparedness/response, risk analysis, mitigation and resilience that can be delivered to other communities/organizations statewide.

The recommendations of the Outreach and Education Team are as follows:

- Continue with development of a pilot education/training program for the communities of Rock Rapids & Rock Valley, with the goal of creating additional educational opportunities that can be delivered to other communities/organizations.

## **Hazard Mitigation Planning**

### Goals/Objectives

The hazard mitigation planning process is intended to reduce loss of life and property by lessening the impacts of disasters. By taking action now via planning, the potential human and financial consequences are reduced. In order for mitigation planning to be effective, all participating communities must understand the local risks and work together to identify and develop measures to mitigate each of them. In the best case scenarios, the community integrates the hazard mitigation plan into its existing Comprehensive Plan and development standards. However, there is concern that the writing of hazard mitigation plans is becoming formulaic and that, in too many cases, the local plans do not satisfactorily accomplish goals beyond that of the plan being approved by FEMA.

The goals of this team are to improve the quality of local Hazard Mitigation Plans, thereby resulting in more effective mitigation/management of flood risk and reduction in flood losses. Additionally, these proposed improvements will likely save both administrative time and money developing said local plans.

### Outcome/Recommendations

Risk analysis is by far the most time consuming part of the hazard mitigation planning process. It has been observed that local officials/stakeholders often “burn-out” before the risk analysis portion of the plan is completed; often resulting in their reduced participation during the rest of the process.

An option would be for the State to perform risk analysis statewide and provide that information to the communities’ hazard mitigation planners. Doing this would not only reduce the amount of time



the community would need to spend performing risk analysis (potentially providing more time to devote to implementation), but also set a minimum standard for the risk analysis used for each hazard mitigation plan.

One of the methods that could be used to perform a statewide risk analysis is FEMA's Hazards US (HAZUS) software. The greatest expense in using HAZUS for such an analysis is the development of the required data layers. However, within just a few years, the state of Iowa will find itself in the unique position of having most of the data layers required to perform a Level 2 HAZUS risk analysis for a large portion of the state; those layers being:

- 2-ft LiDAR
- Multi-frequency depth grids
- Parcel/structure inventory

The initial integration of the HAZUS data will be more time consuming, as the data layers will have to be created in GIS. This task will most likely have to be contracted out by most communities. One potential way to circumvent a large majority of the data layer workload is to work the said data into the State's Hazard Mitigation Plan. By doing so, most of the initial data crunching will be completed, giving local communities a much easier task when applying it to their communities. After the data set is created, local communities should require less administrative time performing risk assessments. This time savings coupled with the usage of the State's data could potentially reduce the costs to create a local mitigation plan.

To determine the effectiveness of this approach, a pilot project could be conducted where HAZUS Level 2 risk analysis data is provided to a specific county that is scheduled to begin the process of updating its hazard mitigation plan. The Team would determine whether the higher-quality risk analysis data, plus the time savings resulting from the risk analysis being provided to the community, results in a better hazard mitigation plan and better implementation. The county selected for such a pilot project should be one where the data layers required for the Level 2 analysis already exist.

The recommendations of the Hazard Mitigation Planning Team are as follows:

- Continue to investigate the use of HAZUS for flood risk analysis
- Conduct pilot project where a Level 2 HAZUS risk analysis is conducted for a county where the necessary data exists and its hazard mitigation plan is scheduled for update. Evaluation should be conducted to determine whether providing the HAZUS risk analysis data to the community resulted in an improved plan with better implementation.
- Review the feasibility of the State using the HAZUS software to create a state-wide risk analysis. This data would ultimately be utilized in the Iowa Hazard Mitigation Plan.

**From:** [Andrea Piekarczyk](#)  
**To:** [Oswald, Tom \[HSEMD\]](#)  
**Cc:** [Anita Ogara](#); [Duane Sand](#)  
**Subject:** HUD resiliency grant letter of intent  
**Date:** Thursday, February 26, 2015 5:13:54 PM  
**Attachments:** [image001.png](#)  
[image002.png](#)  
[image003.png](#)  
[image004.png](#)  
[image005.png](#)  
[image006.png](#)  
[image007.png](#)  
[HUD letter.pdf](#)

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Dear Tom,

Duane Sand asked me to compile and send you the attached letter of intent for INHF to partner with HSEMD in the HUD resiliency program. Please let me know if there are any problems—I will be in tomorrow and can follow up, if needed.

Best,  
Andrea



**Andrea Piekarczyk**

Program & Development Assistant

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**From:** [Oswald, Tom \[HSEMD\]](#)  
**To:** [Seam McMahon \(smcmahon@iowaagwateralliance.com\)](mailto:smcmahon@iowaagwateralliance.com)  
**Subject:** HUD program partnership  
**Date:** Tuesday, February 17, 2015 2:46:00 PM  
**Attachments:** [Iowa Agriculture Water Alliance letter of intent.docx](#)

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Sean,

I enjoyed our discussion this morning and I look forward the possibility of working with you and the partners in this effort. I have copied the web link to the Resiliency site that may be of help to you.

I have attached a Word doc. with some boilerplate language for a letter of intent. I have included some verbiage in red that I ask you to fill out. There are no formatting requirements from HUD. If you have questions regarding the second red bullet, please let me know.

While our deadline to submit to HUD is a month or so from now, if you decide to partner and a letter of intent isn't received we can add more partners. I believe I mentioned I spoke at length with Roger Wolf and I have a call out to Ben Gleason.

Tom

<https://www.planning.org/resilience/>

***Tom Oswald***

Deputy Operations Officer  
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Iowa HSEM  
7900 Hickman Road, Suite 500  
Windsor Heights, IA 50324

515-729-4593 (cell)  
515-725-9357 (desk)  
515-725-9408 (fax)  
tom.oswald@iowa.gov



**From:** [Sean McMahon](#)  
**To:** [Oswald, Tom \[HSEMD\]](#)  
**Cc:** ["Schyler Bardole"; Turba, Jessica \[HSEMD\]](#)  
**Subject:** RE: HUD program partnership  
**Date:** Tuesday, March 10, 2015 3:44:12 PM

---

Tom,

That sounds good! I'll be out of the office tomorrow pm, but will ask my colleague Schyler to send the final version to both you and Jessica.

Best Regards,  
Sean



**Sean McMahon | Executive Director**

Office: 515-334-1480 | Mobile: 515-868-1119

[smcmahon@iowaagwateralliance.com](mailto:smcmahon@iowaagwateralliance.com) | [www.iowaagwateralliance.com](http://www.iowaagwateralliance.com)

---

**From:** Oswald, Tom [HSEMD] [<mailto:thomas.oswald@iowa.gov>]  
**Sent:** Tuesday, March 10, 2015 2:24 PM  
**To:** 'Sean McMahon'  
**Cc:** 'Schyler Bardole'; Turba, Jessica [HSEMD]; Oswald, Tom [HSEMD]  
**Subject:** RE: HUD program partnership

Sean,

I have added a colleague in my reply so please send it to Jessica too. Thanks Sean. We will have to meet some day and chat.

Tom

---

**From:** Sean McMahon [<mailto:smcmahon@iowaagwateralliance.com>]  
**Sent:** Tuesday, March 10, 2015 1:21 PM  
**To:** Oswald, Tom [HSEMD]  
**Cc:** 'Schyler Bardole'  
**Subject:** RE: HUD program partnership

Tom,

We should have a letter in support of the partnership by COB tomorrow. Should that letter go directly to you?

Best Regards,  
Sean



**Sean McMahon | Executive Director**

Office: 515-334-1480 | Mobile: 515-868-1119

[smcmahon@iowaagwateralliance.com](mailto:smcmahon@iowaagwateralliance.com) | [www.iowaagwateralliance.com](http://www.iowaagwateralliance.com)

---

**From:** Oswald, Tom [HSEMD] [<mailto:thomas.oswald@iowa.gov>]

**Sent:** Tuesday, February 17, 2015 2:46 PM

**To:** Seam McMahon ([smcmahon@iowaagwateralliance.com](mailto:smcmahon@iowaagwateralliance.com))

**Subject:** HUD program partnership

Sean,

I enjoyed our discussion this morning and I look forward the possibility of working with you and the partners in this effort. I have copied the web link to the Resiliency site that may be of help to you.

I have attached a Word doc. with some boilerplate language for a letter of intent. I have included some verbiage in red that I ask you to fill out. There are no formatting requirements from HUD. If you have questions regarding the second red bullet, please let me know.

While our deadline to submit to HUD is a month or so from now, if you decide to partner and a letter of intent isn't received we can add more partners. I believe I mentioned I spoke at length with Roger Wolf and I have a call out to Ben Gleason.

Tom

<https://www.planning.org/resilience/>

**Tom Oswald**

Deputy Operations Officer

Recovery Division

Iowa HSEM

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Windsor Heights, IA 50324

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515-725-9357 (desk)

515-725-9408 (fax)

[tom.oswald@iowa.gov](mailto:tom.oswald@iowa.gov)



**From:** [Oswald, Tom \[HSEMD\]](#)  
**To:** [Linda Kinman \(iawa.icwf@gmail.com\)](mailto:linda.kinman@icwf.com)  
**Cc:** [Oswald, Tom \[HSEMD\]](#)  
**Subject:** IAWA HUD Competition  
**Date:** Friday, March 06, 2015 1:41:52 PM

---

Linda,

I enjoyed our conversation earlier this week at the Iowa Water Conference about the HUD National Disaster Resilience Competition and IAWA's interest in a potential partnership.

I am including the web site for your review and would invite further discussions.

<https://www.planning.org/resilience/>

Thanks.

Tom

***Tom Oswald***

Deputy Operations Officer  
Recovery Division  
Iowa HSEM  
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Windsor Heights, IA 50324

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515-725-9357 (desk)  
515-725-9408 (fax)  
tom.oswald@iowa.gov

**From:** [Smith, Jason T MVR](#)  
**To:** [\(bob.wegand@ia.usda.gov\)](#); [\(Jon.Hubbert@ia.usda.gov\)](#); [Cathy Henry](#); [Adam Kiel](#); [Adkins, Martin - Des Moines, IA](#); [Anne Lewis](#); [Benjamin Gleason \(bgleason@iowacorn.org\)](#); [Bob Franke \(bob.franke@dhs.gov\)](#); [Bonini, Allen \[DNR\]](#); [Craig Schmidt](#); [Cruse, Richard M \[AGRON\]](#); [Daniel E Christiansen](#); [Daryl Smith \(daryl.smith@uni.edu\)](#); [Deal, Brian](#); [Dennis Olson](#); [Donald Hey \(dlhey@sbcglobal.net\)](#); [Donna Dubberke](#); [Dougherty, Michael P MVR](#); [Ehm, William \[DNR\]](#); [Eileen Bader Hall](#); [Eileen M. Fretz](#); [Eileen McLellan](#); [Ensminger, Chris \[DNR\]](#); [Foreman, Laurel - Des Moines, IA](#); [Friedow, Vickie \(USDA\) \[Outside\]](#); [Gassman, Philip W \[CARD\]](#); [Gillespie, Jim \[IDALS\]](#); [Gregg Hadish](#); [Groskinsky, Brenda](#); [Hunemuller, Toby J MVR](#); [Martin, James \[IDALS\]](#); [Jason Daniels \(daniels.jason@epa.gov\)](#); [Jeff Terstriep](#); [Jeff Zogg \(jeff.zogg@noaa.gov\)](#); [Jennifer Filipiak \(j\\_filipiak@yahoo.com\)](#); [John Haase](#); [John Whitaker](#); [Johnson, Shirley J MVR](#); [Karlovits, Gregory S RMC](#); [Karnish, Diane E MVR](#); [Kautza, Timothy \[HSEMD\]](#); [Keegan Kult](#); [Kris Johnson](#); [Kristen Blann](#); [Langsdale, Stacy M IWR](#); [Larry Weber](#); [Lemke, Dean \[IDALS\]](#); [Libra, Robert \[DNR\]](#); [Solberg, Marc \[DOT\]](#); [Mark P. Smith](#); [Marler, Scott \[DOT\]](#); [Matt Fisher](#); [Maya Kocian](#); [Medley, Leah@epamail.epa.gov](#); [Michael Reuter](#); [Mike Welvaert](#); [Muste, Marian V](#); [Nora Wahlund \(nwahlund@eartheconomics.org\)](#); [Noreen Schwein](#); [Oswald, Tom \[HSEMD\]](#); [Pumphrey, Sandy J.](#); [Robert Clevenstine@fws.gov](#); [Roger Sutter](#); [Roger Wolf](#); [Rost, James \[DOT\]](#); [Sean \(smcmahon@tnc.org\)](#); [Timmings, Sherry \[IEDA\]](#); [Skalak, Jerry \[Outside\]](#); [Smith, Jason T MVR](#); [Staci Williams](#); [Steve Jones](#); [Stevenson, Marybeth \[DNR\]](#); [Stoflet, Maren A MVR](#); [Susan Judkins](#); [Takata, Eileen K SPL](#); [Tarpey, Michael J MVR](#); [Theiling, Charles H MVR](#); [Thompson, Bill \(MPCA\)](#); [Todd Sutphin](#); [todd.kolander@state.mn.us](#); [Tsai, You Jen](#); [Stoller, Vicki \[Outside\]](#); [Wagner, Paul F IWR](#); [Wolter, Calvin \[DNR\]](#)  
**Cc:** [Hill, Harvey S CONTRACTOR @ IWR](#)  
**Subject:** December Meeting Agenda  
**Date:** Monday, December 15, 2014 11:06:59 PM  
**Attachments:** [IOWA CEDAR - AGENDA INTERAGENCY MTG - 15 Dec 14.docx](#)

---

Hello All,  
Attached is the proposed agenda for Thursday's interagency meeting.

Jason T. Smith, PE, CPESC  
Study Manager/Civil Engineer  
U.S. Army Corps of Engineers  
Regional Planning Branch - North  
Rock Island Arsenal  
Clocktower Building  
P.O. Box 2004  
Rock Island, IL 61204  
(309)794-5690 (O)  
(309)794-5110 (F)

"Vision without execution is hallucination" Thomas Edison

**From:** [Oswald, Tom \[HSEMD\]](#)  
**To:** ["dustinmiller@iowaleague.org"](mailto:dustinmiller@iowaleague.org)  
**Cc:** [Oswald, Tom \[HSEMD\]](#)  
**Subject:** HUD grant letter of intent  
**Date:** Thursday, February 12, 2015 11:38:00 AM  
**Attachments:** [Iowa League of Cities letter of intent.docx](#)

---

Dustin,

I look forward to working with the League in this effort should you choose to participate. I think there are a number of things we discussed that we have mutual interest in that hopefully can be addressed.

Best,

Tom

***Tom Oswald***

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Recovery Division  
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tom.oswald@iowa.gov



**From:** [Smith, Jason T MVR](#)  
**To:** [Oswald, Tom \[HSEMD\]](#)  
**Subject:** IA-Cedar info for HUD report  
**Date:** Wednesday, December 10, 2014 11:09:56 PM  
**Attachments:** [Fact Sheet - 4 page v.3.docx](#)

---

Hi Tom,

Attached is a document that was put together for the WRCC board but it has been modified to bring it up to date. I hope this will meet your need.

Regarding the HID proposal I'm putting together the agenda for next Thursday's IA-Cedar Interagency Team meeting and I wondered if you would be willing to present on the status of this proposal. If you are unable to call in for the whole meeting we can work out a designated amount of time for you to call in and present.

Please let me know whether you need any additional info beyond this fact sheet and also if you are willing to inform the group about the HUD effort next Thursday.

Thanks and Take Care,

Jason T. Smith, PE,CPESC  
Study Manager/Civil Engineer  
U.S. Army Corps of Engineers  
Regional Planning Branch - North  
Rock Island Arsenal  
Clocktower Building  
P.O. Box 2004  
Rock Island, IL 61204  
(309)794-5690 (O)  
(309)794-5110 (F)

"Vision without execution is hallucination" Thomas Edison

**From:** [Oswald, Tom \[HSEMD\]](#)  
**To:** [Northey, Bill \[IDALS\]](#); [Gipp, Chuck \[DNR\]](#)  
**Cc:** [Schouten, Mark \[HSEMD\]](#); [Trautman, Bruce \[DNR\]](#); [Gillespie, Jim \[IDALS\]](#); [Hall, Pat \[HSEMD\]](#); [Ehm, William \[DNR\]](#); [Harper, Dennis \[HSEMD\]](#); [Hansen, Jake \[IDALS\]](#); [Matthes, Michelle \[HSEMD\]](#); [Turba, Jessica \[HSEMD\]](#); [Oswald, Tom \[HSEMD\]](#)  
**Subject:** HUD program letter of intent  
**Date:** Friday, March 06, 2015 11:27:14 AM  
**Attachments:** [IDALS DNR joint partners letter 2 .docx](#)

---

Secretary Northey & Director Gipp,

Per Director Schouten's direction I have attached a draft letter of intent for IDALS and DNR to participate as partners with Iowa HSEM in the HUD National Disaster Resilience Competition.

I have included language relevant to each of your departments, as well as language I believe indicates the long term partnership IDALS and DNR have had over the years regarding watershed work in Iowa. Please feel free to revise as needed.

I believe it was also noted that each of your letterheads will be added.

Please contact me if you have any questions regarding this letter.

Respectfully,  
Tom Oswald

***Tom Oswald***

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Windsor Heights, IA 50324

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tom.oswald@iowa.gov

**From:** [Oswald, Tom \[HSEMD\]](#)  
**To:** [Northey, Bill \[IDALS\]](#); [Gipp, Chuck \[DNR\]](#); [Trautman, Bruce \[DNR\]](#); [Gillespie, Jim \[IDALS\]](#); [Ehm, William \[DNR\]](#); [Hansen, Jake \[IDALS\]](#)  
**Cc:** [Schouten, Mark \[HSEMD\]](#); [Hall, Pat \[HSEMD\]](#); [Harper, Dennis \[HSEMD\]](#); [Bartlett, Aimee \[HSEMD\]](#); [Turba, Jessica \[HSEMD\]](#); [Covington, William \[HSEMD\]](#); [Gioffredi, Larry \[HSEMD\]](#); [Oswald, Tom \[HSEMD\]](#); [Matthes, Michelle \[HSEMD\]](#)  
**Subject:** National Disaster Resilience Competition comment period  
**Date:** Tuesday, March 10, 2015 11:03:30 AM

---

All,

The State of Iowa's Phase I application is posted for public comment for the HUD *National Disaster Resilience Competition* in web site below.

Please note it is in draft form and we anticipate format and verbiage revisions, and we will have a formal review by individuals outside of HSEM, but the concepts will remain the same.

Please feel free to comment as you see fit and note there is a public hearing on March 6. Email comments will be accepted through March 21.

We greatly appreciate your willingness to partner with us in this effort as many of your comments were incorporated into the development of this application. We are hopeful our partnership will continue to grow as we progress through this effort

When we have completed and delivered our application to HUD we will send that information to you.

[http://www.homelandsecurity.iowa.gov/disasters/hazard\\_mitigation.html#hudapplication](http://www.homelandsecurity.iowa.gov/disasters/hazard_mitigation.html#hudapplication)

Respectfully,  
Tom

***Tom Oswald***

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515-725-9357 (desk)  
515-725-9408 (fax)  
tom.oswald@iowa.gov



**From:** [Oswald, Tom \[HSEMD\]](#)  
**To:** ["Heathcote@iaenvironment.org"](mailto:Heathcote@iaenvironment.org); ["Lane@iaenvironment.org"](mailto:Lane@iaenvironment.org)  
**Cc:** [Oswald, Tom \[HSEMD\]](#)  
**Subject:** HUD letter of intent  
**Date:** Wednesday, February 18, 2015 8:09:38 AM  
**Attachments:** [IEC letter of intent.docx](#)

---

Susan & Cindy,

I enjoyed our discussion yesterday regarding a possible letter of intent from the IEC to partner with us in the HUD National Disaster Resiliency Competition should we receive funding.

I have attached a draft letter of intent for your consideration. Note the sentences in red are the questions we would like you to answer. I have also provided a link to the HUD Resiliency website which can better explain the program.

Don't hesitate to call me if you have any questions.

<https://www.planning.org/resilience/>

Tom

***Tom Oswald***

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Recovery Division  
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Windsor Heights, IA 50324

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515-725-9357 (desk)  
515-725-9408 (fax)  
tom.oswald@iowa.gov

**From:** [Oswald, Tom \[HSEMD\]](#)  
**To:** [Rick Robinson](#)  
**Cc:** [Oswald, Tom \[HSEMD\]](#); [Turba, Jessica \[HSEMD\]](#)  
**Subject:** IFBF partnership request w/Iowa HSEM  
**Date:** Tuesday, March 10, 2015 10:29:03 AM  
**Attachments:** [IFBF letter of intent.docx](#)

---

Rick,  
Good morning.

You may recall that we spoke briefly at the watershed planning seminar at the Wallace Building last month about a potential partnership between IFBF and Iowa HSEM on a HUD grant called the *National Disaster Resilience Competition*.

The direction we are going, under the guidance and assistance from the Governor's office, IDALS, DNR, ISU, IFC, NRCS and others is to reduce peak flood flows by going into the watershed and working within the existing watershed program and project framework. We have received positive feedback from the ICGA, ISA, IAWA as well as the League of Cities and the Iowa State Association of Counties. We have received, or anticipate we will receive a letter of intent to formally partner with all of them, plus many others.

We believe that adding flood reduction into the existing framework of water quality, soil health, and water quantity this will benefit both the agricultural and urban communities in Iowa. The Nutrient Reduction Strategy and the Non-point Source Management Plan are 2 of the major resources we are using in this effort. This program, if funded, would add leverage that we believe would work towards the goals Iowa has set for water quality and reduce the impact of flooding. The funds will be used towards implementing best management practices that can achieve all of these goals on a voluntary basis to Iowa's growers as well as urban communities.

I have attached a draft letter of intent for your review and request that IFBF consider adding to our partnership. The verbiage in red is what I would ask you to fill in should you choose to partner.

As always, please holler if you have any questions.

Thanks Rick.

Tom

**Tom Oswald**

Deputy Operations Officer  
Recovery Division  
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Windsor Heights, IA 50324

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515-725-9408 (fax)

tom.oswald@iowa.gov



**From:** [Oswald, Tom \[HSEMD\]](#)  
**To:** ["Steussy, Sara S"](#)  
**Cc:** [Turba, Jessica \[HSEMD\]](#); [Oswald, Tom \[HSEMD\]](#)  
**Subject:** RE: HUD letter of intent  
**Date:** Wednesday, March 11, 2015 3:32:15 PM

---

Sara,

Take a look at Appx C in the Technical capacity to ensure we are correct. Please include that narrative in your letter or provide us an updated version on Appx C.

I have included Jessica in my reply as she provided me the response.

Tom

[http://www.homelandsecurity.iowa.gov/disasters/hazard\\_mitigation.html#hudapplication](http://www.homelandsecurity.iowa.gov/disasters/hazard_mitigation.html#hudapplication)

---

**From:** Steussy, Sara S [<mailto:sara-steussy@uiowa.edu>]  
**Sent:** Wednesday, March 11, 2015 3:29 PM  
**To:** Oswald, Tom [HSEMD]  
**Subject:** RE: HUD letter of intent

Tom –

Do we need to be more specific than this in terms of our role for the purposes of this letter?

*To support Iowa's CDBG-NDR application, IIHR and the Iowa Flood Center will quantify the impact the mitigation projects will have on reducing flood damages and improving water quality. This science-based approach will involve data collection and the development of highly-detailed hydrologic models of Iowa watersheds. These new models will be a vital tool in evaluating impacts on water quality and quantity, assessing future conditions in the watershed, and providing a framework for similar resiliency planning and implementation across the state.*

Sara

---

**From:** Oswald, Tom [HSEMD] [<mailto:thomas.oswald@iowa.gov>]  
**Sent:** Friday, March 06, 2015 11:33 AM  
**To:** Steussy, Sara S  
**Subject:** Re: HUD letter of intent

Thanks

Tom Oswald

Homeland Security and Emergency Management

State Lead PAC

515.729.4593 c

515.253.2591 o

Sent by Blackberry

---

**From:** Steussy, Sara S [<mailto:sara-steussy@uiowa.edu>]  
**Sent:** Friday, March 06, 2015 11:32 AM  
**To:** Oswald, Tom [HSEMD]  
**Cc:** Weber, Larry J <[larry-weber@uiowa.edu](mailto:larry-weber@uiowa.edu)>; Turba, Jessica [HSEMD]  
**Subject:** Re: HUD letter of intent

No problem, we'll have it early next week.

Sara

---

**From:** Tom Oswald <[thomas.oswald@iowa.gov](mailto:thomas.oswald@iowa.gov)>  
**Date:** Fri, 6 Mar 2015 10:52:50 -0600  
**To:** Sara Stuessy <[sara-steussy@uiowa.edu](mailto:sara-steussy@uiowa.edu)>  
**Cc:** Larry Weber <[larry-weber@uiowa.edu](mailto:larry-weber@uiowa.edu)>, Tom Oswald <[thomas.oswald@iowa.gov](mailto:thomas.oswald@iowa.gov)>, Jessica Turba <[Jessica.Turba@iowa.gov](mailto:Jessica.Turba@iowa.gov)>  
**Subject:** RE: HUD letter of intent

Sara,  
Friday, March 13 work for you?

---

**From:** Steussy, Sara S [<mailto:sara-steussy@uiowa.edu>]  
**Sent:** Friday, March 06, 2015 10:50 AM  
**To:** Oswald, Tom [HSEMD]  
**Cc:** Weber, Larry J  
**Subject:** Re: HUD letter of intent

Tom -

What's our turn around on this?

Thanks.

Sara

---

**From:** Tom Oswald <[thomas.oswald@iowa.gov](mailto:thomas.oswald@iowa.gov)>  
**Date:** Fri, 6 Mar 2015 10:21:47 -0600  
**To:** Larry Weber <[larry-weber@uiowa.edu](mailto:larry-weber@uiowa.edu)>, Sara Stuessy <[sara-steussy@uiowa.edu](mailto:sara-steussy@uiowa.edu)>  
**Cc:** Tom Oswald <[thomas.oswald@iowa.gov](mailto:thomas.oswald@iowa.gov)>  
**Subject:** HUD letter of intent

Larry and Sara,  
I have attached a draft letter of intent for the HUD program. I took the liberty to add some verbiage from your website but only as an example of what we are looking for. I also added IIHR as a signatory and ask if you want to include both the IFC and IIHR, your call of course.

As always, let me know if you have any questions. Thanks.

Tom

***Tom Oswald***

Deputy Operations Officer

Recovery Division

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[tom.oswald@iowa.gov](mailto:tom.oswald@iowa.gov)



**From:** [Adrian Holmes](#)  
**To:** [Oswald, Tom \[HSEMD\]](#)  
**Subject:** RE: HUD National Disaster Resiliency Competition  
**Date:** Tuesday, February 24, 2015 11:33:24 AM

---

Tom,

IFSMA would certainly be interested in partnering in the HUD National Disaster Resilience Competition. We can send a letter of intent. Let me know if there is anything else we can do to support the application process.

Thanks,

Adrian Holmes, PE, CFM  
Shoemaker & Haaland  
160 Holiday Rd.  
Coralville, IA 52241  
Direct: 319.383.7822  
Office: 319.351.7150  
Mobile: 319.594.5775  
[www.shoemaker-haaland.com](http://www.shoemaker-haaland.com)

---

**From:** Oswald, Tom [HSEMD] [<mailto:thomas.oswald@iowa.gov>]  
**Sent:** Tuesday, February 24, 2015 9:55 AM  
**To:** Adrian Holmes  
**Cc:** Oswald, Tom [HSEMD]  
**Subject:** HUD National Disaster Resiliency Competition

Adrian,

You may recall discussions at Silver Jackets meetings regarding the HUD *National Disaster Resilience Competition*. I am asking IFSMA to consider partnering in this effort.

Iowa Department of Homeland Security and Emergency Management is the applicant for the State of Iowa and the direction we are proposing is to increase resiliency by going into the watershed and working with landowners and producers to voluntarily reduce runoff by improving soil health utilizing and leveraging existing watershed programs. Successful implementation will then reduce peak flows, lessening the impact of flooding

We are working with commodity groups like the ICGA; agricultural organizations like IFBF; state agencies such as IDALS, IDNR, IEDA; federal agencies including NRCS; ISU and the Iowa Flood Center; conservation groups like The Nature Conservancy, Soil and Water Conservation Society, Iowa Natural Heritage Foundation, Iowa Environmental Council; and, statewide organizations including Iowa State Association of Counties and Iowa League of Cities.

Our efforts now are to develop what is called Phase 1. If HUD concurs with our approach we will be

invited to Phase 2, which actually identifies projects and formalizes partnerships.

I am hopeful IFSMA would be interested in partnering with Iowa HSEM in this effort as we progress in our application

As we progress, I will send you a sample letter of intent to partner in this effort.

Thanks Adrian for your interest.

***Tom Oswald***

Deputy Operations Officer

Recovery Division

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[tom.oswald@iowa.gov](mailto:tom.oswald@iowa.gov)

**From:** [Andrea Piekarczyk](#)  
**To:** [Oswald, Tom \[HSEMD\]](#)  
**Cc:** [Anita Ogara](#); [Duane Sand](#)  
**Subject:** HUD resiliency grant letter of intent  
**Date:** Thursday, February 26, 2015 5:13:54 PM  
**Attachments:** [image001.png](#)  
[image002.png](#)  
[image003.png](#)  
[image004.png](#)  
[image005.png](#)  
[image006.png](#)  
[image007.png](#)  
[HUD letter.pdf](#)

---

Dear Tom,

Duane Sand asked me to compile and send you the attached letter of intent for INHF to partner with HSEMD in the HUD resiliency program. Please let me know if there are any problems—I will be in tomorrow and can follow up, if needed.

Best,  
Andrea



**Andrea Piekarczyk**

Program & Development Assistant

**Iowa Natural Heritage Foundation**

505 Fifth Ave, Suite 444 / Des Moines, IA 50309

Office phone: 515.288.1846, Ext. 28

Fax: 515.288.0137

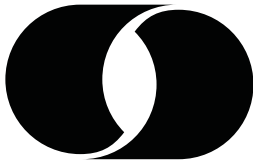


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LEOPOLD CENTER



## CURRENTS AND CURRENCIES Trends and Motivators for Better Water Management

March 2–3, 2015 | Iowa State University, Ames, Iowa

The Iowa Water Conference is a collaborative effort of the Ag and the Environment, Floodplain Management, and Stormwater Conferences. The goal of this partnership is to create greater awareness of Iowa urban and agricultural water issues through sustainable watershed management. For more information on the Iowa Water Center visit [www.water.iastate.edu](http://www.water.iastate.edu).

Stop by the many exhibits and displays in the first floor lobby area. Visit with suppliers of water quality related products and services. Vendors provide products and services related to construction site runoff control, post construction stormwater and watershed management, consulting and engineering services. Also view the educational and non-profit displays featuring the work of groups all across Iowa.

### Continuing Education

This conference has been approved for 11.0 core continuing education credits by ASFPM for Certified Floodplain Managers. A certificate of attendance is included with your registration materials as documentation for this and other continuing education credits. The conference has not been pre-approved for Certified Crop Adviser credits but CCAs may self-apply using the materials provided.

### Photo contest

Be sure to view the entries in the 2015 Iowa Water Conference photography contest, on display near the registration desk on 1st floor.



### Please recycle

Return name badge holders and lanyards to containers at the 1st floor registration desk for recycling or reuse. Containers are also available for recycling of white paper, such as this conference program.

**Conference schedule overview** - numbers in [brackets] refer to program page number  
 Monday, March 2, 2015

Time	1st and 2nd floor lobby	Benton Auditorium	250-252 Scheman	260-262 Scheman	275 Scheman	220-240 Scheman
7:30 AM	Registration, exhibits [17], posters [12]					
8:00				Optional workshop [3]		
10:00		Opening general session [3]				
12:00 PM						Lunch and awards presentation [4]
1:00		Ag and Environment [4]	Floodplain Management [4]	Producer Seminar [4]	Students in Water Workshop [4]	
1:30		Ag and Environment [4]	Floodplain Management [5]			
2:05		Break				IFSMA membership mtg [5]
2:45	Exhibits, posters	Stormwater [6]	Grassroots Watershed [5]	Current Technology [5]		
3:20		Stormwater [6]	Grassroots Watershed [6]			
3:55		Stormwater [6]	Grassroots Watershed [6]	Current Technology [6]		
4:30		General session [7]				
5:15	Adjourn					

Tuesday, March 3, 2015

Time	1st and 2nd floor lobby	Benton Auditorium	250-252 Scheman	260-262 Scheman	275 Scheman	220-240 Scheman
7:30 AM	Registration, exhibits [17], posters [12]					
8:15		General session [7]				
8:50		Stormwater [7]	Current Technology [7]	Watershed Mgmt Authority [8]		
9:25		Stormwater [8]	Current Technology [8]	Watershed Mgmt Authority [8]		
10:00		Stormwater [8]	Current Technology [8]			
10:30	Break					
10:45	Exhibits, posters	Ag and Environment [9]	Ecology and Wildlife [9]	Floodplain Management [9]		
11:20		Ag and Environment [9]	Ecology and Wildlife [9]	Floodplain Management [9]		
11:55		Ag and Environment [10]	Ecology and Wildlife [10]	Floodplain Management [10]		
12:30 PM						Lunch
1:00						Awards and speaker [10]
1:30		Closing general session [11]				
2:15						
3:00	Conference adjourns					Listening session [11]
5:00						

# Iowa Water Conference

## Conference program

Monday, March 2, 2015

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- 7:30 AM – 10:00 AM **Exhibitor setup**  
*1st floor lobby –*
- 7:30 AM – 5:15 PM **Registration desk open**  
*1st floor lobby –*
- 7:30 AM – 10:00 AM **Refreshments**  
*1st floor lobby –*
- 7:30 AM – 10:00 AM **Research and educational poster setup**  
 Display boards are not assigned and available on first-come basis. There will be a designated area for student contest poster. Only pre-registered posters may display at the conference.  
*2nd floor lobby – Poster session*
- 8:00 AM – 9:45 AM **The Art of Portland’s Green Infrastructure for Stormwater Management: Green Streets, Green Stewards, Green Roofs, Green Art. (optional workshop - additional fee applies)**  
*Henry Stevens, City of Portland, Oregon*  
 The Bureau of Environmental Services from the City of Portland, Oregon will cover the integration of green infrastructure into their stormwater management programs over the past twenty years. The integration of green streets, ecoroofs, planters, swales, trees, and floodplain management into their daily work, has been integral in managing their various development needs and regulatory requirements. They’ll also cover how well the facilities are performing, how they approach ongoing maintenance, and what they see as the most important issues and challenges in the future. Agenda items include: Portland’s stormwater management overview – CSO program, Stormwater Management Manual, funding, framework; Green streets – history (10+ years), challenges, coordination with other City Bureaus; Ecoroofs / green roofs – history (18+ years), incentives; Place-making – functional stormwater management while also incorporating multiple benefits, art; Performance monitoring – lessons learned for peak flow, volume retention, water quality, soils; Maintenance – activities, costs, challenges, the Green Street Stewards Program; Future / Innovation – challenges needing new tools and programs, what we see as the most important issues for us moving forward. (Please note an additional fee applies to attend this optional workshop. See registration materials for details.)  
*260-262 Scheman – Special Sessions*
- 10:00 AM – 10:10 AM **Welcome and Opening Comments**  
*Rick Cruse, Director, Iowa Water Center; Pat Sauer, Iowa Association of Municipal Utilities*  
*Benton Auditorium – Plenary Sessions*
- 10:10 AM – 11:00 AM **Feasibility of Drainage Water Capture for Irrigation in Iowa**  
*Christopher J. Anderson, Assistant Professor, Agronomy, Iowa State University*  
 Innovative water management is needed to increase production and improve environmental quality as growing conditions like 2013 become more frequent. This presentation discusses the feasibility of water captured from drainage for use as supplemental irrigation.  
*Benton Auditorium – Plenary Sessions*





# Iowa Water Conference

## Conference program

- 11:00 AM – 12:00 PM **Agricultural Runoff and Lake Erie: Past, Present, and Future**  
*Laura Johnson, Research Scientist, National Center for Water Quality Research, Heidelberg University*  
Agricultural phosphorus runoff is largely to blame for the harmful algal blooms on Lake Erie and subsequent shutdown of Toledo’s drinking water last summer. This talk will cover the history of phosphorous runoff that has plagued Lake Erie since the 1960s.  
*Benton Auditorium – Plenary Sessions*
- 12:00 PM – 12:55 PM **Lunch**  
*220-240 Scheman –*
- 12:30 PM – 12:55 PM **Presentation of the Spencer Award for Sustainable Agriculture**  
The Spencer Award honors the beliefs, innovations and stewardship of Norman and Margaretha Spencer, who farmed near Sioux City for 40 years. It serves as a lasting memorial to the Spencers, who believed that it is the obligation of each generation to leave the world a better and healthier place for the next generation. 2014 award recipients are Leigh Adcock and Steve Berger.  
*220-240 Scheman –*
- 1:00 PM – 1:30 PM **Perennial Easements for Improved Water Quality: Agroforestry Opportunities**  
*Jeff Jensen, Field Coordinator, Northwest Iowa, Trees Forever*  
Perennials on the landscape provide multiple benefits including significant improvements to water quality. Agroforestry is the intentional integration of forestry with agriculture to achieve environmental sustainability. Establishing perennial crops in agroforestry practices via perennial easements provides for long-term protection of natural resources through productive conservation.  
*Benton Auditorium – Agriculture and Environment Breakout Sessions*
- 1:00 PM – 1:30 PM **Golf, Trains and Highways – Addressing Three Unique Impairments to Brown’s Creek**  
*Kevin Biehn, Emmons & Olivier Resources, Inc.*  
A Minnesota Watershed District has recently completed three stream rehabilitation projects in their effort to improve the cold-water fishery of their namesake. Each of these projects addresses a distinctly different but common impairment of Midwestern streams.  
*250-252 Scheman – Floodplain Management Breakout Sessions*
- 1:00 PM – 2:05 PM **Producer Seminar**  
Agricultural producers are invited to an afternoon workshop intended to address issues pertaining especially to their unique impacts and issues with water management. Sessions include presentations on measuring soil health, including complimentary nitrate testing kits; newer practices in water management; social aspects of using conservation practices and shedding your “closet conservationist” tendencies. This session continues after the Monday afternoon break.  
*260-262 Scheman – Special Sessions*
- 1:00 PM – 2:05 PM **Students in Water Workshop**  
This session is designed for undergraduate and graduate students from across Iowa studying water related disciplines to network with each other, share information and activities, and discuss potentials for collaboration across institutions.  
*275 Scheman – Special Sessions*
- 1:35 PM – 2:05 PM **Farmer-led Efforts to Implement the Iowa Nutrient Reduction Strategy**  
*Sean McMahon, Executive Director, Iowa Agriculture Water Alliance*  
McMahon will discuss the Iowa Agriculture Water Alliance’s efforts to drive adoption of conservation practices to raise awareness of and help implement the Iowa Nutrient Reduction Strategy.  
*Benton Auditorium – Agriculture and Environment Breakout Sessions*



# Iowa Water Conference

## Conference program

- 1:35 PM – 2:05 PM **Bringing Life Back to Iowa's Shallow Lakes and Marshes**  
*Michael Shannon, Ducks Unlimited Regional Biologist, Iowa; Rick Verchota, Ducks Unlimited Engineer*  
Ducks Unlimited works with a variety of partners to restore Shallow Lake systems in north-central Iowa for native fish and wildlife populations, as well as people that depend on this resource. This program requires a variety of innovative solutions, from modifying land use practices to engineering water management systems, as well as working with legislators and decision makers to adopt sensible public policy.  
*250-252 Scheman – Floodplain Management Breakout Sessions*
- 2:05 PM – 2:45 PM **Break**  
Refreshments available in the 1st and 2nd floor lobby areas. Visit with poster authors on 2nd floor. Learn about the products and services available from the exhibits and displays on 1st floor.  
*1st and 2nd floor lobby areas –*
- 2:05 PM – 2:45 PM **Exhibits**  
*1st floor lobby –*
- 2:05 PM – 2:45 PM **Research and educational poster session**  
Poster displays about current water topics will be located in the 2nd floor lobby area and poster authors will be present during the Monday afternoon break. A full listing of poster topics will be available in the final program.  
*2nd floor lobby – Poster session*
- 2:05 PM – 2:45 PM **Student poster contest judging**  
Students entering the poster contest will be eligible for cash prizes for the top three entries, to be judged Monday from 2:05-2:45 p.m.  
*2nd floor lobby – Poster session*
- 2:05 PM – 2:45 PM **Iowa Floodplain and Stormwater Management Association (IFSMA) membership meeting.**  
IFSMA is an organization of professionals whose members are involved in floodplain management, flood hazard mitigation, stormwater management, the National Flood Insurance Program, flood preparedness, warning and recovery. At this meeting members discuss IFSMA activities and events and hold board member elections. For additional information visit [www.iowafloods.org](http://www.iowafloods.org).  
*275 Scheman – Special Sessions*
- 2:45 PM – 3:50 PM **Drainage Water Capture for Irrigation in Iowa: A Roundtable Discussion**  
*Christopher J. Anderson, Assistant Professor, Agronomy, Iowa State University*  
Attendees are invited to a roundtable discussion as a follow up to Dr. Anderson's presentation during the morning plenary session on the feasibility of capturing drainage water for irrigation on Iowa's landscapes. Participants will help guide discussion on potential benefits, pitfalls and logistics of the practice.  
*260-262 Scheman – Current Technology Breakout Sessions*
- 2:45 PM – 3:15 PM **Farmer Perspectives on Ecosystem Service Management and Targeted Conservation**  
*Emily Zimmerman, Graduate assistant, Natural Resource Ecology and Management, Iowa State University*  
This research investigates farmer perceptions of managing for non-market ecosystem services (e.g., enhanced water quality, wild life habitat, etc.) using a targeted conservation approach in two central Iowa watersheds.  
*250-252 Scheman – Grassroots Watershed Groups Breakout Sessions*



# Iowa Water Conference

## Conference program

2:45 PM – 3:15 PM

### **Two Case Studies in One Town: Bio-Swale and Permeable Pavement Installation in Davenport**

*Brian Stineman, City of Davenport*

This presentation will discuss the events that necessitated the construction of the area's first bio-swale as well as the methods used during construction, setbacks encountered and the benefits achieved by creating this stormwater practice.

*Benton Auditorium – Stormwater Breakout Sessions*

3:20 PM – 3:50 PM

### **The Need to Become Your Own Testplot: A Discussion of Iowa Farmers' Soil Health Management Adoption Rates and Implications**

*Sarah Mine, Research Analyst, Datu Research LLC*

Come explore Datu Research's findings on soil health management and soil testing adoption among Iowa farmers, as well as what is needed in order to get farmers more upfront economic benefit for conservation agriculture practices.

*250-252 Scheman – Grassroots Watershed Groups Breakout Sessions*

3:20 PM – 3:50 PM

### **IEDA Sponsored Water, Stormwater, and Wastewater Best Management Practices Template**

*Jeff Geerts, IEDA; Jim Patrick, City of Storm Lake; Tom Price, Conservation Design Forum; Neil Guess, Bolton & Menk*

The Iowa Economic Development Authority partnered with the city of Storm Lake to develop a model template demonstrating best practices community-wide for managing stormwater, drinking water and wastewater infrastructure in an integrated fashion. The template places an emphasis on green infrastructure practices to improve water quality and reduce stormwater runoff. This session will share the template developed and the city's plans for implementation of the template.

*Benton Auditorium – Stormwater Breakout Sessions*

3:55 PM – 4:25 PM

### **Towards an Integrated Flood Preparedness and Response in Iowa: Centralized Data Access, Analysis, and Visualization**

*Ibrahim Demir, Iowa Flood Center, IIHR-Hydroscience & Engineering, University of Iowa*

This session presents state-of-the-art web technologies and visualization systems for integrated flood preparedness and response in Iowa to support communities make better-informed decisions on the occurrence of floods, and alert communities in advance to help minimize damage of flooding.

*260-262 Scheman – Current Technology Breakout Sessions*

3:55 PM – 4:25 PM

### **All In for Positive Change: Establishing a Watershed Management Authority for the Fourmile Creek Watershed**

*Mark Land, P.E., CFM, Professional Engineer and Certified Floodplain Manager*

Watershed Management Authorities are an important tool in the effort to improve water quality and reduce flooding on a watershed basis. Learn how one authority was created and the key elements to a successful approach.

*250-252 Scheman – Grassroots Watershed Groups Breakout Sessions*

3:55 PM – 4:25 PM

### **Clinton Paves the Way: Permeable Pavers, Silva Cells, Biocells and SQR**

*Jason Craft, City of Clinton*

This project that was constructed in 2014 includes permeable pavers, Silva Cells, bioretention cells, and soil quality restoration. Iowa DNR and SRF Sponsored Project funding was used to fund the project.

*Benton Auditorium – Stormwater Breakout Sessions*





# Iowa Water Conference

## Conference program

4:30 PM – 5:15 PM

### **When Did Rain Water, a Resource, Become Storm Water, a Nuisance?**

*John Royster, ASLA ENV SP, Big Muddy Workshop, Inc.*

What we call things does matter. Words we choose to explain water issues directly influence the public's perception of the value of water. This interactive presentation will give participants ideas and tools for communicating ideas more effectively.

*Benton Auditorium – Plenary Sessions*

5:15 PM

### **Conference adjourns for the day**

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Tuesday, March 3, 2015

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7:30 AM – 3:00 PM

### **Registration desk open**

*1st floor lobby –*

7:30 AM – 10:00 AM

### **Refreshments**

*1st floor lobby –*

7:30 AM – 3:00 PM

### **Exhibits open**

*1st floor lobby –*

8:15 AM – 8:45 AM

### **Neonicotinoid Insecticides: What is All the “Buzz” About?**

*Dana Kolpin, Research Hydrologist, U.S. Geological Survey*

Neonicotinoid insecticides are prevalent in Midwestern streams during the growing season. Results suggest seed treatments contributing to stream concentrations. Chemical use and precipitation are important driving factors for off-field transport. Concentrations may exceed chronic aquatic toxicity values during the growing season.

*Benton Auditorium – Plenary Sessions*

8:50 AM – 9:20 AM

### **Satellite Soil Moisture for Iowa**

*Brian Hornbuckle, Associate Professor, Agronomy, Iowa State University*

New satellites are producing maps of soil moisture. Current soil moisture conditions are needed to make better weather forecasts. We are working to ensure that satellite soil moisture measurements match ground measurements in Iowa.

*250-252 Scheman – Current Technology Breakout Sessions*

8:50 AM – 9:20 AM

### **Stormwater Quality Planning for Municipalities: Assessing Runoff Quality to Identify Cost-effective Practices to Reduce Pollutant Loads**

*Eric Thompson, P.E., CFM, Stormwater Community of Practice Leader, MSA Professional Services, Inc.*

This session will present an effective approach for conducting stormwater quality assessments for urban areas. The presentation will focus on computer modeling and GIS applications for determining pollutant loads, evaluation of existing BMP effectiveness, and identifying and prioritizing opportunities for new management practices.

*Benton Auditorium – Stormwater Breakout Sessions*



# Iowa Water Conference

## Conference program

8:50 AM – 9:20 AM

### **Squaw Creek Watershed Management Authority Watershed Planning**

*Penny Brown Huber, Executive Director, Prairie Rivers of Iowa; Pat Conrad, Water Resource Planner, Emmons & Olivier Resources, Inc.*

The Squaw Creek Watershed Management Plan includes an innovative approach for meeting the Iowa Nutrient Reduction Strategy targets for nitrogen and phosphorus load reduction. A suite of recommended BMPs for the watershed was developed based on cost, nutrient reduction effectiveness and terrain suitability using the Agricultural Conservation Practice Framework (Tomer, et al) Tools.

*260-262 Scheman – Watershed Management Authority Breakout Sessions*

9:25 AM – 9:55 AM

### **Decreasing Dissolved Phosphorus Losses to Surface Waters with Phosphorus Removal Structures: A New Best Management Practice**

*Chad Penn, Oklahoma State University*

Dissolved phosphorus (P) transport to surface waters will be sustained from high P soils for decades. Few BMPs can address this water quality issues. P removal structures are a new technology for trapping dissolved P in drainage waters.

*250-252 Scheman – Current Technology Breakout Sessions*

9:25 AM – 9:55 AM

### **Street Sweeping and Urban Watersheds**

*Paula Kalinosky, Emmons & Olivier Resources*

Could enhanced street sweeping be a good fit for your watershed management plan? See how the results of recent street sweeping studies were applied to optimize street sweeping for water quality benefits in urbanized watersheds to find out.

*Benton Auditorium – Stormwater Breakout Sessions*

9:25 AM – 10:30 AM

### **Social Indicators Assessment – WMA Perspectives and Approaches**

*Jody Bailey, Watershed Coordinator, English River WMA; Jennifer Ryan Fencil, Environmental Services Director, East Central Iowa Council of Governments, Indian Creek WMA; Lora Friest, Executive Director, Northeast Iowa RC&D, Turkey River Watershed Management Authority*

Representatives from three Watershed Management Authorities will discuss surveys recently conducted to understand overall attitudes and awareness about watershed issues. The panelists will describe methods and results of the surveys, as well as lessons learned in survey development and distribution.

*260-262 Scheman – Watershed Management Authority Breakout Sessions*

10:00 AM – 10:30 AM

### **Iowa Daily Erosion Project 2.0**

*Brian Gelder, Associate Scientist, Iowa State University*

The Iowa Daily Erosion Project 2.0 is a statewide estimate of runoff, erosion, and soil moisture driven by near real-time weather and management inputs and LiDAR topography and SSURGO soils.

*250-252 Scheman – Current Technology Breakout Sessions*

10:00 AM – 10:30 AM

### **Walking the Talk – Coralville Stormwater Management Leadership**

*John Lundell, Mayor, City of Coralville*

Coralville not only talks, they also walk when it comes to Stormwater Management. They passed a new Post Construction Ordinance in April 2014 requiring that the Unified Sizing Criteria be used for stormwater management. This includes management of the water quality volume and specifies that any existing topsoil must remain on-site. The City also offers a cost share program to the public for installation of green infrastructure BMPs. The City Mayor has set an excellent example in his community by installing a permeable paver driveway.

*Benton Auditorium – Stormwater Breakout Sessions*

10:30 AM – 10:45 AM

### **Break**

*1st floor lobby –*



# Iowa Water Conference

## Conference program

- 10:30 AM – 10:45 AM **Exhibits**  
*1st floor lobby –*
- 10:45 AM – 11:15 AM **Nitrate Export from Drainage Districts in the Lyons Creek Watershed**  
*Charles Ikenberry, Ph.D Candidate, Agricultural and Biosystems Engineering, Iowa State University; Keith Schilling, Iowa Geological Survey, University of Iowa; Chris Jones, Iowa Soybean Association*  
Results of five years (2009-2013) of flow and nitrate monitoring from three tile outlets in the Lyons Creek watershed of the Boone River basin are presented. The discussion focuses on the magnitude, patterns, and trends of nitrate concentration and export.  
*Benton Auditorium – Agriculture and Environment Breakout Sessions*
- 10:45 AM – 11:15 AM **Riverine Wetland Monitoring in Iowa**  
*Jacklyn Gautsch, Natural Resources Biologist, Iowa Department of Natural Resources; Brandon Harland, Natural Resources Biologist, Iowa Department of Natural Resources*  
The condition of Iowa's riverine wetlands is poorly known. No historic information about the conditions of these ecosystems exists. The goal of this project was to assess the ecological condition of riverine wetlands in Iowa, and improve the quality and quantity of data available to resource managers.  
*250-252 Scheman – Ecology and Wildlife Breakout Sessions*
- 10:45 AM – 11:15 AM **Flood Preparedness Tools for Iowa**  
*Jeff Zogg, National Weather Service; Kris Lander, National Weather Service; Nathan Young, Iowa Flood Center*  
The National Weather Service and Iowa Flood Center will discuss their flood inundation mapping initiatives across the state. Flood inundation maps were recently released for the Mason City and Waterloo/Cedar Falls area.  
*260-262 Scheman – Floodplain Management Breakout Sessions*
- 11:20 AM – 11:50 AM **Conservation Drainage: Innovative Drainage Concepts that Provide Win-Win Solutions**  
*Chuck Brandel, P.E., Principal, Senior Civil Engineer, I+S Group*  
A fundamental shift is occurring in the way innovative rural drainage systems can interact with the landscape while providing water quality and securing financial and operational benefits for landowners and producers. This session will showcase model projects with measurable results.  
*Benton Auditorium – Agriculture and Environment Breakout Sessions*
- 11:20 AM – 11:50 AM **The Skunk River Navy: 17 Years Before the Mast**  
*Jim Colbert, Associate Professor of EEOB & Biology Program Director, Iowa State University*  
The Skunk River Navy is a service-learning activity sponsored by the Iowa State Biology Program. The intention is to expose ISU students to both the biological diversity of local streams, as well as to human impacts on those streams.  
*250-252 Scheman – Ecology and Wildlife Breakout Sessions*
- 11:20 AM – 11:50 AM **Non-structural Landuse Change Impacts on Structure Losses in Cedar River Communities**  
*Michael Siadek, US Army Corps of Engineers*  
This presentation highlights results from a recent Iowa Silver Jackets Non-Structural Measures Pilot effort. This pilot developed a HEC-RAS model for the Cedar River to evaluate potential structure losses for Cedar River communities across a range of frequency events.  
*260-262 Scheman – Floodplain Management Breakout Sessions*





# Iowa Water Conference

## Conference program

11:55 AM – 12:30 PM

### **Iowa Water Quality Initiative – Targeted Demonstration Projects**

*Matt Lechtenberg, Water Quality Initiative Coordinator, Iowa Department of Agriculture and Land Stewardship; Michelle Elliott, Winneshiek Soil and Water Conservation District*

In 2014, as part of the Water Quality Initiative, IDALS funded 13 Targeted Demonstration Watershed Projects within the priority HUC 8 watersheds. This presentation will provide an update of the current status of the projects and staff from the Winneshiek SWCD will provide an update on the Central Turkey River Nutrient Reduction Demonstration project.

*Benton Auditorium – Agriculture and Environment Breakout Sessions*

11:55 AM – 12:30 PM

### **Water Quality of Farmed Wetlands in Iowa**

*Vince Evlaiser, Iowa Department of Natural Resources*

Upland depressional wetlands are ecologically important for a variety of wildlife taxa including birds, amphibians, and reptiles. In Iowa, 90-95% of these wetlands have been drained and are now farmed intensively for row crops with the surrounding upland and acres of land. However, these drained (farmed) wetlands still pond surface water periodically in the spring and summer after snow melt or heavy rain events. Little research or monitoring has been done to document whether they provide critical habitat during these times for wetland dependent wildlife. To better understand the quality of farmed wetlands, Iowa DNR has collected water chemistry data for the past three years including analysis for common herbicides, insecticides, nutrients, and other basic water constituents. Additionally, samples were collected in 2014 to document the occurrence and magnitude of neonicotinoids, a group of pesticides of emerging concern in many parts of the world. This presentation will discuss the monitoring data and potential implications of the results for wildlife inhabiting the farmed wetlands.

*250-252 Scheman – Ecology and Wildlife Breakout Sessions*

11:55 AM – 12:30 PM

### **CRP Flood Reduction Benefits to Downstream Urban Areas**

*Chris Hawes, US Army Corps of Engineers*

This presentation will highlight the results from a USDA-Farm Service Agency/Corps of Engineers pilot effort that evaluated the economic benefits Conservation Reserve Program Lands provide to downstream urban areas in the Indian Creek, IA watershed.

*260-262 Scheman – Floodplain Management Breakout Sessions*

12:30 PM – 1:30 PM

### **Lunch**

*220-240 Scheman –*

12:50 PM – 1:00 PM

### **Awards presentation**

Presentatio of student poster contest awards, photography contest winners, and stormwater award.

*220-240 Scheman –*

1:00 PM – 1:30 PM

### **Accelerating Innovation, Productivity and Sustainability in U.S. Agriculture**

*Maree Deventer, Archer Daniels Midland Co.*

Food companies are taking a greater interest in environmental outcomes across their supply chains, and farmers are increasingly being asked to demonstrate the sustainability of their production practices at the field level. Field to Market seeks to create a common platform to define, measure and advance the sustainability of commodity crop production across the U.S.

*220-240 Scheman – Plenary Sessions*



# Iowa Water Conference

## Conference program

1:30 PM – 2:15 PM

### **Water Rights, Responsibilities and the Legal System**

*Neil Hamilton, Director, Drake Agricultural Law Center*

The Des Moines Water Works Board of Trustees recently voted to file an unprecedented lawsuit against three Iowa counties that contribute high levels of nitrates to Des Moines' drink water source, the Raccoon River. This session will outline the case, the legal underpinnings, and the potential implications the proposed lawsuit would bring to Iowa water management.

*Benton Auditorium – Plenary Sessions*

2:15 PM – 3:00 PM

### **White Paper Facilitation**

New for 2015 – the Iowa Water Conference brings together professionals and researchers representing a vast body of knowledge. This year, we will use your ideas and comments garnered throughout the conference to facilitate a white paper on water priorities in Iowa that can be presented to decision makers at local and state levels.

*Benton Auditorium – Plenary Sessions*

3:00 PM

### **Conference adjourns**

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3:00 PM – 5:30 PM

### **Federal Flood Risk Management Standard Draft Implementation Guidelines Listening Session**

Prior to implementation of the Federal Flood Risk Management Standard, federal agencies are seeking input from stakeholders on how to implement the new standard. To carry out this process, a draft version of the Implementing Guidelines are open for public comment. In addition, the Iowa Water Conference will serve as one of six listening sessions set up throughout the country. Conference attendees and the public are invited to attend this meeting after the conference for no additional charge.

*220-240 Scheman – Special Sessions*

Poster 1

Student  
contest

**Processes Controlling the Source, Movement, and Release of Soil Phosphorus in Midwestern Streams from Pasture and Crop Land**

*William Beck, Iowa State University - NREM, Ames, IA. wjbeck@iastate.edu*

A detailed three-year assessment of stream bank erosion and sediment-derived P contribution is occurring within the Walnut Creek watershed (Jasper County, Iowa). Assessments include estimation of stream bank recession, repeated channel cross section measurement, quantification of in-channel storage, and adsorption / desorption processes.

Poster 2

Student  
contest

**Navigating the Waters: Women Landowners and Water Quality in Iowa**

*Angie Carter, Iowa State University Graduate Program in Sustainable Agriculture and Department of Sociology, Ames, IA. carter@iastate.edu*

Women are an important demographic for conservation outreach. Women own or co-own approximately half of the farmland in the United States, yet rent this farmland to tenants at higher rates than their counterparts. How women farmland owners understand wetlands and water quality conservation has important influences upon their relationships with their tenants, co-owners, and, ultimately, the implementation of conservation on the landscape. In this poster, I analyze women farmland owners' attitudes and beliefs about water quality and wetlands. The data was collected in Iowa through a series of Women, Food and Agriculture Network-sponsored Learning Circles and Field Days focusing on wetlands, as well as from a series of in-depth interviews with women farmland owners.

Poster 3

Student  
contest

**Stream Meets Trash: A Relationship Still Being Sorted Out**

*Win Cowger, Iowa State University, Environmental Science, Ames, IA. wcowger@iastate.edu*

Streams are used as repositories for trash. The movement of trash through the stream is determined by morphological characteristics within the stream and exchanges of inputs and outputs by humans and the weather.

Poster 4

Student  
contest

**Hydrological Modeling of Enclosed Depressions in the Des Moines Lobe**

*Ligia Serrano, Iowa State University, Ames, IA. lserrano@iastate.edu*

Enclosed depressions, or potholes, are features without a natural outlet, formed in hydric landscapes, such as the Prairie Pothole Region (PPR). In their natural state, potholes favor the occurrence of a unique habitat that perform similarly to wetlands, especially during the summer, because of flood events after intense rainfalls. Due the lack of understanding of the impact of these features, the objective of this project is to use an appropriate watershed model to simulate its hydrological impacts in different conditions.

Poster 5

Student  
contest

**Using ArcGIS Hydrologic Modeling and LiDAR Digital Elevation Data to Evaluate Surface Runoff Interception Performance of Vegetative Buffers in Rock Creek Watershed, Central Iowa.**

*Manish Shrivastav, Iowa State University, Ames, IA. manishs@iastate.edu*

Performance evaluation of VFS.

Poster 6

Student  
contest

**Spatial and Temporal Distribution of Phosphorus in the Cedar River Watershed of North-East Iowa**

*Sushil Tuladhar, University of Northern Iowa, Cedar Falls, IA. sushil@uni.edu*

The purpose of this study was to assess spatio-temporal variation of phosphorus loads within the Upper Cedar River Watershed. Eighteen sites were sampled along the main channel Cedar River and six of its major tributaries. The phosphorus loads in the watershed ranged from 0.005 tons/day on October 10, 2014 to 34 tons/day on June 21, 2014.

Poster 7

Student  
contest

**Water Quality Enhancement in Lake LaVerne Using Vegetated Floating Islands as Public Art**

*Shelley Vrchota, Graduate Student, MDSusE - Iowa State University, Ames, IA. shelley.vrchota@gmail.com*

The water quality in Lake LaVerne is negatively impacted by excessive nutrient loading from surrounding stormwater runoff. Our goal is to introduce vegetated floating islands (VFI's) that are both aesthetically pleasing and efficient at improving water quality through nutrient uptake. We intend to engage community residents and stakeholders with our water quality improvement project through education and outreach, so that project outcomes are repeatable and may be adapted to other water bodies.



Poster 8 **Evaluation of Agricultural Emerging Contaminants (AECs) in the South Fork Watershed of the Iowa River using POCIS**

Student  
contest

*Maurice Washington, Iowa State University, Department of Agricultural & Biosystems Engineering, Ames, IA. mauricew@iastate.edu*

This research, is year one of a three year reconnaissance study investigating the occurrence of AECs in the South Fork Watershed of the Iowa RIVER.

Poster 9 **Long Term Impacts of Poultry Manure Application on Nutrient Losses to Drainage Water**

Student  
contest

*Chenkai Wu, Agricultural and Biosystems Engineering Department, Ames, IA. rexwu@iastate.com*

As over application exist, traditional fertilizer like urea ammonia usually has nutrient leaching and leads to an impairment of nearby water area of non point source pollution. Manure application may release the threaten of NPS pollution, and at the same time affect the yield.

Poster 10 **Towards an Integrated Flood Management: Iowa Flood Information System**

*Ibrahim Demir, Iowa Flood Center, University of Iowa, Iowa City, IA. ibrahim-demir@uiowa.edu*

This poster provides an overview of the Iowa Flood Information System (IFIS). IFIS is a one-stop web-platform to access community-based flood conditions, forecasts, visualizations, inundation maps and flood-related data, information, and applications. IFIS helps communities make better-informed decisions on the occurrence of floods, and alerts communities in advance to help minimize flood damages.

Poster 11 **A Collaborative Evaluation of Woodchip Bioreactors for Improved Water Quality**

*Natasha Hoover, Iowa State University, Ames, IA. nlhoover@iastate.edu*

Woodchip bioreactors are gaining popularity with farmers because of their edge-of-field nitrate removal capabilities, which do not require changes in land management practices. However, limited research has been conducted to study the potential of these bioreactors to also reduce downstream transport of contaminants commonly detected in manure amended cropland, including pathogens and phosphorous. Details of recently installed pilot-scale bioreactors at Iowa State University's Agricultural Engineering Research Farm are presented, along with the preliminary results of ongoing controlled laboratory-scale studies, paired with field-scale studies of bioreactor fecal indicator bacterial removal conducted in collaboration with Iowa Soybean Association's Environmental Programs and Services.

Poster 12 **Denitrification within Saturated Riparian Buffers Re-designed to Remove Nitrate from Artificial Subsurface Drainage**

*Thomas Isenhardt, Iowa State University, Ames, IA. tgroh@iastate.edu*

This poster discusses the ability of riparian buffers, saturated with tile drainage water, to remove nitrate. It is thought that this nitrate removal occurs via microbial denitrification, and therefore denitrification methodology and future plans are also highlighted.

Poster 13 **Urban Cut and Fill Areas: Know Your Starting Point**

*Sally Logsdon, USDA-ARS-NLAE, Ames, IA. sally.logsdon@ars.usda.gov*

We attempted to simulate construction activities by removing the topsoil, and compacting the area. We did not know that over 0.5 m of fill material had been added to the site a few decades before starting our experiment.

- Poster 14 Seasonal Discharge Forecasting over Iowa: Preliminary Results for the Raccoon River**  
*Gabriele Villarini, The University of Iowa, Iowa City, IA. gabriele-villarini@uiowa.edu*  
Iowa is plagued by catastrophic natural hazards on a yearly basis, with the 2008 flood and the 2012 drought being two of the most recent extreme events affecting our state. Unfortunately, the question is not if, but when, the next extreme event will happen. There is little we can do to prevent flooding or droughts but we can improve our preparedness for these events. Improved readiness relies on the availability of information that would allow Iowans to make more informed decisions about the most suitable water management strategy. This work examines the predictability of seasonal discharge (from low to high flow) for the Raccoon River at Van Meter with a lead time up to several months.
- Poster 15 Assessing Surface Flowpaths and Vegetative Buffers using ArcGIS Hydrologic Spatial Analysis and Digital Elevation Models for Rock Creek Watershed, Central Iowa**  
*David Webber, Iowa State University, Ames, IA. davw@iastate.edu*  
This study compared actual GPS ground-truthed flowpaths, contributing drainage areas, and vegetative buffers in Rock Creek watershed, central Iowa, to simulated surface flowpaths and drainage areas using ArcGIS hydrologic spatial analysis and digital elevation model (DEM) datasets. From these comparisons, the accuracy of DEM data (including high-resolution LiDAR data) is quantified using a map comparison analysis procedure for actual and simulated linear drainage features.
- Poster 16 National Water Quality Initiative (NWQI) Monitoring in the Black Hawk Lake Watershed**  
*Leigh Ann Long, Iowa State University, Ames, IA. lalong@iastate.edu*  
Three sub-watersheds within the larger Black Hawk Lake watershed in Sac and Carroll counties were selected in July 2014 to receive 5 years of intensive event-based and routine surface water quality and quantity monitoring. Preparations for this monitoring, supported by the National Water Quality Initiative (NWQI), began in August 2014; sampling will begin in March 2015 and will complement existing water quality monitoring within the watershed.
- Poster 17 Cedar Creek Partnership Watershed Project (WQI) 2014-2017**  
*Lanessa Baker, Wapello County SWCD, Ottumwa, IA. Lanessa.Baker@ia.nacdnet.net*  
An Iowa water quality initiative funded watershed project to reduce nutrient loads of nitrogen and phosphorus resulting from agricultural operations.
- Poster 18 Walnut Creek Watershed Project**  
*Daniel Case, IDALS-DSC, RedOak, IA. daniel.case@ia.nacdnet.net*  
Walnut Creek Watershed Project in Montgomery and East Pottawattamie Counties addresses soil and nutrient loss.
- Poster 19 Price Creek Watershed Project**  
*Rose Danaher, Iowa County Soil and Water Conservation District, Williamsburg, IA. rose.danaher@ia.nacdnet.net*  
The Price Creek Watershed Project is a local effort to remove the bacteria impairment from Price Creek in Iowa and Benton counties. Local Soil and Water Conservation Districts are working with watershed landowners to install conservation practices, limit livestock access to streams, upgrade waste storage facilities, improve manure management and replace failing septic systems.
- Poster 20 Central Turkey River Nutrient Reduction Demonstration Project**  
*Michelle Elliott, Winneshiek SWCD, Decorah, IA. michelle.elliott@ia.nacdnet.net*  
The Winneshiek SWCD is leading a grassroots effort to market water quality improvement practices to reach the goals of Iowa's Nutrient Reduction Strategy. Collaborations with local partners such as Northeast Iowa Community College and Northeast Iowa Dairy Foundation are bringing together education and community-wide focus to improving water quality.

**Poster 21 Rock Creek Watershed Project**

*Kari Gardner, Mitchell County SWCD, Osage, IA. kari.gardner@ia.nacdnet.net*

Rock Creek is a 44,787 acre watershed located in Mitchell, Worth and Floyd Counties in northeast Iowa. Rock Creek is a tributary of the Upper Cedar River. The main resource concerns of the Rock Creek Watershed are aquatic diversity and human recreation.

**Poster 22 Muchakinock Creek Watershed Project**

*Addie Hillmer, Mahaska County SWCD, Oskaloosa, IA. addie.hillmer@ia.nacdnet.net*

This poster describes the Muchakinock Creek watershed, some goals of the project, and project accomplishments and benefits.

**Poster 23 Badger Creek Lake Watershed Project**

*Anna MacDonald, Madison County Soil & Water Conservation District, Winterset, IA. Anna.MacDonald@ia.nacdnet.net*

Badger Creek Lake is the crown jewel of over 40 flood protection structures in the Badger Creek Watershed, but was listed as impaired in 1998 for excessive sediment and phosphorus loading. The current phase of the project began in 2013, and focuses on partnering with farmers and landowners to implement both structural and management practices in the lake's subwatershed covering 11,700 acres in Madison and Dallas Counties in central Iowa.

**Poster 24 Yellow River Headwaters Water Quality Project**

*Corey Meyer, Winneshiek SWCD, Decorah, IA. Corey.Meyer@ia.nacdnet.net*

The Winneshiek SWCD & Allamakee SWCD in concert with producers and fiscal sponsors are cooperating to implement stewardship practices on the headwaters of Iowa's largest coldwater stream. The BMP toolkit tailored for the project focuses on the reduction of bacteria, nutrient and sediment loading impairments on this ecological gem.

**Poster 25 Lake Meyer Water Quality Project and Phosphorus Reduction Project**

*Corey Meyer, Winneshiek SWCD, Decorah, IA. Corey.Meyer@ia.nacdnet.net*

The Winneshiek SWCD in cooperation with producers / fiscal sponsors are influencing the water quality of this watershed through the stewardship implementation. The BMP toolkit necessary for this watershed reflects the diversity of landscapes and impairments affecting it; including urban runoff, to excessive bacteria and phosphorus loading.

**Poster 26 Watershed Improvement Review Board**

*Jerry Neppel, Iowa Department of Agriculture and Land Stewardship, Des Moines, IA. jerry.neppel@iowaagriculture.gov*

Watershed-based water quality improvement funding program. This program is funded through state appropriations.

**Poster 27 Waterloo Creek Watershed**

*Justin Nie, Allamakee County SWCD, Waukon, IA. justin.nie@ia.nacdnet.net*

Waterloo Creek is a 30,610 acre watershed that starts in Houston, MN and dumps into Bear Creek in Allamakee County, IA. This has been a five year project and will be ending in December 2015. Waterloo Creek is the only high quality stream that is on the impaired waters list.

**Poster 28 The Silver Creek Watershed Project**

*Eric Palas, IDALS-DSC, Elkader, IA. eric.palas@ia.nacdnet.net*

This poster highlights landowner efforts to improve and protect Silver Creek, as led by the Clayton Soil and Water Conservation District.



**Poster 29 Silver Creek Water Quality Project**

*Neil Shaffer, Howard SWCD and Winneshiek SWCD, Cresco, IA. neil.shaffer@ia.nacdnet.net*

Silver Creek is a tributary of the Upper Iowa River located in Howard and Winneshiek counties in NE Iowa. The goal of the IA DNR section 319, IDALS and WIRB funded project is to reduce bacteria levels in the stream. A wide variety of best management practices have been implemented to reach this goal including construction of manure storage systems and adoption of nutrient management plans.

**Poster 30 Lower Skunk River Water Quality Initiative**

*Nathan Shelman, Henry, Lee, Van Buren, Jefferson SWCD's, Mt. Pleasant, IA. Nathan.Shelman@ia.nacdnet.net*

The Poster discusses the project's description, Benefits, Water monitoring, along with Education and Outreach offered to producers within the watershed.

**Poster 31 Little Bear Creek Watershed Project**

*Mindy Sieck, Poweshiek County Soil and Water Conservation District, Malcom, IA. mindy.sieck@ia.nacdnet.net*

The Little Bear Creek Watershed Improvement Project poster summarizes the creek impairment, goals, education and information efforts, and accomplishments to date.

**Poster 32 Dry Run Creek Watershed Improvement Project**

*Jeri Thornsberry, Black Hawk Soil and Water Conservation District, Waterloo, IA. ngthornsberry@msn.com*

Dry Run Creek is a 15,177 acre watershed which flows through residential, industrial and commercial areas including the city of Cedar Falls and the University of Northern Iowa before outletting into the Cedar River. In 2002 a segment of the southwest branch was listed on the State's 303(d) list of impaired waters due to a lack in the diversity and abundance of aquatic life. Urban and rural conservation practices have been installed to improve water quality within the watershed.

**Poster 33 Tete des Morts Creek Watershed Project: Reaching Out to the Public**

*Michelle Turner, Jackson SWCD, Maquoketa, IA. michelle.turner@ia.nacdnet.net*

Since 2009, the Tete des Morts Creek Watershed Project has put an emphasis on education and information, using a variety of outreach techniques.

**Poster 34 Lake Geode Water Quality Project**

*Caleb Waters, Des Moines County SWCD, Burlington, IA. caleb.waters@ia.nacdnet.net*

Water Quality Project for Lake Geode State Park in Southeast Iowa. Partners of the project are working to reduce total phosphorus and bacteria levels by implementing best management practices within the park and on private property.

**Poster 35 Miller Creek Water Quality Improvement Project**

*Shane Wulf, Black Hawk Soil and Water Conservation District, Waterloo, IA. shane.wulf@ia.nacdnet.net*

Beginning in January 2014, the 3-year Miller Creek Water Quality Improvement Project, led by Black Hawk Soil and Water Conservation District, began targeting the Miller Creek and Headwaters Miller Creek watersheds in south-central Black Hawk and north-eastern Tama Counties. The project supports the Iowa Nutrient Reduction Strategy by working to increase all producer's and landowner's collective knowledge of conservation practices designed to reduce nutrient runoff from non-point sources by improving water quality and soil health.

### Commercial exhibit

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### Applied Ecological Services, Inc.

<http://www.appliedeco.com>

Applied Ecological Services (AES) is a broad-based ecological consulting and contracting firm with over 35 years of experience “bringing the science of ecology to land use decisions.” AES applies science to provide practical land use solutions that strike the most favorable balance between cultural needs, cost efficiencies, and ecological sustainability. Our knowledge of ecological systems provides a solid foundation for creating balanced ecological designs and solutions that are sustainable, cost-effective, and enduring.



### Bolton & Menk, Inc.

<http://www.bolton-menk.com>

Bolton & Menk, Inc. provides engineering services in the areas of water resources, municipal, water and wastewater treatment, and transportation. The firm also offers environmental review, GIS mapping, and landscape architecture services. Our staff of 350 professionals and technicians is available to assist clients in meeting the ever-increasing demand for quality engineering services. The firm operates 14 offices throughout Minnesota, Iowa and North Dakota.



### Coleman Moore Company

<http://www.colemanmoorecompany.com>

Coleman Moore Company provides Iowa's Erosion Control and Stormwater professionals with technical support, products and expertise. From the unique to the everyday we're here to assist.



### Emmons & Olivier Resources, Inc.

<http://www.eorinc.com>

Emmons & Olivier Resources, Inc. is a collaborative group of environmental and design professionals passionate about protecting our waters, restoring healthy ecosystems, and enhancing our community's unique sense of place. We are an employee owned, multi-disciplinary water resource-based firm that specializes in: - water-resources engineering, watershed planning, and modeling, - environmental compliance, biological surveying, and restoration, - sustainable site design, planning, and landscape architecture



### ISG

<http://www.is-grp.com>

ISG (I+S Group) is a full service firm that provides high-level architecture, engineering, environmental and planning services with seven offices throughout Minnesota, Iowa and Wisconsin. We deliver high quality drinking water, surface water, stormwater and wastewater technologies and solutions for our clients and communities. Visit us at [www.is-grp.com](http://www.is-grp.com).



### OTT Hydromet

<http://www.otthydromet.com>

OTT Hydromet helps water resource professionals generate reliable data throughout the entire water cycle. We go beyond simply providing solutions by partnering with our customers in designing effective answers to the challenges they encounter in their vital role of monitoring the world's water.



## Iowa Water Conference

### Exhibitors



#### Quick Supply Company

<http://www.quicksupplydm.com>

Quick Supply Company provides innovative site solution products for erosion & sediment control, stormwater management, and geotechnical soil stabilization.



#### RDG Planning & Design

<http://www.rdgusa.com>

RDG Planning & Design is an integrated firm of design professionals focused on restoring and creating resilient spaces. From city plazas to buildings and communities to parks and greenways, our work supports an integrated living system of water, air, plants and soils by mimicking the biotic functions of life. We create environments that work in harmony with the landscape to promote sustainable, healthy systems that bring together both humans and the planet. A sampling of water resource services include: Watershed Planning, Stream Restoration, Low Impact Development, Green Infrastructure Design and Rainwater Harvesting.



#### Roof Top Sedums LLC

<http://www.rooftopsedums.com>

We are a licensed grower and representative for the LiveRoof Hybrid Green Roof System and the LiveWall Vertical Greening System. Both systems are designed for simple installation, instant owner satisfaction and growing plants successfully with low maintenance.



#### Upstream Technologies

<http://upstreamtechnologies.us>

Upstream Technologies: Are you dealing with post-construction stormwater sediment? The SAFL Baffle is Patented, 100% stainless steel, made in the USA, developed and tested for 4 years at the University of Minnesota – St. Anthony Falls Laboratory (SAFL). Considered a “pretreatment” with 100’s of installations throughout the United States and 3rd party (municipality) proven results capturing twice the sediment within existing sump manholes. It retrofits into existing manholes, reduces maintenance of downstream BMP’s (filters, pond dredging), only 45 minutes to install, and costs far less than alternative devices. The only maintenance required is to have a vacuum truck remove the captured sediment once or twice a year. Check out [www.UpstreamTechnologies.us](http://www.UpstreamTechnologies.us) or call 651-237-5123 for more information and pricing.



### Non-profit or educational display

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#### **ATEEC**

<http://www.ateec.org>

The Advanced Technology Environmental and Energy Center (ATEEC, [www.ateec.org](http://www.ateec.org)) was established in 1994 as an NSF Advanced Technology Education (ATE) Center of Excellence. Our mission is to advance environmental and energy technology education through curriculum, professional, and program development. ATEEC provides professional development, guides program improvement, designs and develops curriculum and instructional materials, and much more. Our vision is to foster a network of educational communities, supported through public and private partnerships, which ensure human health, safety, and global sustainability. Our most recent publications include Best Practices Guide for Developing Educational Programs: Environmental and Energy Technology, Defining Water Management, and Regional Water Conversations. For the latter report, ATEEC facilitated a series of six regional water forums. The conversations allowed us to obtain a snapshot view, from water experts across the country, of new and existing water management jobs and determine regional employment opportunities. This information has been compiled into a series of reports and charts. To see these reports and others, please visit [ateec.org](http://ateec.org).



#### **English River Watershed Management Authority**

<http://www.englishriverwma.org>

The English River watershed is a 630 square mile watershed in southeastern Iowa that drains into the Lower Iowa River valley. The English River Watershed Management Authority was established in 2013 and is a coalition of cities, counties, and Soil & Water Conservation Districts. The WMA is a cooperative, interagency effort to address flooding, erosion, and water quality issues through communication, education, incentives and funding.



#### **Iowa Children's Water Festival - Iowa Association of Water Agencies**

<http://www.iowachildrenswaterfestival.org>

The exhibit is to increase awareness of the festival and the opportunity for organizations to participate in its educational format.



#### **Iowa Department of Agriculture & Land Stewardship**

<http://www.cleanwateriowa.org>

Iowa Water Quality Initiative is a voluntary, science and technology based initiative. It's for all Iowans; farmers, homeowners, and cities/industries. The Water Quality Initiative provides financial assistance to implement and demonstrate conservation practices. It allows Iowans to continue to the proud tradition of leaving the land and water in better shape for future generations.



## Iowa Water Conference

### Exhibitors



#### **Iowa Environmental Council**

<http://www.iaenvironment.org>

The Iowa Environmental Council is an alliance of diverse organizations and individuals working together to protect Iowa's natural environment. Our Mission: A safe, healthy environment and sustainable future for Iowa. Our Action: The Iowa Environmental Council actively works in public policy to provide a safe, healthy environment for all Iowans. We focus on public education and coalition building to give Iowans a voice.



#### **Iowa Flood Center**

<http://www.iowafloodcenter.org>

The Iowa Flood Center at the University of Iowa works to provide accurate, science-based information to help Iowans better understand flood risks. This includes improving flood monitoring, prediction, and developing strategies to mitigate future flood events.



#### **Iowa Floodplain and Stormwater Management Association**

<http://iowafloods.org>

Iowa Floodplain and Stormwater Management Association (IFSMA) is an organization of professionals whose members are involved in floodplain management, flood hazard mitigation, stormwater management, the National Flood Insurance Program, flood preparedness, warning and recovery. The core of our organization's purpose is to positively promote flood risk education throughout the state of Iowa, focusing on the following five main objectives: 1) Increase awareness of the role floodplains play in conveying floodwaters and flood risks to structures that are built in the floodplain, 2) Increase participation in the National Flood Insurance Program (NFIP), 3) Increase participation of NFIP communities in the Community Rating System (CRS)®, 4) Increase the number of Certified Floodplain Managers (CFMs)® in the state of Iowa, and 5) Increase membership in IFSMA.



#### **Iowa Learning Farms and Water Rocks!**

<http://www.extension.iastate.edu/ilf> and <http://www.waterrocks.org>

Iowa Learning Farms is building a Culture of Conservation, calling attention to improved water and soil quality through conservation farming practices.

Water Rocks! is a statewide youth water education program centered on all things water! Combining science, technology, engineering, and mathematics (STEM) and the arts, Water Rocks! seeks to engage and inspire youth on topics of water, soil, and natural resources.



#### **ISWEP**

<http://IowaStormwater.org>

Stormwater education and outreach, certification and training programs.



#### **Leopold Center for Sustainable Agriculture**

<http://www.leopold.iastate.edu>

The Leopold Center for Sustainable Agriculture is a research and education center at Iowa State University created to identify and reduce negative environmental impacts of farming and develop new ways to farm profitably while conserving natural resources.



## Iowa Water Conference Exhibitors



### Natural Resources Conservation Service – Iowa

<http://www.ia.nrcs.usda.gov>

USDA-NRCS programs in Iowa, soil health information.



### Rathbun Land and Water Alliance

<http://www.rlwa.org>

Rathbun Lake Protection Efforts



### Southfork Watershed Alliance

<http://southforkwatershed.org>

The South Fork water quality project began in May 1999 with a group of interested residents and business leaders who indicated support in establishing a comprehensive watershed program. The focus of the Alliance is to improve and enhance the current environmental and water quality status within the watershed of the South Fork of the Iowa River. Together with Tipton and Beaver Creek, the South Fork drains approximately 200,000 acres in Hardin, Hamilton, Franklin and Wright counties.



### Trees Forever

<http://www.treesforever.org>

At Trees Forever, we do more than just plant trees! We care about the environment; about our urban forests, our rural lands, the communities we live in and our fellow citizens. Our nonprofit charitable organization, headquartered in Marion, Iowa, was founded in 1989, and continues today with our commitment to connect people to the environment through the planting and care of trees, prairie, and other natural areas.



### U.S. Geological Survey

<http://ia.water.usgs.gov>

The U.S. Geological Survey's (USGS) mission is to provide reliable scientific information about the Nation's natural resources. An integral part of that mission is to provide consistent, long-term water-resources data to customers, cooperators, and the public. To accomplish our mission, we operate a widespread surface and ground-water data collection network as well as research a wide range of scientific issues throughout Iowa.



**From:** [Bill Peterson](#)  
**To:** [Oswald, Tom \[HSEMD\]](#)  
**Cc:** [Covington, William \[HSEMD\]](#); [Cara Morgan](#); [melvyn.houser@pottcounty.com](mailto:melvyn.houser@pottcounty.com)  
**Subject:** RE: HUD resiliency grant  
**Date:** Friday, February 20, 2015 11:50:14 AM  
**Attachments:** [ISAC Letter of Intent - NDRC - 150220.pdf](#)  
[2015ISACAffiliateOfficers.pdf](#)

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Tom:

I have attached a copy of the signed letter of intent. I have also attached a copy of the list of affiliate officers of the association so that you can contact any of the affiliate presidents that may be partners in this process. Please let me know if I can be of further assistance.

Thanks, Bill.

Bill Peterson, Executive Director  
Iowa State Association of Counties  
E-mail: [bpeterson@iowacounties.org](mailto:bpeterson@iowacounties.org)  
Direct: 515.369.7009, Fax 515.244.6397  
Cell: 515.240.1562

---

**From:** Oswald, Tom [HSEMD] [<mailto:thomas.oswald@iowa.gov>]  
**Sent:** Friday, February 20, 2015 10:33 AM  
**To:** Bill Peterson  
**Cc:** [Covington, William \[HSEMD\]](#); [Cara Morgan](#); [melvyn.houser@pottcounty.com](mailto:melvyn.houser@pottcounty.com); [Oswald, Tom \[HSEMD\]](#)  
**Subject:** RE: HUD resiliency grant

Bill,

Thank you that looks great. The only thing I would change is in the second paragraph and that it to change the word "Division" to "Department"

Do you have guidance for us how and who we talk to, to approach the affiliates? I think the supervisors and secondary roads would be key affiliates.

Tom

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**From:** Bill Peterson [<mailto:bpeterson@iowacounties.org>]  
**Sent:** Friday, February 20, 2015 10:15 AM  
**To:** Oswald, Tom [HSEMD]  
**Cc:** [Covington, William \[HSEMD\]](#); [Cara Morgan](#); [melvyn.houser@pottcounty.com](mailto:melvyn.houser@pottcounty.com)  
**Subject:** RE: HUD resiliency grant

Tom:

I have attached a draft of a letter. I am wondering if this will meet your needs. If this looks okay, let me know and we will finalize it and send it over.

Thanks, Bill.

Bill Peterson, Executive Director  
Iowa State Association of Counties  
E-mail: [bpeterson@iowacounties.org](mailto:bpeterson@iowacounties.org)  
Direct: 515.369.7009, Fax 515.244.6397  
Cell: 515.240.1562

---

**From:** Oswald, Tom [HSEMD] [<mailto:thomas.oswald@iowa.gov>]  
**Sent:** Monday, February 16, 2015 3:54 PM  
**To:** Bill Peterson  
**Cc:** Oswald, Tom [HSEMD]; Covington, William [HSEMD]; Cara Morgan  
**Subject:** HUD resiliency grant

Bill,

Thank you for the opportunity to present to the board last Friday to discuss the HUD Disaster Resiliency Competition.

It was noted that it would be appropriate to discuss and seek partnerships with some of the affiliates, especially secondary roads, conservation boards and emergency managers. What would be the best way to proceed with roads (Steve Devries, who we have worked with in the past?) and conservation (not sure who)? We have obvious affiliation with emergency managers.

The board indicated I should work with you to develop a letter of intent. I sent a draft letter to Cara Marker-Morgan which I believe she forwarded to you.

I can give you a call tomorrow morning if that works for you. Is 369.7009 the best number to call?

Thanks.

Tom

***Tom Oswald***

Deputy Operations Officer  
Recovery Division  
Iowa HSEM  
7900 Hickman Road, Suite 500  
Windsor Heights, IA 50324

515-729-4593 (cell)  
515-725-9357 (desk)  
515-725-9408 (fax)  
[tom.oswald@iowa.gov](mailto:tom.oswald@iowa.gov)

**From:** [Oswald, Tom \[HSEMD\]](#)  
**To:** ["Lawrence, John D \[VPEO\]"](#)  
**Cc:** [Turba, Jessica \[HSEMD\]](#); [Oswald, Tom \[HSEMD\]](#); [Covington, William \[HSEMD\]](#); [Gioffredi, Larry \[HSEMD\]](#)  
**Subject:** RE: HUD Resilience Competition  
**Date:** Thursday, March 12, 2015 10:43:26 AM  
**Attachments:** [B-10 Most Impacted Sub-County Areas.pdf](#)

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John,

You are correct regarding Bee Branch in Dubuque. The City of Dubuque is a unique portion of the application and is included as part of the package since Iowa can submit only one application.

I apologize I was unclear, but we are emphasizing the bulk of our proposal to work within the agricultural watershed using the existing programs through IDALS, DNR, NRCS, WMA's etc. The attached map of most impacted sub-county areas (HUD criteria) was completed after I sent you the original email and it clearly shows many areas around the state where we can work with agricultural watersheds

Having worked in watershed programs in the past, I am well aware of the capabilities of ISU Extension and had worked extensively with Jerry Miller and others within Extension in the Section 319 NPS program and others. We intend on requesting those resources as we progress, under the hope HUD will invite us to Phase 2 which requires us to develop formal partnership agreements. I think the human component of working within the ag. community is where we are lacking and I anticipate the sociological aspect of grower decision-making will be an important aspect.

What is currently on the web site is an early draft to meet the requirements of public notice and comment. We continue to work on the application and I anticipate the agricultural component will more clearly be identified. Based on your initial review it seems apparent that needs strengthening.

Please be assured we appreciate your initial comments want your critical review of the final Phase 1 product.

Tom

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**From:** Lawrence, John D [VPEO] [<mailto:jdlaw@iastate.edu>]  
**Sent:** Thursday, March 12, 2015 8:56 AM  
**To:** Oswald, Tom [HSEMD]  
**Cc:** Turba, Jessica [HSEMD]  
**Subject:** RE: HUD Resilience Competition

Tom

I gave your proposal a quick review. Because it appears that the Bee Creek watershed is within in the city limits, I am out of my agricultural comfort zone. I do think you have the right partners involved. I am impressed with the modeling work that the Iowa Flood Center does and Director Weber and his team are familiar with the expertise at Iowa State University that they can call upon. Similarly, Director Cruse at the Iowa Water Center is on faculty at ISU and knows the resources. Weber chairs the Iowa Water Center board and works well with Cruse. IDALS and NRCS resources are also experienced and accessible.



The other resource at Iowa State that may be of value to the team is Extension and Outreach. While more at home in a rural watershed, some individuals within ISUEO are very experienced in working with people living in watersheds and how their decisions impact the goals of the watershed. These folks typically work with farmers and small communities and the challenge is typically sediment and nutrients rather than flooding. We also have staff that work with youth (4-H) that are an effective way to educate and engage families and staff that work with families regarding financial management and health. Cruse of the Iowa Water Center is familiar with these people and will be able to bring them to the table if the ISUEO skills are needed.

I appreciate the opportunity to review the proposal. If there is a rural portion of this project that I missed or a rural portion of future projects please contact me. Iowa State University Extension and Outreach would be a good partner to such a project.

John

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**From:** Oswald, Tom [HSEMD] [<mailto:thomas.oswald@iowa.gov>]  
**Sent:** Tuesday, March 10, 2015 9:21 AM  
**To:** Oswald, Tom [HSEMD]; Lawrence, John D [VPEO]  
**Cc:** Turba, Jessica [HSEMD]  
**Subject:** RE: HUD Resilience Competition

[http://www.homelandsecurity.iowa.gov/disasters/hazard\\_mitigation.html#hudapplication](http://www.homelandsecurity.iowa.gov/disasters/hazard_mitigation.html#hudapplication)

John,

Sorry for the delay, but both Jessica and I were on sick leave yesterday. This iteration will be greatly refined but it does give you the gist of the application.

Tom

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**From:** Oswald, Tom [HSEMD]  
**Sent:** Saturday, March 07, 2015 9:55 AM  
**To:** 'jdlaw@iastate.edu'  
**Cc:** Turba, Jessica [HSEMD]; Harper, Dennis [HSEMD]; Hall, Pat [HSEMD]; Schouten, Mark [HSEMD]; Oswald, Tom [HSEMD]  
**Subject:** Re: HUD Resilience Competition

John,

Excellent, thank you.

I will ask Jessica Turba to send you our web address that has the current iteration now out for public comment for your initial review. I would suggest you contact her for additional details of this phase, unless she contacts you first.

Thanks again.

Tom.

Tom Oswald

Homeland Security and Emergency Management

State Lead PAC  
515.729.4593 c  
515.253.2591 o  
Sent by Blackberry

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**From:** Lawrence, John D [VPEO] [<mailto:jdlaw@iastate.edu>]  
**Sent:** Friday, March 06, 2015 06:49 PM  
**To:** Oswald, Tom [HSEMD]  
**Cc:** Turba, Jessica [HSEMD]; Harper, Dennis [HSEMD]; Hall, Pat [HSEMD]  
**Subject:** RE: HUD Resilience Competition

Tom

Sorry for not getting back to you sooner. Yes, I would be happy to review the proposal. I should be able to meet your deadline.

John

---

**From:** Oswald, Tom [HSEMD] [<mailto:thomas.oswald@iowa.gov>]  
**Sent:** Friday, March 06, 2015 9:29 AM  
**To:** Lawrence, John D [VPEO]  
**Cc:** Turba, Jessica [HSEMD]; Harper, Dennis [HSEMD]; Hall, Pat [HSEMD]; Oswald, Tom [HSEMD]  
**Subject:** HUD Resilience Competition

Dr. Lawrence,

My name is Tom Oswald and I am with the Iowa Department of Homeland Security and Emergency Management. We are developing a grant administered by HUD called the *National Disaster Resilience Competition* and our effort focuses on reducing the peak flow by going into the watershed to implement best practices. <https://www.planning.org/resilience/>

We are working with IDALS, DNR, the Iowa Water Center (Rick Cruse), the Iowa Flood Center (Larry Weber) as primary state entity partners. In addition, we are consulting NRCS, USACE, NWS, USGS, and EPA. We are also partnering with the commodity groups – ISBA, ICGA, IAWA, as well as IFBF. Also the Iowa League of Cities, Iowa State Association of Counties, Iowa Association of Water Agencies and the Iowa Floodplain and Stormwater Management Association as well as TNC, INHF and IEC. We will ask additional organizations to partner as we proceed.

The concept is to add to the existing framework within watershed programs and projects to mutually leverage and merge Iowa's water issues to more formally include reducing flood peaks. We intend to use existing best practices currently utilized to reduce soil erosion, improve soil health, and improve water quality as included in, but not exclusively, the *Iowa Nutrient Reduction Strategy* and *Iowa's Non-Point Source Management Plan*.

In discussions with the Governor's office, Bill Northey and Chuck Gipp along with my director Mark Schouten, it was recommended we request your assistance in reviewing the Phase 1 application prior to our submittal to HUD, which is due March 16. Once the application is reviewed, and if found to meet their criteria, we will be invited to submit a Phase 2 proposal identifying projects and developing agreements with our partners. Once again we would request your review.

If you wish to learn more about the competition and our request prior your decision, please contact Jessica Turba who is the lead on program requirements. She can be reached at [Jessica.turba@iowa.gov](mailto:Jessica.turba@iowa.gov), her land line is 515-725-9383. My contact information is below and I would also participate on any discussion related the project component.

We look forward to hearing from you.

Respectfully,  
Tom Oswald

***Tom Oswald***

Deputy Operations Officer  
Recovery Division  
Iowa HSEM  
7900 Hickman Road, Suite 500  
Windsor Heights, IA 50324

515-729-4593 (cell)  
515-725-9357 (desk)  
515-725-9408 (fax)  
[tom.oswald@iowa.gov](mailto:tom.oswald@iowa.gov)



**From:** [Cruse, Richard M \[AGRON\]](#)  
**To:** [Covington, William \[HSEMD\]](#); [Turba, Jessica \[HSEMD\]](#)  
**Cc:** [Oswald, Tom \[HSEMD\]](#)  
**Subject:** RE: methodology support  
**Date:** Thursday, March 12, 2015 8:52:13 AM

---

BJ:

Thanks much. This helps big time. I certainly can do that. Have meetings now, but will get this to you today.

Rick

---

**From:** Covington, William [HSEMD] [<mailto:William.Covington@iowa.gov>]  
**Sent:** Thursday, March 12, 2015 8:35 AM  
**To:** Cruse, Richard M [AGRON]; Turba, Jessica [HSEMD]  
**Cc:** Oswald, Tom [HSEMD]  
**Subject:** RE: methodology support

Rick,

I think you have articulated both the issue that we face in this state, it's contribution to more extreme flooding events, and the elegance that the proposed solution provides in terms of (relative) simplicity while addressing the needs of communities as well as improving production and reducing environmental impacts. The final component that Jessica thinks HUD wants to see is a nod to the monetary values that can be assigned to the unmet needs, which we used a conservative value of \$25 for cover crops based on the IDALS conservation program (which is a 50/50 match from what we discussed). Can you incorporate this value into the letter as well?

Thanks,

BJ

---

**From:** Cruse, Richard M [AGRON] [<mailto:rmc@iastate.edu>]  
**Sent:** Wednesday, March 11, 2015 5:27 PM  
**To:** Turba, Jessica [HSEMD]  
**Cc:** Covington, William [HSEMD]; Oswald, Tom [HSEMD]  
**Subject:** RE: methodology support

Hi Jessica:

I have been pondering the statement below more. Let me ramble a bit; perhaps this has little or no value, but in my mind it might fit (and fit well). My words will likely not resonate well with DHS culture, but you might be able to make them resonate (if of value).

Erosion itself creates damage, both on site (in the fields) and off site (reservoirs and flood plain water storage reduction, for example) that will lead to higher flood flows. Further, once soil erodes, it is more susceptible to erosion from subsequent events. The degradation of soil from erosion causes lost resilience against subsequent damage from similar rainstorms. Further, lost soil reduces the capacity to store water in the uplands against immediate runoff. Let me explain with an example.

If we pour a gallon of water on a concrete surface, the water runs off. There is nothing to hold water in place. If we dump one ton of soil on the concrete and pour one gallon of water on the soil setting on the concrete, NOTHING runs off. We could add upwards of 200 gallons of water to one ton of topsoil before its pore space becomes full and runoff occurs. Removing soil from that pile of soil on the concrete reduces the capacity of that landscape to retain water from runoff.

In our agricultural landscape the concrete is synonymous with the water table found across the landscape. During heavy rain events or rainy periods, having soil residing above the water table retains water from running off as soil on the concrete retains water against runoff. As we progressively move soil from the hill slopes and to reservoirs and flood plains, we not only reduce the storage capacity of the receiving structures, we reduce the storage capacity of the uplands very similar to the concrete example above. This environmental damage amplifies future flood threats and is absolutely not addressed by any program or practice currently. The Iowa Daily Erosion Project articulates where this damage is worst.

One additional fact – typically damaged soil not only retains less water because there is less soil to retain water, the damaged soil does not allow water to infiltrate as rapidly as undamaged soils. To minimize flood damage we need both infiltration capacity AND storage capacity. Erosion reduces both.

I am guessing you know all of this already, but had to say just in case. Let me know how this might fit (or may absolutely not fit at all). Always happy to help and support.

Rick

---

**From:** Turba, Jessica [HSEMD] [<mailto:Jessica.Turba@iowa.gov>]

**Sent:** Wednesday, March 11, 2015 2:12 PM

**To:** Cruse, Richard M [AGRON]

**Cc:** Covington, William [HSEMD]; Oswald, Tom [HSEMD]

**Subject:** methodology support

Rick,

BJ and I are comparing this letter to the requirements for the “unmet recovery need” documentation and have one question. Does this methodology support a dollar value of damage (from the qualified disasters) related to the environmental degradation and what cumulatively would that be?

Based on the threshold analysis BJ & Team were able to determine by sub-county area environmental damage and a dollar amount (assuming all conditions still exist). The letter we provide to HUD will need to indicate that there is remaining damage from the disaster events of \$400,000 or more across the sub-county areas. Is that something you could provide as part of this letter?

Let me know if you have any questions. BJ is on the road today, but should have access to email as well. I am copying below the exact requirement from the Application Notice:

1. *Environmental Degradation that threatens long-term recovery of critical natural resources and places housing, infrastructure, and/or economic revitalization at risk.* Is there environmental damage from the disaster that has not yet been addressed and cannot be addressed with existing resources? If no, you do not have Unmet Recovery Needs for this subfactor. If yes:

**Describe the remaining damage and how the damage is connected with the disaster and the most impacted target area.** Applicants must describe the remaining damage with a cost estimate for making repairs that is \$400,000 or greater and support with references to any studies supporting the claim.

*Acceptable data source (any one of these)* is a detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification after March 2014 indicating that there is remaining damage of \$400,000 or more.

Regards,

**Jessica Turba**

State Hazard Mitigation & Disaster Recovery Planner

Iowa Homeland Security and Emergency Management Department, Recovery Division

7900 Hickman Rd, Suite 500 • Windsor Heights, IA 50324

[p] 515.725.9383 • [f] 515.725.9408

[w] [www.homelandsecurity.iowa.gov](http://www.homelandsecurity.iowa.gov)



**From:** [Oswald, Tom \[HSEMD\]](#)  
**To:** [Oswald, Tom \[HSEMD\]](#); "[jdlaw@iastate.edu](mailto:jdlaw@iastate.edu)"  
**Cc:** [Turba, Jessica \[HSEMD\]](#)  
**Subject:** RE: HUD Resilience Competition  
**Date:** Tuesday, March 10, 2015 9:21:21 AM

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[http://www.homelandsecurity.iowa.gov/disasters/hazard\\_mitigation.html#hudapplication](http://www.homelandsecurity.iowa.gov/disasters/hazard_mitigation.html#hudapplication)

John,

Sorry for the delay, but both Jessica and I were on sick leave yesterday. This iteration will be greatly refined but it does give you the gist of the application.

Tom

---

**From:** Oswald, Tom [HSEMD]  
**Sent:** Saturday, March 07, 2015 9:55 AM  
**To:** 'jdlaw@iastate.edu'  
**Cc:** Turba, Jessica [HSEMD]; Harper, Dennis [HSEMD]; Hall, Pat [HSEMD]; Schouten, Mark [HSEMD]; Oswald, Tom [HSEMD]  
**Subject:** Re: HUD Resilience Competition

John,

Excellent, thank you.

I will ask Jessica Turba to send you our web address that has the current iteration now out for public comment for your initial review. I would suggest you contact her for additional details of this phase, unless she contacts you first.

Thanks again.

Tom.

Tom Oswald

Homeland Security and Emergency Management

State Lead PAC

515.729.4593 c

515.253.2591 o

Sent by Blackberry

---

**From:** Lawrence, John D [VPEO] [<mailto:jdlaw@iastate.edu>]  
**Sent:** Friday, March 06, 2015 06:49 PM  
**To:** Oswald, Tom [HSEMD]  
**Cc:** Turba, Jessica [HSEMD]; Harper, Dennis [HSEMD]; Hall, Pat [HSEMD]  
**Subject:** RE: HUD Resilience Competition

Tom

Sorry for not getting back to you sooner. Yes, I would be happy to review the proposal. I should be able to meet your deadline.

John

---

**From:** Oswald, Tom [HSEMD] [<mailto:thomas.oswald@iowa.gov>]  
**Sent:** Friday, March 06, 2015 9:29 AM

**To:** Lawrence, John D [VPEO]

**Cc:** Turba, Jessica [HSEMD]; Harper, Dennis [HSEMD]; Hall, Pat [HSEMD]; Oswald, Tom [HSEMD]

**Subject:** HUD Resilience Competition

Dr. Lawrence,

My name is Tom Oswald and I am with the Iowa Department of Homeland Security and Emergency Management. We are developing a grant administered by HUD called the *National Disaster Resilience Competition* and our effort focuses on reducing the peak flow by going into the watershed to implement best practices. <https://www.planning.org/resilience/>

We are working with IDALS, DNR, the Iowa Water Center (Rick Cruse), the Iowa Flood Center (Larry Weber) as primary state entity partners. In addition, we are consulting NRCS, USACE, NWS, USGS, and EPA. We are also partnering with the commodity groups – ISBA, ICGA, IAWA, as well as IFBF. Also the Iowa League of Cities, Iowa State Association of Counties, Iowa Association of Water Agencies and the Iowa Floodplain and Stormwater Management Association as well as TNC, INHF and IEC. We will ask additional organizations to partner as we proceed.

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In discussions with the Governor's office, Bill Northey and Chuck Gipp along with my director Mark Schouten, it was recommended we request your assistance in reviewing the Phase 1 application prior to our submittal to HUD, which is due March 16. Once the application is reviewed, and if found to meet their criteria, we will be invited to submit a Phase 2 proposal identifying projects and developing agreements with our partners. Once again we would request your review.

If you wish to learn more about the competition and our request prior your decision, please contact Jessica Turba who is the lead on program requirements. She can be reached at [Jessica.turba@iowa.gov](mailto:Jessica.turba@iowa.gov), her land line is 515-725-9383. My contact information is below and I would also participate on any discussion related the project component.

We look forward to hearing from you.

Respectfully,

Tom Oswald

**Tom Oswald**

Deputy Operations Officer

Recovery Division

Iowa HSEM

7900 Hickman Road, Suite 500

Windsor Heights, IA 50324

515-729-4593 (cell)

515-725-9357 (desk)

515-725-9408 (fax)

[tom.oswald@iowa.gov](mailto:tom.oswald@iowa.gov)

**From:** [Schouten, Mark \[HSEMD\]](#)  
**To:** ["Rick Robinson \(rrobinson@ifbf.org\)"](#)  
**Cc:** [Oswald, Tom \[HSEMD\]](#)  
**Subject:** HUD Resiliency Grant  
**Date:** Wednesday, December 17, 2014 11:10:13 AM  
**Attachments:** [HUD Resiliency NOFA.pdf](#)

---

Rick: nice talking with you about the HUD resiliency grant. Attached is a copy of the HUD NOFA. We will be in touch.

Mark J. Schouten  
Iowa Homeland Security and Emergency Management  
7900 Hickman Road  
Windsor Heights, Iowa 50324  
515-681-5127



**From:** [Harper, Dennis \[HSEMD\]](#)  
**To:** [Oswald, Tom \[HSEMD\]](#)  
**Subject:** FW: tentative phone conference call 10FEB15 at 0800  
**Date:** Tuesday, February 10, 2015 9:42:57 AM  
**Attachments:** [Middle Cedar Partnership Project 20141002.pdf](#)  
[RCPP Data Entry Sheet 20141002.xlsx](#)

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**From:** Hershner, Steve L. [mailto:SteveHe@cedar-rapids.org]  
**Sent:** Tuesday, February 10, 2015 8:32 AM  
**To:** Harper, Dennis [HSEMD]  
**Subject:** RE: tentative phone conference call 10FEB15 at 0800

---

**From:** Hershner, Steve L.  
**Sent:** Tuesday, February 10, 2015 8:17 AM  
**To:** Baloch, Tariq P.; Harper, Dennis [HSEMD]  
**Subject:** RE: tentative phone conference call 10FEB15 at 0800

---

**From:** Baloch, Tariq P.  
**Sent:** Monday, February 09, 2015 9:42 AM  
**To:** Harper, Dennis [HSEMD]  
**Cc:** Hershner, Steve L.  
**Subject:** RE: tentative phone conference call 10FEB15 at 0800

You may dial Steve's office number directly. 319-286-5281. Thanks.

*Tariq P. Baloch*

---

**From:** Harper, Dennis [HSEMD] [mailto:Dennis.Harper@iowa.gov]  
**Sent:** Monday, February 09, 2015 9:05 AM  
**To:** Baloch, Tariq P.  
**Cc:** Hershner, Steve L.  
**Subject:** RE: tentative phone conference call 10FEB15 at 0800

My schedule is open from 8 to 9 so I would be happy to participate. I assume you will be providing a call-in number for the conference call, so once I have that I will be set for the call.

Sincerely

*Dennis J. Harper*

State Hazard Mitigation Officer (SHMO)  
Hazard Mitigation Bureau Chief  
Recovery Division

**From:** Baloch, Tariq P. [<mailto:TariqB@cedar-rapids.org>]  
**Sent:** Monday, February 09, 2015 8:53 AM  
**To:** Harper, Dennis [HSEMD]  
**Cc:** Hershner, Steve L.  
**Subject:** tentative phone conference call 10FEB15 at 0800

Good morning Dennis,  
Will you be available for a quick phone conference call tomorrow morning at 0800 on potential DHS involvement in a Regional Conservation Partnership Program project vicinity Middle Cedar River. Cedar Rapids is embarking on a five year long activity with 15 diverse partners to affect positive change within targeted sub-watersheds. Mary Adkins mentioned that you may have an interest in this project. Steve Hershner, Utilities Director, you and I will be the only participants for this conversation if you are available. Let us know if this will work. Thanks.

*Tariq P. Baloch*  
Water Utility Plant Manager  
City of Cedar Rapids  
Utilities Department Water Division  
761 J Avenue NE  
Cedar Rapids, IA 52402  
Office (319) 286-5283  
Mobile (319) 538-6486  
Fax (319) 286-5971

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\_\_\_\_\_

**From:** [Turba, Jessica \[HSEMD\]](#)  
**To:** [Oswald, Tom \[HSEMD\]](#)  
**Subject:** FW: Nebraska FEMA Declared Disaster Areas  
**Date:** Friday, March 13, 2015 10:36:43 AM  
**Attachments:** [Mallakpour Villarini 2015 inpress.pdf](#)  
[V Flinn.vcf](#)

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## Jessica Turba

State Hazard Mitigation & Disaster Recovery Planner

Iowa Homeland Security and Emergency Management Department, Recovery Division

7900 Hickman Rd, Suite 500 • Windsor Heights, IA 50324

[p] 515.725.9383 • [f] 515.725.9408

[w] [www.homelandsecurity.iowa.gov](http://www.homelandsecurity.iowa.gov)

---

**From:** Turba, Jessica [HSEMD]  
**Sent:** Monday, February 16, 2015 11:19 AM  
**To:** 'Gaskill, Brian'  
**Cc:** Oswald, Tom [HSEMD]  
**Subject:** RE: Nebraska FEMA Declared Disaster Areas

Thank you Brian for your time this morning. I am including some of the materials we referenced on the phone. The contact below (Joyce V. Flinn) would be the best place to start for information regarding critical asset inventory. We had a brief conversation with her about your potential call/email. I hope this will be helpful to you.



Moving forward I will keep you in the loop as we develop the application materials along the Missouri Rivery Cooridor. If you need anything from us, just let us know.

Regards,

## Jessica Turba

State Hazard Mitigation & Disaster Recovery Planner

Iowa Homeland Security and Emergency Management Department, Recovery Division

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[w] [www.homelandsecurity.iowa.gov](http://www.homelandsecurity.iowa.gov)

---

**From:** Gaskill, Brian [<mailto:brian.gaskill@nebraska.gov>]

**Sent:** Monday, February 16, 2015 10:26 AM  
**To:** Turba, Jessica [HSEMD]  
**Subject:** Nebraska FEMA Declared Disaster Areas

Jessica,

Attached is the current info I received from our State's Dept of Natural Resources. This includes info on census tracts and blocks that were inundated in the 2011 flooding.

Thanks

Brian Gaskill, MCRP, JD  
Deputy Director, HCD Division  
Nebraska Dept of Economic Development  
Phone: (402) 471-2280  
Fax: (402) 471-8405  
[brian.gaskill@nebraska.gov](mailto:brian.gaskill@nebraska.gov)  
[www.neded.org](http://www.neded.org)



**From:** [Adkins, Martin - NRCS, Des Moines, IA](#)  
**To:** [Covington, William \[HSEMD\]](#); [Lauver, Alan - NRCS, Des Moines, IA](#)  
**Cc:** [Oswald, Tom \[HSEMD\]](#); [Harper, Dennis \[HSEMD\]](#); [Turba, Jessica \[HSEMD\]](#)  
**Subject:** RE: Conservation Tillage Program Oversubscription  
**Date:** Monday, February 23, 2015 4:01:45 PM

---

BJ –

Do you mean no-till or strip-till? I don't believe that financial assistance has been offered for full-width conservation tillage systems for some time.

I will assume the answer to my question is “yes” for now and direct my inquiry to those numbers.

Marty

---

**From:** Covington, William [HSEMD] [mailto:William.Covington@iowa.gov]  
**Sent:** Monday, February 23, 2015 3:20 PM  
**To:** Adkins, Martin - NRCS, Des Moines, IA; Lauver, Alan - NRCS, Des Moines, IA  
**Cc:** Oswald, Tom [HSEMD]; Harper, Dennis [HSEMD]; Turba, Jessica [HSEMD]  
**Subject:** Conservation Tillage Program Oversubscription

Marty and Alan,

Do you have any data on the oversubscription of the available NRCS conservation tillage programs? This may be a more accurate way to describe the unmet need from HUD's standpoint as it shows how many producers would be engaged in conservation tillage if there were enough funding for them to do so. However, that number may be reflected in the 25% reduction in acres I have added in the spreadsheet I just sent (which was originally intended to represent the roughly 25% of the acres in the state that Rick Cruse from Iowa State indicated was currently under conservation tillage practices). There may also be a better way to quantify the unmet need that we haven't considered. At any rate, I my brain is about spent for today, but if you have any questions regarding this email or my previous one, please let me know and I will do my best to answer you expeditiously.

Thanks,

BJ Covington

Environmental/Historic Preservation Compliance Lead  
Recovery Division  
Iowa Homeland Security and Emergency Management  
7900 Hickman Road Suite 500  
Windsor Heights, IA 50324

Desk: 515-725-9402

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**From:** [Adkins, Martin - NRCS, Des Moines, IA](#)  
**To:** [Turba, Jessica \[HSEMD\]](#)  
**Cc:** [Oswald, Tom \[HSEMD\]](#)  
**Subject:** RE: Endangered species  
**Date:** Wednesday, February 18, 2015 4:33:35 PM

---

Jessica –

I think this might be a good site for the information you asked for:

<http://www.iowadnr.gov/Environment/ThreatenedEndangered/NaturalAreasInventory.aspx>.

I tried to find a list of species specific to that area but could only find the Federally listed ones at this site - [http://www.fws.gov/midwest/endangered/lists/iowa\\_cty.html](http://www.fws.gov/midwest/endangered/lists/iowa_cty.html).

The Iowa DNR Wildlife Diversity Program is run from their office in Boone. They might be the best direct source of information on this question. They can be reached at (515) 432-2823 or by contacting Pat Schlarbaum at [Pat.Schlarbaum@dnr.iowa.gov](mailto:Pat.Schlarbaum@dnr.iowa.gov).

Marty

---

**From:** Turba, Jessica [HSEMD] [mailto:[Jessica.Turba@iowa.gov](mailto:Jessica.Turba@iowa.gov)]  
**Sent:** Friday, February 13, 2015 2:56 PM  
**To:** Adkins, Martin - NRCS, Des Moines, IA  
**Subject:** Endangered species

Hello Marty,

Thank you for the meeting this morning.

I am working with BJ to connect some of the items you brought to our attention. The area that you circled on the map (Louisa and Muscatine Counties) is the site of endangered species for Iowa. Can you remind me of the what those are? We are going to rework our impact assessment to see if we can qualify some of the sub-county areas.

Thanks for the help,

**Jessica Turba**

State Hazard Mitigation & Disaster Recovery Planner

Iowa Homeland Security and Emergency Management Department, Recovery Division

7900 Hickman Rd, Suite 500 • Windsor Heights, IA 50324

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**From:** [Adkins, Martin - NRCS, Des Moines, IA](#)  
**To:** [Oswald, Tom \[HSEMD\]](#)  
**Cc:** [Covington, William \[HSEMD\]](#); [Lauver, Alan - NRCS, Des Moines, IA](#); [Turba, Jessica \[HSEMD\]](#); [Harper, Dennis \[HSEMD\]](#); [Gioffredi, Larry \[HSEMD\]](#)  
**Subject:** Re: chat this afternoon?  
**Date:** Wednesday, February 11, 2015 1:52:03 PM

---

I am in a meeting until 4:30 but can speak by phone after that.

Sent from my iPhone

On Feb 11, 2015, at 1:42 PM, "Oswald, Tom [HSEMD]" <[thomas.oswald@iowa.gov](mailto:thomas.oswald@iowa.gov)> wrote:

Marty,

Do you have an opportunity to chat this afternoon about the HUD grant and unmet needs? We have a proposed methodology to determine/estimate the cost to meet that particular criteria. We have been talking and emailing Alan Lauver about the costs of erosion related to the HUD criteria

Tom

***Tom Oswald***

Deputy Operations Officer  
Recovery Division  
Iowa HSEM  
7900 Hickman Road, Suite 500  
Windsor Heights, IA 50324

515-729-4593 (cell)  
515-725-9357 (desk)  
515-725-9408 (fax)  
[tom.oswald@iowa.gov](mailto:tom.oswald@iowa.gov)

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**From:** [Oswald, Tom \[HSEMD\]](#)  
**To:** ["Adkins, Martin - NRCS, Des Moines, IA"](#)  
**Subject:** Friday's visit  
**Date:** Thursday, February 19, 2015 8:10:00 AM

---

Marty,

Thank you for setting up the meeting with Jay and HSEM. I think it was fruitful and I believe it will not only strengthen our partnership but the HUD application as well. I contacted Warren Johnson and he is interested. I am planning on attending the annual RC&D meeting March 13 to discuss with the coordinators.

Tom

***Tom Oswald***

Deputy Operations Officer  
Recovery Division  
Iowa HSEM  
7900 Hickman Road, Suite 500  
Windsor Heights, IA 50324

515-729-4593 (cell)

515-725-9357 (desk)

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tom.oswald@iowa.gov

**From:** [Oswald, Tom \[HSEMD\]](#)  
**To:** "Adkins, Martin - NRCS, Des Moines, IA"  
**Cc:** [Oswald, Tom \[HSEMD\]](#); [Covington, William \[HSEMD\]](#)  
**Subject:** RE: Middle Cedar/HUD grant  
**Date:** Monday, February 02, 2015 3:11:00 PM

---

Marty,

I would like to bring our GIS guy, BJ Covington, tomorrow too. That ok with you?

---

**From:** Adkins, Martin - NRCS, Des Moines, IA [mailto:Martin.Adkins@ia.usda.gov]  
**Sent:** Monday, February 02, 2015 3:04 PM  
**To:** Oswald, Tom [HSEMD]  
**Subject:** RE: Middle Cedar/HUD grant

Hi Tom –

Good, I'm glad that might move ahead. I have some time either tomorrow morning or Friday after 3:00.

Marty

---

**From:** Oswald, Tom [HSEMD] [mailto:thomas.oswald@iowa.gov]  
**Sent:** Monday, February 02, 2015 1:25 PM  
**To:** Oswald, Tom [HSEMD]; Adkins, Martin - NRCS, Des Moines, IA  
**Cc:** Harper, Dennis [HSEMD]  
**Subject:** RE: Middle Cedar/HUD grant

Marty,

Dennis has given me the go ahead to talk with you about my discussion below to enlist the NRCS in the HUD Resiliency Competition proposal.

Do you have an opportunity to get together with me this week to we can talk?

Tom

---

**From:** Oswald, Tom [HSEMD]  
**Sent:** Monday, February 02, 2015 9:42 AM  
**To:** Adkins, Marty [Outside]  
**Cc:** Oswald, Tom [HSEMD]  
**Subject:** Middle Cedar/HUD grant

Marty,

Dennis went to Chicago last week to attend a HUD resiliency meeting. He came home very positive that we may continue the application process. We will need a green light from upper management and the Governor's office before we continue.

If we pursue the proposal we will lean heavily in the environmental degradation and ag. business area. This would minimally necessitate looking at soil loss, sediment delivery specific to the eligible

events, crop losses, etc. using the best available data in eligible areas. Dennis thinks the HUD rules have changed enough that this can open up many more eligible areas. This would be an easy fit with the nutrient reduction strategy and the Gulf hypoxic zone.

While this is pre-mature, I want to give you a heads up on the potential to enlist NRCS' help. If this is funded, based on our previous discussions, this may be of interest to NRCS in implementing many of your goals – soil health, sediment delivery reduction, soil loss, water quality, etc.

While in Chicago he met Kris Johnson with the Nature Conservancy who is apparently working on the Middle Cedar RCCP. Dennis thought you were working with Kris.

Tom

***Tom Oswald***

Deputy Operations Officer

Recovery Division

Iowa HSEM

7900 Hickman Road, Suite 500

Windsor Heights, IA 50324

515-729-4593 (cell)

515-725-9357 (desk)

515-725-9408 (fax)

[tom.oswald@iowa.gov](mailto:tom.oswald@iowa.gov)

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**From:** [Warren Johnson](#)  
**To:** [Oswald, Tom \[HSEMD\]](#)  
**Cc:** [Turba, Jessica \[HSEMD\]](#)  
**Subject:** Re: Iowa League Meeting  
**Date:** Friday, March 06, 2015 10:37:10 AM  
**Attachments:** [March 13, 2015 Iowa League Meeting Agenda.docx](#)

---

Thanks Tom,  
We will plan on you ort Jessica attending on March 13th.  
FYI(- my phone number is 563-212-1510

I have attached a draft agenda for our meeting.  
Warren

On Thu, Mar 5, 2015 at 2:09 PM, Oswald, Tom [HSEMD] <[thomas.oswald@iowa.gov](mailto:thomas.oswald@iowa.gov)> wrote:

Warren,

Due to a family situation I am uncertain I can make the annual conference next Friday. While I will be there if I can, I think talking to the RC&D's concerning the HUD grant is very important.

Jessica Turba is on the team developing the application and while her expertise is in the application process and the HUD requirements, she is familiar with the discussion points I wanted to talk about. She has kindly agreed to be at the annual meeting should I be unable to attend and we will let you know which one of us will be at the meeting on March 13.

If you would reply and give her your cell phone number, I would appreciate it.

Thanks Warren.

Tom

---

**From:** Warren Johnson [mailto:[wdjohnson2009@gmail.com](mailto:wdjohnson2009@gmail.com)]  
**Sent:** Tuesday, February 17, 2015 3:07 PM  
**To:** Oswald, Tom [HSEMD]  
**Subject:** Iowa League Meeting

Tom,

Thanks for the call yesterday. As we discussed, the Iowa League of RC&Ds will be holding

their annual meeting on March 13 at the Pizza Ranch in Ankeny. The annual business meeting will be from 10:00 a.m. to lunch. After lunch we will be discussing some new project/program opportunities. I have attached a draft agenda for the day which includes some time to bring up the possibility of the Emergency Management program(s). If it works for you to attend, that's great. If you are tied up with the pre-application, I can bring up the subject and provide a very brief concept discussion that would be continued if the program goes to the next step.

Thanks,

Warren

**From:** [Turba, Jessica \[HSEMD\]](#)  
**To:** [Oswald, Tom \[HSEMD\]](#)  
**Subject:** FW: HUD National Disaster Recovery Competitive application  
**Date:** Friday, March 13, 2015 10:37:48 AM  
**Attachments:** [Appendix G Phase 1 and 2 Impacted Distressed Unment Recovery Needs.doc](#)  
[Tama County Impact.xlsx](#)

---

## Jessica Turba

State Hazard Mitigation & Disaster Recovery Planner  
Iowa Homeland Security and Emergency Management Department, Recovery Division  
7900 Hickman Rd, Suite 500 • Windsor Heights, IA 50324  
[p] 515.725.9383 • [f] 515.725.9408  
[w] [www.homelandsecurity.iowa.gov](http://www.homelandsecurity.iowa.gov)

---

**From:** Turba, Jessica [HSEMD]  
**Sent:** Wednesday, February 11, 2015 1:49 PM  
**To:** 'cco.fiscal@meskwaki-nsn.gov'  
**Subject:** HUD National Disaster Recovery Competitive application

Hello Leslie,

Here is the conference line information for our call on Monday at 1:00. Please feel free to include others as well. If that time does not work, just let me know.

Conference # 1-800-645-2989
<a href="#">Conference Code: 003238</a>

Your tribal liaison information is as follows:

Scott Weinberg  
[Jonathan.Weinberg@fema.dhs.gov](mailto:Jonathan.Weinberg@fema.dhs.gov)  
Phone: 816-283-7536

The HUD Application Phase 1 process will require some coordination and sharing of information. The first step in the framing process is determining the 'most impacted and distressed' areas in the state with unmet recovery needs. I am including some damage data that I have for tama county (including some tribal information). We can discuss this in the meeting on Monday as well. Appendix G is the threshold requirement narrative from the application documents. I am attaching to this email for your team's review.

I am in the process of locating our admin plan for HMGP. I will send it your way as soon as I get the final version.

Regards,

## Jessica Turba

State Hazard Mitigation & Disaster Recovery Planner

Iowa Homeland Security and Emergency Management Department, Recovery Division

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[w] [www.homelandsecurity.iowa.gov](http://www.homelandsecurity.iowa.gov)



**From:** [Roger Wolf](#)  
**To:** [Oswald, Tom \[HSEMD\]](#)  
**Subject:** RE: HUD letter of intent  
**Date:** Tuesday, February 24, 2015 10:46:26 AM  
**Attachments:** [Iowa Homeland Security Letter of Intent ISA.pdf](#)

---

Tom,

See attached. Sorry for the delay.

Sincerely,  
Roger



**Roger Wolf** *Director of Environmental Programs & Services*  
desk: 515.334.1051 | cell: 515.205.9225  
1255 SW Prairie Trail Parkway | Ankeny, Iowa | 50023 | [iasoybeans.com](http://iasoybeans.com)

---

**From:** Oswald, Tom [HSEMD] [mailto:thomas.oswald@iowa.gov]  
**Sent:** Friday, February 13, 2015 7:43 AM  
**To:** Roger Wolf  
**Cc:** Oswald, Tom [HSEMD]  
**Subject:** HUD letter of intent

Roger,

I enjoyed our chat yesterday and I look forward to working with the ISA and you in this effort to receive funding to add resilience to the State of Iowa.

Please let me know if you have any questions. Say hello to Heath Ellison for me, as you know we worked together when he was here. He did a fine job for us.

Best,  
Tom

**Tom Oswald**  
Deputy Operations Officer

Recovery Division  
Iowa HSEM  
7900 Hickman Road, Suite 500  
Windsor Heights, IA 50324

515-729-4593 (cell)

515-725-9357 (desk)

515-725-9408 (fax)

[tom.oswald@iowa.gov](mailto:tom.oswald@iowa.gov)

**From:** [Oswald, Tom \[HSEMD\]](#)  
**To:** ["Gaskill, Brian"](#)  
**Cc:** [Turba, Jessica \[HSEMD\]](#); [Oswald, Tom \[HSEMD\]](#)  
**Subject:** FW: FW: Study finds Midwest flooding more frequent  
**Date:** Monday, February 16, 2015 11:41:00 AM  
**Attachments:** [Mallakpour\\_Villarini\\_2015\\_inpress.pdf](#)

---

Brian,

The attached paper was co-authored by Villarini with the Iowa Flood Center for your reading pleasure. Please do not distribute as we were asked not to share with too many others.

Best

Tom

---

**From:** Witold F. Krajewski [mailto:wkrajew@engineering.uiowa.edu]  
**Sent:** Monday, February 09, 2015 4:07 PM  
**To:** Oswald, Tom [HSEMD]  
**Cc:** 'Young, Nathan C'; Robertson, Lucinda [HSEMD]  
**Subject:** Re: FW: Study finds Midwest flooding more frequent

Tom,

I attach the paper. There is also the link:

<http://www.nature.com/nclimate/journal/vaop/ncurrent/full/nclimate2516.html>

Regards,

Witek

On 2/9/2015 3:50 PM, Oswald, Tom [HSEMD] wrote:

---

**Witold/Nate,**  
**Mr. Schouten would like a copy of the study noted in the article below. Could you tell me how we can get access to it?**  
**Thanks.**  
**Tom**

**From:** Schouten, Mark [HSEMD]  
**Sent:** Monday, February 09, 2015 2:37 PM  
**To:** Robertson, Lucinda [HSEMD]  
**Subject:** RE: Study finds Midwest flooding more frequent

Not sure anyone in our department would argue with this. Can we find a free copy of the study somewhere?

Mark J. Schouten  
Iowa Homeland Security and Emergency Management  
7900 Hickman Road

Windsor Heights, Iowa 50324  
515-681-5127

---

**From:** Robertson, Lucinda [HSEMD]  
**Sent:** Monday, February 09, 2015 12:50 PM  
**To:** Schouten, Mark [HSEMD]; Hall, Pat [HSEMD]; Flinn, Joyce [HSEMD]  
**Cc:** Matthes, Michelle [HSEMD]  
**Subject:** Study finds Midwest flooding more frequent

I thought this was worth sharing.

## **Study finds Midwest flooding more frequent**

Research covered more than 50 years of data in 14 states

The U.S. Midwest and surrounding states have endured increasingly more frequent flood episodes over the past half-century, according to a [study](#) from the University of Iowa.

The UI researchers based their findings on daily records collected by the U.S. Geological Survey at 774 stream gauges in 14 states from 1962-2011, a data-collection period in common for all the stations.

They found that 264 (34 percent) of the stations had an increase in frequency in the number of flood events, while only 66 stations (nine percent) showed a decrease.

“It’s not that big floods are getting bigger, but that we have been experiencing a larger number of big floods,” says [Gabriele Villarini](#), UI assistant professor of [civil and environmental engineering](#) and corresponding author on the paper, published Feb. 9 in the advance online edition of the journal Nature Climate Change.

The findings likely come as no surprise to millions of people in the Midwest and bordering states. During the past several decades, large floods have plagued the region in 1993, 2008, 2011, 2013 and again in 2014. The floods have caused agricultural and economic losses in the billions of dollars, displaced people and led to loss of life.

“There is a pattern with increasing frequency of flood events from North Dakota south to Iowa and Missouri and east into Illinois, Indiana and Ohio,” says Iman Mallakpour, UI graduate student in civil and environmental engineering and lead author on the paper.

“We related this increasing number of big floods to changes in rainfall and temperature. There was an overall good match between the areas with increasing frequency of flood events and areas experiencing increasing frequency of heavy rainfall events,” adds Villarini, who is also assistant research engineer at [IHR – Hydroscience & Engineering](#).

He notes that seasonal analysis revealed that most of the flood peaks in the upper Midwest occur in the spring and stem primarily from snow melt, rain



falling on frozen ground and rain-on-snow events. Interestingly, spring—in addition to being a season with increasing frequency of heavy rainfall—also has the strongest increase in temperature over most of the northern part of the region studied, he says.

The findings jibe well with current thinking among climate scientists about how the hydrological cycle is being affected by global warming. In general, as the atmosphere becomes warmer, it can hold more moisture. One consequence of higher water vapor concentrations is more frequent, intense precipitation.

Villarini says the current study did not attempt to link the increase in the number of episodes to climate change.

“What causes the observed changes in precipitation and temperature is not something we have addressed because of the difficulties in doing so just based on observational records,” Villarini says.

The study region included: Iowa, Illinois, Indiana, Wisconsin, Ohio, Michigan, Minnesota, Kansas, Nebraska, Missouri, West Virginia, Kentucky, North Dakota and South Dakota.

The methodology used in the study involved establishing a threshold level of two flood events per year, on average, for each of the 774 stream gauges in the study, so as to focus on the larger flood events. In order to avoid counting the same event twice, the researchers allowed for the recording of only one event within a 15-day period.

The paper titled, “The Changing Nature of Flooding across the Central United States,” can be found [here](#).

The U.S. Army Corps of Engineers Institute for Water Resources, the Iowa Flood Center and IIHR-Hydroscience & Engineering funded the work. Funding also came from the National Science Foundation, under NSF CAREER Grant #AGS-1349827.

Lucinda Robertson  
Public Information Officer  
Iowa Department of Homeland Security and Emergency Management  
515.725.3231  
[www.homelandsecurity.iowa.gov](http://www.homelandsecurity.iowa.gov)  
[www.beready.iowa.gov](http://www.beready.iowa.gov)

**From:** [Jan Glendening](#)  
**To:** [Oswald, Tom \[HSEMD\]](#)  
**Subject:** RE: TNC & HUD National Disaster Resilience Competition  
**Date:** Friday, March 06, 2015 2:59:19 PM

---

Great thanks Tom! We will get something to you before then! Jan

---

**From:** Oswald, Tom [HSEMD] [<mailto:thomas.oswald@iowa.gov>]  
**Sent:** Friday, March 06, 2015 2:57 PM  
**To:** Jan Glendening; Susanne Hickey  
**Cc:** Oswald, Tom [HSEMD]  
**Subject:** RE: TNC & HUD National Disaster Resilience Competition

Jan,

The Phase 1 deadline is March 16, so if possible prior to that date. However, we will continue to ask for partnership commitments beyond that date since this is a 2 phase process.

Thanks Jan.

Tom

---

**From:** Jan Glendening [<mailto:jglendening@TNC.ORG>]  
**Sent:** Friday, March 06, 2015 2:54 PM  
**To:** Oswald, Tom [HSEMD]; Susanne Hickey  
**Subject:** RE: TNC & HUD National Disaster Resilience Competition

Tom,

Thanks so much! When do you need this by?

Jan

---

**From:** Oswald, Tom [HSEMD] [<mailto:thomas.oswald@iowa.gov>]  
**Sent:** Friday, March 06, 2015 2:07 PM  
**To:** Jan Glendening; Susanne Hickey  
**Cc:** Oswald, Tom [HSEMD]  
**Subject:** RE: TNC & HUD National Disaster Resilience Competition

Jan & Susanne,

I enjoyed the discussion we had at last week's NRCS State Tech Committee meeting.

As I mentioned, we would like TNC's partnership in the National Disaster Resilience Competition and I have attached a draft letter of intent to indicate what we would be requesting should you decide to partner. The sentences in red are questions we would ask you to complete.

Again, please feel free to contact me as needed.

Thank you.

Tom

---

**From:** Oswald, Tom [HSEMD]  
**Sent:** Tuesday, February 24, 2015 11:00 AM  
**To:** 'jglendening@tnc.org'  
**Cc:** Oswald, Tom [HSEMD]  
**Subject:** HUD National Disaster Resilience Competition

Jan,

My name is Tom Oswald and I am with the Iowa Department of Homeland Security and Emergency Management and am part of a team developing an application to receive funding from the HUD *National Disaster Resilience Competition*.

We are seeking a broad coalition of partners to add resiliency by reducing peak flow in Iowa's rivers and streams to lessen the impact of flooding by working within the watershed and leveraging existing watershed programs. This will add to the voluntary efforts that landowners and agricultural producers are seeking. We realize soil health is vital to the sustainability of Iowa's soil and improving soil quality will aid in our goals. Also, we are working with Iowa's Nutrient Reduction Strategy, Iowa's NPS Management, Watershed Management Authorities as well as other major initiatives and watershed programs and projects.

We have invited many to partner with us and these are some of those who have agreed to partner, or will likely partner with us; ISU, Iowa Flood Center, DNR, IDALS, Iowa Agriculture Water Alliance, NRCS, Iowa Soybean Association, Iowa Corn Growers Association, Iowa League of Cities, Iowa State Association of Counties, Iowa Natural Heritage Foundation, Soil & Water Conservation Society, Iowa League of RC&Ds, Iowa Environmental Council as well as other federal agencies, sporting organizations, and environmental groups.

The Competition funds are from the Superstorm Sandy legislation and is a one-time \$1 billion grant program.

Our efforts now are to develop what is called Phase 1. If HUD concurs with our approach we will be invited to Phase 2, which actually identifies projects and formalizes partnerships. Following that review, we are hopeful Iowa will receive funding towards these efforts.

I am hopeful the TNC in Iowa would be interested in partnering with Iowa HSEM in this effort as we progress in our application.

I am including a web link to the Competition for your review. <https://www.planning.org/resilience/>

I am sure you have questions, and I would welcome the discussion.

Thanks.

Tom

***Tom Oswald***

Deputy Operations Officer

Recovery Division

Iowa HSEM

7900 Hickman Road, Suite 500

Windsor Heights, IA 50324

515-729-4593 (cell)

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[tom.oswald@iowa.gov](mailto:tom.oswald@iowa.gov)



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**Sent:** Friday, March 06, 2015 2:07 PM  
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**Subject:** RE: TNC & HUD National Disaster Resilience Competition

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Tom

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**Sent:** Tuesday, February 24, 2015 11:00 AM  
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**Cc:** Oswald, Tom [HSEMD]  
**Subject:** HUD National Disaster Resilience Competition

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Thanks.

Tom

***Tom Oswald***

Deputy Operations Officer

Recovery Division

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515-725-9357 (desk)

515-725-9408 (fax)

[tom.oswald@iowa.gov](mailto:tom.oswald@iowa.gov)

**From:** [Stevenson, Marybeth \[DNR\]](#)  
**To:** [Stevenson, Marybeth \[DNR\]](#); [Ross Evelsizer](#); [brad.golightly@co.dallas.ia.us](mailto:brad.golightly@co.dallas.ia.us); [Catfish Creek](#); [connie.roys@ia.usda.gov](mailto:connie.roys@ia.usda.gov); [Dean Mattoon](mailto:Dean Mattoon); [dwpritchard@dmgov.org](mailto:dwpritchard@dmgov.org); [Eric Schmechel](#); [Fayette CCB](#); [Jay Michels](#); [Jennifer Fencj](#); [Jody Bailey](#); [Leanne Harter](#); [Linda Kinman](#); [Lora Friest \(lora.friest@northeastiowarc.org\)](mailto:Lora Friest (lora.friest@northeastiowarc.org)); [Lori Altheide](#); [Mark Kuhn](#); [Pat Conrad](#); [Ralph Kremer](#); [Robert Rice](#); [Ryan Peterson](#); [suprparker@pcsia.net](mailto:suprparker@pcsia.net); [Susan Judkins Josten](#); [Teva Dawson](#); [valinpaul-cindy@msn.com](mailto:valinpaul-cindy@msn.com); [Vanessa Fixmer-Oraiz](#)  
**Cc:** [Ament, Kyle \[DNR\]](#); [Bonini, Allen \[DNR\]](#); [Petersen, Wayne \[IDALS\]](#); [Bouska, Amy \[IDALS\]](#); "Welch, Jennifer - Ankeny, IA"; [Geerts, Jeff \[IEDA\]](#); [Cale-Finnegan, Patti \[DNR\]](#); [larry-weber@uiowa.edu](mailto:larry-weber@uiowa.edu); [Jamie Benning](#); [Terry, Jennifer](#); [Sauer, Pat](#); [Johnson, Stacie](#); [Adam Kiel](#); [Steussy, Sara S](#); [Tisl, Jeff \[IDALS\]](#); [Martin, James \[IDALS\]](#); [Waters, Bob \[IDALS\]](#); [Hansen, Jake \[IDALS\]](#); [Muste, Marian V](#); [Ohrtman, Rebecca \[DNR\]](#); [Turba, Jessica \[HSEMD\]](#); [Oswald, Tom \[HSEMD\]](#)  
**Subject:** January 28: WMA Coordination Meeting Details  
**Date:** Tuesday, January 13, 2015 10:17:23 AM  
**Attachments:** [1-28-15 WMAMeetingAgenda.doc](#)

---

Good Morning,

The agenda is finalized for the WMA Coordination meeting on Wednesday, January 28 from 10:00 am – 2:30 pm at the Coralville Public Library – see attached. Please let me know if you plan to attend.

For lunch, we will place a group order to Nodo in Iowa City for box lunches that include a wrap sandwich, chips, cookie, and a beverage. If you would like to order lunch with the group please fill out the order form by **Friday, January 23<sup>rd</sup>**. The form is here: <http://goo.gl/forms/3dr2jqKu00>

The bulk of the morning will be dedicated for the WMAs to give updates (~7-8 minutes each). If you want to show slides / photos, there will be a laptop and projector available. In your update, you may address topics such as:

- Completed or planned assessments
- Efforts to engage or connect with communities and agricultural partners
- Funding strategies, current or proposed
- Progress in developing a watershed plan
- Moving towards implementation

There will also be some time for agencies to share updates on funding or other resources. After lunch, there will be two presentations: one from Jessica Turba of Iowa HSEMD who will talk about connecting your watershed plans with hazard mitigation plans, and potential funding opportunities through the hazard mitigation program; and Becky Ohrtman of Iowa DNR's Source Water Program to talk about partnering to provide assistance to communities in your watersheds that have drinking water sources that are threatened by contamination.

The last part of the meeting will be an open discussion on a variety of topics. I've listed a few topics on the agenda that have been proposed, and we can add to that as needed.

Please feel free to bring handouts to share. Also, for those with draft or completed watershed plans, I'm sure others would love to browse through them if you are able to bring a few extra copies.

Lastly, I have included on this email the agencies and organizations I am aware of that have been involved with WMA efforts, locally and statewide. Feel free to pass this on to others that would be interested in attending.



I am looking forward to the opportunity to hear from the WMAs and talk more about how we can support your efforts going forward.

-Mary Beth

**MARY BETH STEVENSON** Iowa-Cedar River Basin Coordinator



**Iowa Department of Natural Resources**

P 319.325.8593

[marybeth.stevenson@dnr.iowa.gov](mailto:marybeth.stevenson@dnr.iowa.gov)

323-4 C. Maxwell Stanley Hydraulics Laboratory | Iowa City, IA 52242-1585

[WWW.IOWADNR.GOV](http://WWW.IOWADNR.GOV)



*Leading Iowans in Caring for Our Natural Resources.*

---

**From:** Stevenson, Marybeth [DNR]  
**Sent:** Tuesday, December 02, 2014 11:02 AM  
**Subject:** RE: Scheduling the next WMA Coordination Meeting

All,

From the responses I've received, Wednesday January 28<sup>th</sup> appears to be the best date for the WMA coordination meeting. We'll hold the meeting again at the Coralville Public Library, from 10 am – 2:30 pm.

I'll send out more details on the meeting in early January.

I have received several suggestions for meeting topics – please feel free to send along additional ideas.

If you are on this email list but would prefer not to receive WMA emails, please let me know – thank you!

Best,  
Mary Beth

**MARY BETH STEVENSON** Iowa-Cedar River Basin Coordinator



**Iowa Department of Natural Resources**

P 319.325.8593

[marybeth.stevenson@dnr.iowa.gov](mailto:marybeth.stevenson@dnr.iowa.gov)

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[WWW.IOWADNR.GOV](http://WWW.IOWADNR.GOV)



*Leading Iowans in Caring for Our Natural Resources.*

**From:** [Turba, Jessica \[HSEMD\]](#)  
**To:** [Oswald, Tom \[HSEMD\]](#)  
**Subject:** FW: presentation  
**Date:** Friday, March 13, 2015 10:36:11 AM  
**Attachments:** [Watershed Management Authority Presentation\\_HM Planning.pdf](#)

---

## Jessica Turba

State Hazard Mitigation & Disaster Recovery Planner  
Iowa Homeland Security and Emergency Management Department, Recovery Division  
7900 Hickman Rd, Suite 500 • Windsor Heights, IA 50324  
[p] 515.725.9383 • [f] 515.725.9408  
[w] [www.homelandsecurity.iowa.gov](http://www.homelandsecurity.iowa.gov)

---

**From:** Turba, Jessica [HSEMD]  
**Sent:** Tuesday, January 27, 2015 4:02 PM  
**To:** Stevenson, Marybeth [DNR]  
**Subject:** presentation

Mary Beth,

I am attaching a PDF of the presentation for tomorrow. Thank you again for the invitation.

Regards,

## Jessica Turba

State Hazard Mitigation & Disaster Recovery Planner  
Iowa Homeland Security and Emergency Management Department, Recovery Division  
7900 Hickman Rd, Suite 500 • Windsor Heights, IA 50324  
[p] 515.725.9383 • [f] 515.725.9408  
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**Appendix J: CDBG-RDR Crosswalk Checklist (Table of Contents)**

Applicant Name (must match name of eligible applicant): State of Iowa

Primary Responsible Agency: Iowa Economic Development Authority

Competition Phase: 1

<b>Exhibit</b>	<b>PHASE 1</b>	<b>Document/filename</b>	<b>Page</b>
	Crosswalk Checklist/ Table of Contents	Attachment H Crosswalk	1-3
A	Executive Summary	Exhibit A Executive	1-3
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Exhibit A

Executive Summary

State of Iowa

From 2011-2013, Iowa received eight Presidential Disaster Declarations, encompassing 73 of Iowa's 99 counties. Hundreds of communities, representing more than 70 percent of the state's geography, were impacted by severe storms, tornados, straight-line winds, and flooding. These disaster events reflect an increase in the frequency and intensity of weather events and leave communities with depleted resources, while the cost of maintaining critical assets increases.

Through the framing process of this application process, the State of Iowa conducted a risk and vulnerability assessment of the qualified events to determine the most impacted and distressed areas. As demonstrated in Exhibit B, the following unmet recovery needs were identified in the most impacted and distressed areas as a result of the eight qualifying disasters: *supporting documents found at <https://drive.google.com>*

- Structural damage to low-income households housing in Dubuque;
- Damage to permanent public infrastructure that has not yet been repaired due to inadequate resources was found in 8 sub-county areas; and
- Environmental degradation (significant loss of topsoil) was found in 18 rural sub-county areas.

Conventional disaster recovery entails the repair and replacement of housing and infrastructure. Often, this means focusing efforts and resources on restoring to pre-disaster conditions the existing infrastructure and housing. Traditional hazard mitigation efforts are also focused geographically within the impacted areas to implement projects such as improved pumping, increased drainage capacity, new floodwalls and levees, and elevated infrastructure. While incremental progress in disaster recovery and hazard mitigation is achieved through these actions, this approach does not make communities resilient to future disaster events.

Resiliency to flooding requires a more holistic, science-based strategy based on watershed characteristics. A watershed-based approach is unique in that it increases community resiliency through actions that fully change the flood hazard condition of the land. These land use modifications change the hydrology of watersheds, resulting in peak water flow reduction.

The State of Iowa's project will demonstrate that actions taken based on scientific modeling and design at a whole watershed scale are achievable, cost-effective and able to benefit more than peak water flows causing flood disaster damages. The project will focus at the macro level on rural watershed strategies that protect

infrastructure and agricultural soils, and at the micro level on urban watershed strategies that increase the resiliency of low-income housing stock. Agricultural producers and communities that understand their roles and contribution to disaster resiliency will willingly participate and invest on a watershed scale. Farmers will conserve and release water as it fits with their crop cycle and benefit from the reduction in fertilizer additives. Damage to farm fields and riverbeds will lessen, thereby protecting Iowa's agricultural economic base as well as vital roads, bridges and drainage infrastructure. Curtailing peak flood flows will also lessen the impact to urban communities and inhibit economic losses to private property and critical public facilities.

Land use in Iowa is predominantly agricultural, covering nearly 80 percent of the state's land mass. By implementing best management practices in rural Iowa, in combination with engineered solutions for runoff water retention, communities will be more resilient to the shocks and stresses from these significantly diminished water events. A scientifically-based public/private partnership, executed on a watershed scale, will achieve the most peak flow reduction. The end result will include a decrease in the hazard impact through a comprehensive reduction in the flood depth and damage frequency for everything currently at risk within the watershed. This will be accomplished through a range of projects, such as no-till, cover crops on fields in agricultural production, engineered structural changes to drainage management systems, the construction of retention ponds, wetlands, riparian buffer strips, and terraces. These will be strategically implemented to reduce peak flow by improving the soil's ability to hold more water and to prevent it from running into streams and rivers.

Reducing peak water flow will also create benefits beyond flood mitigation. The correlation between the reduction of peak water flows and the reduction of soil and nutrient run-off is a close one. When a storm happens and water flows through the watershed, soil and nutrients flow with it, now as a pollutant. Those impacts contribute to the Gulf of Mexico hypoxic zone. The proposed watershed-based solutions will help to curb sediment loads and improve water quality.

Iowa's analysis of unmet needs found significant impacts to low-income housing in the City of Dubuque. The State's proposal also includes urban watershed strategies to protect residents and businesses. Dubuque is a case study of a community that has been impacted by repeated Presidential Disaster Declarations related to



extreme rain events. While Dubuque is taking proactive measures to address stormwater events and become a more resilient community, investments in gray infrastructure alone have not addressed unmet needs of the community's most at-risk neighborhoods, where approximately 69 percent of the residents in flood-prone areas are at less than 80 percent of the median income. Residents there have received minimal assistance to make basic repairs following storms that inundated residential and commercial properties. Assistance through a comprehensive Bee Branch Healthy Homes approach will help residents meet unmet structural needs, and engagement and education will empower individuals to be part of the creation of more resilient housing through onsite stormwater management principles and sustainable, healthy home behaviors. This resident-centered approach will be coupled with holistic, innovative green infrastructure investments that will minimize the impact of more frequent, severe rain events on the Bee Branch watershed, allowing nature to manage flash flooding and creating co-benefits like improved public health; increased public and private investment; creation of more high-quality, cost-effective housing; and improved quality of life for at-risk neighborhoods.

Funding will be utilized to establish and leverage comprehensive, multi-objective planning; demonstrate long-term stability; and expand relationships among local, state, federal, and private partners. This engagement will encourage inclusivity among political subdivisions, assess hydrologic conditions and pursue scientifically-based strategic solutions. Iowa is well positioned and the timing is right for this type of sustained resiliency effort through the establishment and ongoing efforts of the Watershed Management Authorities through the Iowa Department of Agriculture and Land Stewardship, Iowa Department of Transportation, Iowa Department of Natural Resources, Iowa Watershed Management Authorities, the University of Iowa's Iowa Flood Center, Iowa State University's Water Center, the USDA Natural Resources Conservation Service , Iowa-based agricultural producer groups and associations, private environmental groups, and a multitude of other partners.

The outcome of a watershed-based approach benefits everyone within the watershed. The State, in collaboration with its partners, believes that its proposed watershed-based program will reduce peak flows by 30 percent, thereby creating sustainable and resilient conditions that address and anticipate changing climate conditions in urban and rural watersheds. Finally, these efforts will culminate in a replicable model that reduces peak water flows, enhances water quality, improves soil health and reduces soil erosion.

Exhibit B  
Threshold Requirements

## Appendix G responses

The state of Iowa (State) is an eligible applicant for aid through the National Disaster Resiliency Grant competition as listed in Appendix B of the Notice of Funds Availability (NOFA).

Additionally, all county and sub-county geographies considered for inclusion in this application are eligible according to Appendix B of the NOFA.

The state of Iowa intends to select eligible activities for implementation of the National Disaster Resiliency grant as identified in Phase 2 of the application process in accordance with Appendix A of the NOFA. The activities selected will be evaluated for reasonably expected improvement on the conditions that contribute to the target area's most impacted and distressed characteristics with unmet recovery needs. As demonstrated in Exhibit G, the state of Iowa has implemented permanent measures to address impact and distress not only in the eligible areas for this NOFA, but in areas across the state. Additionally, the State intends to focus the impacts of the eligible activities to meet the overall benefit mandate of serving those communities that have 51% or greater low to moderate income populations. Each selected activity will tie back to the geography and event that contributed to its status as eligible and most impacted and distressed with unmet recovery needs. The state of Iowa intends to select activities that best meet national objectives as established by the CDBG Disaster Recovery program.

Certifications can be found in Attachment C of the application.

### **Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is the City of Dubuque as a result of Severe Storms and Flooding (DR-4018) that occurred in 2011. The area is a sub-county area within Dubuque County, which was declared Major Disaster Area under the Stafford Act.

*Name of Area: City of Dubuque*

Dubuque exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from Severe Storms and Flooding (DR-4018) that occurred in 2011, as demonstrated below:

***Most Impacted Characteristics***

HOUSING – Following the July 2011 storms, the City of Dubuque received reports of damage to 200+ homes concentrated in the Bee Branch Creek target area. Impacts included flooded basements, collapsed foundations, destroyed furnaces and water heaters, and other structural damages. Substantiating data includes City records of calls to pump flooded homes, as well as records of calls for volunteer assistance. For Dubuque records supporting the Most Impacted Characteristics criteria, see [Attachment E – City of Dubuque](#).

***Most Distressed Characteristics***

HOUSING – Census tracts 1, 4, 5, 6, and 11.2 are in the flood-prone area. Approximately 69% of the people in the flood-prone area are at less than 80% median income. Substantiating data includes percentage of low and moderate income information for Census tracts 1, 4, 5, 6, 11.02. For maps showing the most impacted area, see Attachment E, B-10 CDBG Target Areas 2014 – with Bee Branch. Dubuque routinely spends a significant portion of its CDBG resources in the area identified for disaster assistance. See [Most Distressed Characteristics, Census and ACS Data](#), and [Summary](#) for Census Bureau data supporting the Most Distressed Characteristics criteria.

**Unmet Recovery Needs Threshold**



While Dubuque did receive earmarked CDBG Disaster Recovery funds to address the July 2011 storms, the City has Unmet Recovery Needs that have not been addressed by Federal, state, or other sources, in the area(s) identified in this letter as “most impacted and distressed.”

HOUSING – A windshield survey of the impacted Bee Branch Creek area, conducted in October 2014, identified 23 households that still remain damaged as a result of the July 2011 storms. The addresses of 20 of those households include:

- |                              |                           |
|------------------------------|---------------------------|
| 1. 2935 Jackson St           | 13. 2517 Elm St           |
| 2. 351 E 15 <sup>th</sup> St | 14. 2007 Kniest St        |
| 3. 2119 Elm St               | 15. 2440 Elm St           |
| 4. 2485 White St             | 16. 911 /913 Garfield Ave |
| 5. 2491 Jackson St           | 17. 2279 Jackson St       |
| 6. 2307 Kaufmann Ave         | 18. 2422 White St         |
| 7. 2845 White St             | 19. 2477 Jackson St       |
| 8. 1654 Manson Rd            | 20. 2322 Jackson St       |
| 9. 2605 Kerper Blvd          | 21. 2108 Washington St    |
| 10. 922 Garfield             | 22. 2170 Jackson St       |
| 11. 762 Cleveland Ave        |                           |
| 12. 1560 Wood St             |                           |

Dubuque also conducted surveys with 10 households in October 2014 to confirm that the identified damages were a result of the July 2011 storms, and verify that repairs have not been

made because of a lack of resources from insurance/FEMA/SBA. The results for 9 households from that survey include:

1. 762 Cleveland Ave – One area of collapsed earth wall has been replaced with concrete wall and metal hatch partial installed but not secured to stairwell. Furnace igniter only replaced and not in good condition, should be replaced. Water heater burner was only cleaned. Exterior damage to siding.
2. 1443 Elm St – Exterior damage to limestone foundation (cracked, misaligned and lacking mortar in joints).
3. 2440 Elm St – Basement windows lack proper galvanized window well covers. Basement windows have wood form attached to concrete foundation.
4. 2517 Elm St – Block foundation misaligned at corner with missing mortar in joints. Basement windows covered with wood. Front concrete stoop deteriorated and pitched back against foundation.
5. 922 Garfield – Home vacated by original owners. New owner made some structural repairs but rear addition is still undermined and has structural damage.
6. 2605 Kerper Blvd – Misaligned block foundation. Front concrete stoop and exterior concrete cellar stairs are undermined.
7. 2007 Kniest St – Settling of foundation visible on brick exterior. Holes in limestone foundation. Window well filled in with dirt. Building exterior is in deteriorated condition.
8. 2845 White St – Limestone foundation has missing mortar in joints. Rear block foundation is leaning outward indicating settling of foundation.

9. 1560 Wood St – Damage to siding from removal of wood stairs and deck to side entrance door that has not been replaced. Cracked and undermined concrete sidewalks.

Substantiating data includes the reports of the windshield survey and responses from surveyed households. See 2014 [Housing Survey of Bee Branch Creek Area](#) for City records supporting the Unmet Recovery Needs Threshold criteria.

**Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Allamakee County, Sub-County Area #1, consisting of Census Tract numbers 9601, 9602, 9603, and 9604, as a result of presidentially declared disaster DR-4135 occurring in calendar year 2013. The area is within Allamakee County.

***Allamakee County, Sub-County Area #1***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from the impacts from DR-4135 which occurred in calendar year 2013.

***Methodology***

To determine Most Impacted and Unmet Recovery Needs thresholds, the state utilized FEMA Project Worksheets, Engineering Reports, as well as Sources and Uses statements. Project Worksheets were obtained through the Emergency Management Mission Integrated Environment (EMMIE), which is FEMA's internet-based enterprise wide eGrants system. Engineering Reports and Sources and Uses statements were obtained from each qualified sub-county area and their respective engineer. To make threshold determinations, damages to permanent public infrastructure and located within qualified distressed sub-county areas were included in threshold determinations. Furthermore, damages in occurring in contiguous census tracts were aggregated and included in threshold determinations.

To determine distressed areas, the state utilized the database of impaired waters as listed by the Iowa Department of Natural Resources as either Category 4 (impaired/polluted waters, but no



## Exhibit B - Most Impacted and Distressed by Infrastructure Damage Sub-County Areas

total maximum daily load [TMDL] monitoring required) or Category 5 (impaired/polluted waters under the jurisdiction of the EPA through section 303d of the Clean Water Act) as the main indicator of the presence of pollutants within the watershed. Because HUD does not recognize watersheds as eligible geographies, a Geographic Information System was used to select the eligible geographies that were present within the impaired watershed. For the purposes of completing the application for the National Disaster Resiliency Competition, the eligible geography was determined to be the 2010 census tract. For a list of impaired waters, please see [2012 Impaired Streams – Iowa DNR](#). For a list of the relationship between impaired stream watersheds and corresponding census tracts, please see [Environmental Distress Data Impaired HUC & Census Tracts](#), and the corresponding map for this list in [Impaired Streams, HUC & Census Tracts](#).

### *Most Impacted Characteristics*

The sub-county area has prior documented damage to permanent public infrastructure in the amount of \$2,752,381, determined from FEMA Project Worksheets and/or Engineering Reports, which were used to document eligible costs. This amount also includes any extra costs, which will be needed in the future to repair the damaged infrastructure resiliently, but have not yet been incurred due to inadequate resources. Contiguous census tracts were aggregated, as applicable, to determine most impacted sub-county areas. Aggregated contiguous census tracts that compose Allamakee County, Sub-County Area #1 are Census Tract numbers 9601, 9602, 9603, and 9604. For supporting documentation including census tract amounts, FEMA project Worksheets, and engineering reports can be found in [Allamakee Sub-County Area #1](#) supporting documentation.

### *Most Distressed Characteristics*

## Exhibit B - Most Impacted and Distressed by Infrastructure Damage Sub-County Areas

The sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean Water Act) stream segment within the Upper Iowa River and Mississippi River – Yellow River watersheds. The presence of pollutants was increased through the events that occurred in disaster DR-4135 occurring in calendar year 2013, magnifying existing problems in the watershed, and downstream of this sub-county area. These watersheds contain part of the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area. For supporting documentation on distressed characteristics, see [Environmental Distress Data](#).

### **Unmet Recovery Needs Threshold**

The sub-county area sustained damage to permanent public infrastructure that has not yet been repaired due to inadequate resources. Contiguous census tracts were aggregated, as applicable, to determine the sub-county area's fulfillment of the minimum \$400,000 in unfunded permanent infrastructure needs. Allamakee County, Sub-County Area #1, Census Tract number(s) 9603 has a documented unmet need in the amount of \$1,150,000 according to FEMA Project Worksheets and/or Engineering Reports, along with sources and uses statements, which were used to determine and document eligible costs. For documentation supporting unmet recovery needs, see [Allamakee Sub-County Area #1](#) supporting documentation.

**Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Benton County, Sub-County Area #1, consisting of Census Tract numbers 9601, 9602, 9603, and 9604, as a result of presidentially declared disasters DR-4016 occurring in calendar year 2011, and DR-4126 and DR-4135 occurring in calendar year 2013. The area is within Benton County.

***Benton County, Sub-County Area #1***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from the impacts from disaster DR-4016 which occurred in calendar year 2011, and disasters DR-4126 and DR-4135, which occurred in calendar year 2013.

***Methodology***

To determine Most Impacted and Unmet Recovery Needs thresholds, the state utilized FEMA Project Worksheets, Engineering Reports, as well as Sources and Uses statements. Project Worksheets were obtained through the Emergency Management Mission Integrated Environment (EMMIE), which is FEMA's internet-based enterprise wide eGrants system. Engineering Reports and Sources and Uses statements were obtained from each qualified sub-county area and their respective engineer. To make threshold determinations, damages to permanent public infrastructure and located within qualified distressed sub-county areas were included in threshold determinations. Furthermore, damages in occurring in contiguous census tracts were aggregated and included in threshold determinations.

## Exhibit B - Most Impacted and Distressed by Infrastructure Damage Sub-County Areas

To determine distressed areas, the state utilized the database of impaired waters as listed by the Iowa Department of Natural Resources as either Category 4 (impaired/polluted waters, but no total maximum daily load [TMDL] monitoring required) or Category 5 (impaired/polluted waters under the jurisdiction of the EPA through section 303d of the Clean Water Act) as the main indicator of the presence of pollutants within the watershed. Because HUD does not recognize watersheds as eligible geographies, a Geographic Information System was used to select the eligible geographies that were present within the impaired watershed. For the purposes of completing the application for the National Disaster Resiliency Competition, the eligible geography was determined to be the 2010 census tract. For a list of impaired waters, please see [2012 Impaired Streams – Iowa DNR](#). For a list of the relationship between impaired stream watersheds and corresponding census tracts, please see [Impaired HUC & Census Tracts](#), and the corresponding map for this list in [Impaired Streams, HUC & Census Tracts](#).

### *Most Impacted Characteristics*

The sub-county area has prior documented damage to permanent public infrastructure in the amount of \$4,955,844, determined from FEMA Project Worksheets and/or Engineering Reports, which were used to document eligible costs. This amount also includes any extra costs, which will be needed in the future to repair the damaged infrastructure resiliently, but have not yet been incurred due to inadequate resources. Contiguous census tracts were aggregated, as applicable, to determine most impacted sub-county areas. Aggregated contiguous census tracts that compose Benton County, Sub-County Area #1 are Census Tract numbers 9601, 9602, 9603, and 9604. For supporting documentation including census tract amounts, FEMA project Worksheets, and



## Exhibit B - Most Impacted and Distressed by Infrastructure Damage Sub-County Areas

engineering reports can be found in [Benton County, Sub-County Area #1](#) supporting documentation.

### *Most Distressed Characteristics*

The sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean Water Act) stream segment within the Cedar River – Middle, and Iowa River – Middle watersheds. The presence of pollutants was increased through the events that occurred in disaster DR-4016 occurring in calendar year 2011, and disasters DR-4126 and DR-4135 occurring in calendar year 2013, magnifying existing problems in the watershed, and downstream of this sub-county area. These watersheds contain part of the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area. For supporting documentation on distressed characteristics, see [Environmental Distress Data](#).

### **Unmet Recovery Needs Threshold**

The sub-county area sustained damage to permanent public infrastructure that has not yet been repaired due to inadequate resources. Contiguous census tracts were aggregated, as applicable, to determine the sub-county area's fulfillment of the minimum \$400,000 in unfunded permanent infrastructure needs. Benton County, Sub-County Area #1, Census Tract number(s) 9603 has a documented unmet need in the amount of \$772,390 according to FEMA Project Worksheets and/or Engineering Reports, along with sources and uses statements, which were used to determine and document eligible costs. For documentation supporting unmet recovery needs, see [Benton County, Sub-County Area #1](#) supporting documentation.

**Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Buena Vista County, Sub-County Area #1, consisting of Census Tract numbers 9602, 9603, 9604, 9605, and 9606 as a result of presidentially declared disasters DR-1977 occurring in calendar year 2011, and DR-4126 occurring in calendar year 2013. The area is within Buena Vista County.

***Buena Vista County, Sub-County Area #1***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from the impacts from DR-1977, which occurred in calendar year 2011, and DR-4126 which occurred in calendar year 2013.

***Methodology***

To determine Most Impacted and Unmet Recovery Needs thresholds, the state utilized FEMA Project Worksheets, Engineering Reports, as well as Sources and Uses statements. Project Worksheets were obtained through the Emergency Management Mission Integrated Environment (EMMIE), which is FEMA's internet-based enterprise wide eGrants system. Engineering Reports and Sources and Uses statements were obtained from each qualified sub-county area and their respective engineer. To make threshold determinations, damages to permanent public infrastructure and located within qualified distressed sub-county areas were included in threshold determinations. Furthermore, damages in occurring in contiguous census tracts were aggregated and included in threshold determinations.

To determine distressed areas, the state utilized the database of impaired waters as listed by the Iowa Department of Natural Resources as either Category 4 (impaired/polluted waters, but no

## Exhibit B - Most Impacted and Distressed by Infrastructure Damage Sub-County Areas

total maximum daily load [TMDL] monitoring required) or Category 5 (impaired/polluted waters under the jurisdiction of the EPA through section 303d of the Clean Water Act) as the main indicator of the presence of pollutants within the watershed. Because HUD does not recognize watersheds as eligible geographies, a Geographic Information System was used to select the eligible geographies that were present within the impaired watershed. For the purposes of completing the application for the National Disaster Resiliency Competition, the eligible geography was determined to be the 2010 census tract. For a list of impaired waters, please see [2012 Impaired Streams – Iowa DNR](#). For a list of the relationship between impaired stream watersheds and corresponding census tracts, please see [Impaired HUC & Census Tracts](#), and the corresponding map for this list in [Impaired Streams, HUC & Census Tracts](#).

### *Most Impacted Characteristics*

The sub-county area has prior documented damage to permanent public infrastructure in the amount of \$5,635,426, determined from FEMA Project Worksheets and/or Engineering Reports, which were used to document eligible costs. This amount also includes any extra costs, which will be needed in the future to repair the damaged infrastructure resiliently, but have not yet been incurred due to inadequate resources. Contiguous census tracts were aggregated, as applicable, to determine most impacted sub-county areas. Aggregated contiguous census tracts that compose Buena Vista County, Sub-County Area #1 are Census Tract numbers 9602, 9603, 9604, 9605, and 9606. For supporting documentation including census tract amounts, FEMA project Worksheets, and engineering reports can be found in [Buena Vista County, Sub-County Area #1](#) supporting documentation.

### *Most Distressed Characteristics*

## Exhibit B - Most Impacted and Distressed by Infrastructure Damage Sub-County Areas

The sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean Water Act) stream segment within the Little Sioux River, Raccoon River, Boyer River and Maple River watersheds. The presence of pollutants was increased through the events that occurred in disaster DR-1977 occurring in calendar year 2011, and DR-4126 occurring in calendar year 2013, magnifying existing problems in the watershed, and downstream of this sub-county area. These watersheds contain part of the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area. For supporting documentation on distressed characteristics, see [Environmental Distress Data](#).

### **Unmet Recovery Needs Threshold**

The sub-county area sustained damage to permanent public infrastructure that has not yet been repaired due to inadequate resources. Contiguous census tracts were aggregated, as applicable, to determine the sub-county area's fulfillment of the minimum \$400,000 in unfunded permanent infrastructure needs. Buena Vista County, Sub-County Area #1, Census Tract number(s) 9605 has a documented unmet need in the amount of \$4,143,000 according to FEMA Project Worksheets and/or Engineering Reports, along with sources and uses statements, which were used to determine and document eligible costs. For documentation supporting unmet recovery needs, see [Buena Vista County, Sub-County Area #1](#) supporting documentation.



**Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Dubuque County, Sub-County Area #1, consisting of Census Tract numbers 1, 4, 5, 8.01, 9, 101.03, 101.04, 101.05, 102.01, 102.02, 103, 104, and 106, as a result of presidentially declared disaster DR-4018 occurring in calendar year 2011. The area is within Dubuque County.

***Dubuque County, Sub-County Area #1***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from the impacts from DR-4018, which occurred in calendar year 2011.

***Methodology***

To determine Most Impacted and Unmet Recovery Needs thresholds, the state utilized FEMA Project Worksheets, Engineering Reports, as well as Sources and Uses statements. Project Worksheets were obtained through the Emergency Management Mission Integrated Environment (EMMIE), which is FEMA's internet-based enterprise wide eGrants system. Engineering Reports and Sources and Uses statements were obtained from each qualified sub-county area and their respective engineer. To make threshold determinations, damages to permanent public infrastructure and located within qualified distressed sub-county areas were included in threshold determinations. Furthermore, damages in occurring in contiguous census tracts were aggregated and included in threshold determinations.

To determine distressed areas, the state utilized the database of impaired waters as listed by the Iowa Department of Natural Resources as either Category 4 (impaired/polluted waters, but no

## Exhibit B - Most Impacted and Distressed by Infrastructure Damage Sub-County Areas

total maximum daily load [TMDL] monitoring required) or Category 5 (impaired/polluted waters under the jurisdiction of the EPA through section 303d of the Clean Water Act) as the main indicator of the presence of pollutants within the watershed. Because HUD does not recognize watersheds as eligible geographies, a Geographic Information System was used to select the eligible geographies that were present within the impaired watershed. For the purposes of completing the application for the National Disaster Resiliency Competition, the eligible geography was determined to be the 2010 census tract. For a list of impaired waters, please see [2012 Impaired Streams – Iowa DNR](#). For a list of the relationship between impaired stream watersheds and corresponding census tracts, please see [Impaired HUC & Census Tracts](#), and the corresponding map for this list in [Impaired Streams, HUC & Census Tracts](#).

### *Most Impacted Characteristics*

The sub-county area has prior documented damage to permanent public infrastructure in the amount of \$15,156,401, determined from FEMA Project Worksheets and/or Engineering Reports, which were used to document eligible costs. This amount also includes any extra costs, which will be needed in the future to repair the damaged infrastructure resiliently, but have not yet been incurred due to inadequate resources. Contiguous census tracts were aggregated, as applicable, to determine most impacted sub-county areas. Aggregated contiguous census tracts that compose Dubuque County, Sub-County Area #1 are Census Tract numbers 1, 4, 5, 8.01, 9, 101.03, 101.04, 101.05, 102.01, 102.02, 103, 104, and 106. For supporting documentation including census tract amounts, FEMA project Worksheets, and engineering reports can be found in [Dubuque County, Sub-County Area #1](#) supporting documentation.

### *Most Distressed Characteristics*

## Exhibit B - Most Impacted and Distressed by Infrastructure Damage Sub-County Areas

The sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean Water Act) stream segment within the Mississippi River – Little Maquoketa River, Mississippi River – Catfish Creek, and Maquoketa River watersheds. The presence of pollutants was increased through the events that occurred in disaster DR-4018 occurring in calendar year 2011, magnifying existing problems in the watershed, and downstream of this sub-county area. These watersheds contain part of the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area. For supporting documentation on distressed characteristics, see [Environmental Distress Data](#).

### **Unmet Recovery Needs Threshold**

The sub-county area sustained damage to permanent public infrastructure that has not yet been repaired due to inadequate resources. Contiguous census tracts were aggregated, as applicable, to determine the sub-county area's fulfillment of the minimum \$400,000 in unfunded permanent infrastructure needs. Dubuque County, Sub-County Area #1, Census Tract number(s) 1 has a documented unmet need in the amount of \$11,521,190 according to FEMA Project Worksheets and/or Engineering Reports, along with sources and uses statements, which were used to determine and document eligible costs. For documentation supporting unmet recovery needs, see [Dubuque County, Sub-County Area #1](#) supporting documentation.

**Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Lee County, Sub-County Area #1, consisting of Census Tract numbers 4901, 4902, 4903, 4904, 4906, and 4908 as a result of presidentially declared disasters DR-4119 and DR-4126 occurring in calendar year 2013. The area is within Lee County.

***Lee County, Sub-County Area #1***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from the impacts from DR-4119 and DR-4126, which occurred in calendar year 2013.

***Methodology***

To determine Most Impacted and Unmet Recovery Needs thresholds, the state utilized FEMA Project Worksheets, Engineering Reports, as well as Sources and Uses statements. Project Worksheets were obtained through the Emergency Management Mission Integrated Environment (EMMIE), which is FEMA's internet-based enterprise wide eGrants system. Engineering Reports and Sources and Uses statements were obtained from each qualified sub-county area and their respective engineer. To make threshold determinations, damages to permanent public infrastructure and located within qualified distressed sub-county areas were included in threshold determinations. Furthermore, damages in occurring in contiguous census tracts were aggregated and included in threshold determinations.



## Exhibit B - Most Impacted and Distressed by Infrastructure Damage Sub-County Areas

To determine distressed areas, the state utilized the database of impaired waters as listed by the Iowa Department of Natural Resources as either Category 4 (impaired/polluted waters, but no total maximum daily load [TMDL] monitoring required) or Category 5 (impaired/polluted waters under the jurisdiction of the EPA through section 303d of the Clean Water Act) as the main indicator of the presence of pollutants within the watershed. Because HUD does not recognize watersheds as eligible geographies, a Geographic Information System was used to select the eligible geographies that were present within the impaired watershed. For the purposes of completing the application for the National Disaster Resiliency Competition, the eligible geography was determined to be the 2010 census tract. For a list of impaired waters, please see [2012 Impaired Streams – Iowa DNR](#). For a list of the relationship between impaired stream watersheds and corresponding census tracts, please see [Impaired HUC & Census Tracts](#), and the corresponding map for this list in [Impaired Streams, HUC & Census Tracts](#).

### *Most Impacted Characteristics*

The sub-county area has prior documented damage to permanent public infrastructure in the amount of \$3,476,081, determined from FEMA Project Worksheets and/or Engineering Reports, which were used to document eligible costs. This amount also includes any extra costs, which will be needed in the future to repair the damaged infrastructure resiliently, but have not yet been incurred due to inadequate resources. Contiguous census tracts were aggregated, as applicable, to determine most impacted sub-county areas. Aggregated contiguous census tracts that compose Lee County, Sub-County Area #1 are Census Tract numbers 4901, 4902, 4903, 4904, 4906, and 4908. For supporting documentation including census tract amounts, FEMA project Worksheets,

and engineering reports can be found in [Lee County, Sub-County Area #1](#) supporting documentation.

***Most Distressed Characteristics***

The sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean Water Act) stream segment within the Mississippi River – Flint Creek and Des Moines River – Soap Creek watersheds. The presence of pollutants was increased through the events that occurred in disaster DR-4119 and DR-4126 occurring in calendar year 2013, magnifying existing problems in the watershed, and downstream of this sub-county area. These watersheds contain part of the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area. For supporting documentation on distressed characteristics, see [Environmental Distress Data](#).

**Unmet Recovery Needs Threshold**

The sub-county area sustained damage to permanent public infrastructure that has not yet been repaired due to inadequate resources. Contiguous census tracts were aggregated, as applicable, to determine the sub-county area’s fulfillment of the minimum \$400,000 in unfunded permanent infrastructure needs. Lee County, Sub-County Area #1, Census Tract number(s) 4902 has a documented unmet need in the amount of \$1,770,000 according to FEMA Project Worksheets and/or Engineering Reports, along with sources and uses statements, which were used to determine and document eligible costs. For documentation supporting unmet recovery needs, see [Lee County, Sub-County Area #1](#) supporting documentation.

**Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Lyon County, Sub-County Area #1, consisting of Census Tract numbers 9501 and 9502, as a result of presidentially declared disaster DR-4114 occurring in calendar year 2013. The area is within Lyon County.

***Lyon County, Sub-County Area #1***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from the impacts from DR-4114 which occurred in calendar year 2013.

***Methodology***

To determine Most Impacted and Unmet Recovery Needs thresholds, the state utilized FEMA Project Worksheets, Engineering Reports, as well as Sources and Uses statements. Project Worksheets were obtained through the Emergency Management Mission Integrated Environment (EMMIE), which is FEMA's internet-based enterprise wide eGrants system. Engineering Reports and Sources and Uses statements were obtained from each qualified sub-county area and their respective engineer. To make threshold determinations, damages to permanent public infrastructure and located within qualified distressed sub-county areas were included in threshold determinations. Furthermore, damages in occurring in contiguous census tracts were aggregated and included in threshold determinations.

To determine distressed areas, the state utilized the database of impaired waters as listed by the Iowa Department of Natural Resources as either Category 4 (impaired/polluted waters, but no total maximum daily load [TMDL] monitoring required) or Category 5 (impaired/polluted waters

## Exhibit B - Most Impacted and Distressed by Infrastructure Damage Sub-County Areas

under the jurisdiction of the EPA through section 303d of the Clean Water Act) as the main indicator of the presence of pollutants within the watershed. Because HUD does not recognize watersheds as eligible geographies, a Geographic Information System was used to select the eligible geographies that were present within the impaired watershed. For the purposes of completing the application for the National Disaster Resiliency Competition, the eligible geography was determined to be the 2010 census tract. For a list of impaired waters, please see [2012 Impaired Streams – Iowa DNR](#). For a list of the relationship between impaired stream watersheds and corresponding census tracts, please see [Impaired HUC & Census Tracts](#), and the corresponding map for this list in [Impaired Streams, HUC & Census Tracts](#).

### ***Most Impacted Characteristics***

The sub-county area has prior documented damage to permanent public infrastructure in the amount of \$4,992,748, determined from FEMA Project Worksheets and/or Engineering Reports, which were used to document eligible costs. This amount also includes any extra costs, which will be needed in the future to repair the damaged infrastructure resiliently, but have not yet been incurred due to inadequate resources. Contiguous census tracts were aggregated, as applicable, to determine most impacted sub-county areas. Aggregated contiguous census tracts that compose Lyon County, Sub-County Area #1 are Census Tract numbers 9501 and 9502. For supporting documentation including census tract amounts, FEMA project Worksheets, and engineering reports can be found in [Lyon County, Sub-County Area #1](#) supporting documentation.

### ***Most Distressed Characteristics***

The sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean



## Exhibit B - Most Impacted and Distressed by Infrastructure Damage Sub-County Areas

Water Act) stream segment within the Rock River watershed. The presence of pollutants was increased through the events that occurred in disaster DR-4114 occurring in calendar year 2013, magnifying existing problems in the watershed, and downstream of this sub-county area. This watershed contains the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area. For supporting documentation on distressed characteristics, see [Environmental Distress Data](#).

### **Unmet Recovery Needs Threshold**

The sub-county area sustained damage to permanent public infrastructure that has not yet been repaired due to inadequate resources. Contiguous census tracts were aggregated, as applicable, to determine the sub-county area's fulfillment of the minimum \$400,000 in unfunded permanent infrastructure needs. Lyon County, Sub-County Area #1, Census Tract number(s) 9502 has a documented unmet need in the amount of \$1,065,000 according to FEMA Project Worksheets and/or Engineering Reports, along with sources and uses statements, which were used to determine and document eligible costs. For documentation supporting unmet recovery needs, see [Lyon County, Sub-County Area #1](#) supporting documentation.

**Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Pottawattamie County, Sub-County Area #1, consisting of Census Tract numbers 212, 214, 304.01, and 318, as a result of presidentially declared disaster DR-1998 occurring in calendar year 2011. The area is within Pottawattamie County.

***Pottawattamie County, Sub-County Area #1***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from the impacts from DR-1998 which occurred in calendar year 2011.

***Methodology***

To determine Most Impacted and Unmet Recovery Needs thresholds, the state utilized FEMA Project Worksheets, Engineering Reports, as well as Sources and Uses statements. Project Worksheets were obtained through the Emergency Management Mission Integrated Environment (EMMIE), which is FEMA's internet-based enterprise wide eGrants system. Engineering Reports and Sources and Uses statements were obtained from each qualified sub-county area and their respective engineer. To make threshold determinations, damages to permanent public infrastructure and located within qualified distressed sub-county areas were included in threshold determinations. Furthermore, damages in occurring in contiguous census tracts were aggregated and included in threshold determinations.

To determine distressed areas, the state utilized the database of impaired waters as listed by the Iowa Department of Natural Resources as either Category 4 (impaired/polluted waters, but no

## Exhibit B - Most Impacted and Distressed by Infrastructure Damage Sub-County Areas

total maximum daily load [TMDL] monitoring required) or Category 5 (impaired/polluted waters under the jurisdiction of the EPA through section 303d of the Clean Water Act) as the main indicator of the presence of pollutants within the watershed. Because HUD does not recognize watersheds as eligible geographies, a Geographic Information System was used to select the eligible geographies that were present within the impaired watershed. For the purposes of completing the application for the National Disaster Resiliency Competition, the eligible geography was determined to be the 2010 census tract. For a list of impaired waters, please see [2012 Impaired Streams – Iowa DNR](#). For a list of the relationship between impaired stream watersheds and corresponding census tracts, please see [Impaired HUC & Census Tracts](#), and the corresponding map for this list in [Impaired Streams, HUC & Census Tracts](#).

### *Most Impacted Characteristics*

The sub-county area has prior documented damage to permanent public infrastructure in the amount of \$4,078,717, determined from FEMA Project Worksheets and/or Engineering Reports, which were used to document eligible costs. This amount also includes any extra costs, which will be needed in the future to repair the damaged infrastructure resiliently, but have not yet been incurred due to inadequate resources. Contiguous census tracts were aggregated, as applicable, to determine most impacted sub-county areas. Aggregated contiguous census tracts that compose Pottawattamie County, Sub-County Area #1 are Census Tract numbers 212, 214, 304.01, and 318. For supporting documentation including census tract amounts, FEMA project Worksheets, and engineering reports can be found in [Pottawattamie County, Sub-County Area #1](#) supporting documentation.

### *Most Distressed Characteristics*

## Exhibit B - Most Impacted and Distressed by Infrastructure Damage Sub-County Areas

The sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean Water Act) stream segment within the Boyer River, and Missouri River – Mosquito Creek watersheds. The presence of pollutants was increased through the events that occurred in disaster DR-1998 occurring in calendar year 2011, magnifying existing problems in the watershed, and downstream of this sub-county area. These watersheds contain part of the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area. For supporting documentation on distressed characteristics, see [Environmental Distress Data](#).

### **Unmet Recovery Needs Threshold**

The sub-county area sustained damage to permanent public infrastructure that has not yet been repaired due to inadequate resources. Contiguous census tracts were aggregated, as applicable, to determine the sub-county area's fulfillment of the minimum \$400,000 in unfunded permanent infrastructure needs. Pottawattamie County, Sub-County Area #1, Census Tract number(s) 212 has a documented unmet need in the amount of \$4,452,300 according to FEMA Project Worksheets and/or Engineering Reports, along with sources and uses statements, which were used to determine and document eligible costs. For documentation supporting unmet recovery needs, see [Pottawattamie County, Sub-County Area #1](#) supporting documentation.



**Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Tama County, Sub-County Area #1, consisting of Census Tract numbers 2902, 2903, 2904, 2905, and 2906, as a result of presidentially declared disasters DR-4016, occurring in 2011, and DR-4126 occurring in calendar year 2013. The area is within Tama County.

***Tama County, Sub-County Area #1***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from the impacts from DR-4016, which occurred in calendar year 2011, and DR-4126 which occurred in calendar year 2013.

***Methodology***

To determine Most Impacted and Unmet Recovery Needs thresholds, the state utilized FEMA Project Worksheets, Engineering Reports, as well as Sources and Uses statements. Project Worksheets were obtained through the Emergency Management Mission Integrated Environment (EMMIE), which is FEMA's internet-based enterprise wide eGrants system. Engineering Reports and Sources and Uses statements were obtained from each qualified sub-county area and their respective engineer. To make threshold determinations, damages to permanent public infrastructure and located within qualified distressed sub-county areas were included in threshold determinations. Furthermore, damages in occurring in contiguous census tracts were aggregated and included in threshold determinations.

To determine distressed areas, the state utilized the database of impaired waters as listed by the Iowa Department of Natural Resources as either Category 4 (impaired/polluted waters, but no

## Exhibit B - Most Impacted and Distressed by Infrastructure Damage Sub-County Areas

total maximum daily load [TMDL] monitoring required) or Category 5 (impaired/polluted waters under the jurisdiction of the EPA through section 303d of the Clean Water Act) as the main indicator of the presence of pollutants within the watershed. Because HUD does not recognize watersheds as eligible geographies, a Geographic Information System was used to select the eligible geographies that were present within the impaired watershed. For the purposes of completing the application for the National Disaster Resiliency Competition, the eligible geography was determined to be the 2010 census tract. For a list of impaired waters, please see [2012 Impaired Streams – Iowa DNR](#). For a list of the relationship between impaired stream watersheds and corresponding census tracts, please see [Impaired HUC & Census Tracts](#), and the corresponding map for this list in [Impaired Streams, HUC & Census Tracts](#).

### *Most Impacted Characteristics*

The sub-county area has prior documented damage to permanent public infrastructure in the amount of \$3,453,258, determined from FEMA Project Worksheets and/or Engineering Reports, which were used to document eligible costs. This amount also includes any extra costs, which will be needed in the future to repair the damaged infrastructure resiliently, but have not yet been incurred due to inadequate resources. Contiguous census tracts were aggregated, as applicable, to determine most impacted sub-county areas. Aggregated contiguous census tracts that compose Tama County, Sub-County Area #1 are Census Tract numbers 2902, 2903, 2904, 2905, and 2906. For supporting documentation including census tract amounts, FEMA project Worksheets, and engineering reports can be found in [Tama County, Sub-County Area #1](#) supporting documentation.

### *Most Distressed Characteristics*

## Exhibit B - Most Impacted and Distressed by Infrastructure Damage Sub-County Areas

The sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean Water Act) stream segment within the Cedar River – Middle and Iowa River - Middle watersheds. The presence of pollutants was increased through the events that occurred in disasters DR-4016, occurring in calendar year 2011, and DR-4126 occurring in calendar year 2013, magnifying existing problems in the watershed, and downstream of this sub-county area. These watersheds contain part of the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area. For supporting documentation on distressed characteristics, see [Environmental Distress Data](#).

### **Unmet Recovery Needs Threshold**

The sub-county area sustained damage to permanent public infrastructure that has not yet been repaired due to inadequate resources. Contiguous census tracts were aggregated, as applicable, to determine the sub-county area's fulfillment of the minimum \$400,000 in unfunded permanent infrastructure needs. Tama County, Sub-County Area #1, Census Tract number(s) 2902, 2903, 2904, 2905, and 2906 have a documented unmet need in the amount of \$503,147 according to FEMA Project Worksheets and/or Engineering Reports, along with sources and uses statements, which were used to determine and document eligible costs. For documentation supporting unmet recovery needs, see [Tama County, Sub-County Area #1](#) supporting documentation.

### **Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Cherokee County, Census Tract 803 as a result of DR-1977 that occurred in 2011. The area is within Cherokee County.

#### ***Cherokee County, Census Tract 803***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from DR-1977.

#### ***Methodology***

To determine the most impacted sub-county areas by environmental degradation, the Iowa Homeland Security and Emergency Management Department consulted with experts from the Natural Resources Conservation Service of the United States Department of Agriculture and the Department of Agronomy at Iowa State University to determine the best method of evaluating environmental degradation as it relates to Iowa's land and water. Through this consultation, a methodology was developed to identify the most impacted areas of the state based on the events contributing to the eligible presidentially declared disasters. This methodology can be viewed in [Iowa Environmental Degradation Determination Methodology](#).

#### ***Most Impacted Characteristics***

This sub-county area qualifies as impacted under criterion D of Appendix G - Environmental Degradation. The designated sub-county area had excessive soil loss as a result of the impacts of disaster DR-1977. This soil loss resulted in increased sediment delivery to waterways in the immediate vicinity, and further downstream effects. This in turn introduced pollutants into the



## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

stream system, including nitrates and phosphorus, which would otherwise be available as fertilizer, which helps in maintaining and supplementing nutrients in the soil. This adds to the Gulf of Mexico hypoxia problem (dead zone), a national environmental concern. The excessive loss of topsoil during the disaster event period degraded the productive capability of the land, resulting in permanently lower crop yields without the addition of even more nutrients and other costly inputs, which places economic revitalization at risk. The reduced productive capability as a result of the loss of topsoil means that further inputs (fertilizer) will need to be introduced to maintain the productivity of the soil, introducing additional economic burdens on producers in the area, and perpetuating the environmental degradation of this area and interrelated areas downstream. If another event occurs, the area can expect to see further impacts in loss of productivity of the soils, and loss of nutrients, which accelerates the environmental degradation downstream. See [DR-1977 Most Impacted](#) data for maps and supporting analysis documentation.

### ***Most Distressed Characteristics***

This sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean Water Act) stream segment within the Little Sioux River watershed. The presence of pollutants was increased through the events that occurred in disaster DR-1977, magnifying existing problems in the watershed, and downstream of this sub county area. This watershed contains part of the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area.

### **Unmet Recovery Needs Threshold**

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

The sub-county area has Unmet Recovery Needs in the form of Environmental Degradation, and is the result of losses of topsoil as a direct result of the eligible disaster event. Because topsoil takes generations to regenerate, the loss of this resource can be considered to be permanent as the needs of continued production outstrip nature's ability to replenish the soil. Utilizing a benchmark value for one potentially beneficial conservation practice program implemented to a limited degree within the state by the Iowa Department of Agriculture and Land Stewardship, it has been estimated that it would cost \$4,124,125.53 to repair the damage from environmental degradation in this area. For further details on the determination of this estimate, see the [Environmental Distress Data](#) attachments.

### **Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Cherokee County, Census Tract 804 as a result of DR-1977 that occurred in 2011. The area is within Cherokee County.

#### ***Cherokee County, Census Tract 804***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from DR-1977.

#### ***Methodology***

To determine the most impacted sub-county areas by environmental degradation, the Iowa Homeland Security and Emergency Management Department consulted with experts from the Natural Resources Conservation Service of the United States Department of Agriculture and the Department of Agronomy at Iowa State University to determine the best method of evaluating environmental degradation as it relates to Iowa's land and water. Through this consultation, a methodology was developed to identify the most impacted areas of the state based on the events contributing to the eligible presidentially declared disasters. This methodology can be viewed in [Iowa Environmental Degradation Determination Methodology](#).

#### ***Most Impacted Characteristics***

This sub-county area qualifies as impacted under criterion D of Appendix G - Environmental Degradation. The designated sub-county area had excessive soil loss as a result of the impacts of disaster DR-1977. This soil loss resulted in increased sediment delivery to waterways in the immediate vicinity, and further downstream effects. This in turn introduced pollutants into the

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

stream system, including nitrates and phosphorus, which would otherwise be available as fertilizer, which helps in maintaining and supplementing nutrients in the soil. This adds to the Gulf of Mexico hypoxia problem (dead zone), a national environmental concern. The excessive loss of topsoil during the disaster event period degraded the productive capability of the land, resulting in permanently lower crop yields without the addition of even more nutrients and other costly inputs, which places economic revitalization at risk. The reduced productive capability as a result of the loss of topsoil means that further inputs (fertilizer) will need to be introduced to maintain the productivity of the soil, introducing additional economic burdens on producers in the area, and perpetuating the environmental degradation of this area and interrelated areas downstream. If another event occurs, the area can expect to see further impacts in loss of productivity of the soils, and loss of nutrients, which accelerates the environmental degradation downstream. See [DR-1977 Most Impacted](#) data for maps and supporting analysis documentation.

### ***Most Distressed Characteristics***

This sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean Water Act) stream segment within the Little Sioux River watershed. The presence of pollutants was increased through the events that occurred in disaster DR-1977, magnifying existing problems in the watershed, and downstream of this sub county area. This watershed contains part of the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area.

### **Unmet Recovery Needs Threshold**



## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

The sub-county area has Unmet Recovery Needs in the form of Environmental Degradation, and is the result of losses of topsoil as a direct result of the eligible disaster event. Because topsoil takes generations to regenerate, the loss of this resource can be considered to be permanent as the needs of continued production outstrip nature's ability to replenish the soil. Utilizing a benchmark value for one potentially beneficial conservation practice program implemented to a limited degree within the state by the Iowa Department of Agriculture and Land Stewardship, it has been estimated that it would cost [\\$3,863,606.10](#) to repair the damage from environmental degradation in this area. For further details on the determination of this estimate, see the [Environmental Distress Data](#) attachments.

### **Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Ida County, Census Tract 902 as a result of DR-1977 that occurred in 2011. The area is within Ida County.

#### ***Ida County, Census Tract 902***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from DR-1977.

#### ***Methodology***

To determine the most impacted sub-county areas by environmental degradation, the Iowa Homeland Security and Emergency Management Department consulted with experts from the Natural Resources Conservation Service of the United States Department of Agriculture and the Department of Agronomy at Iowa State University to determine the best method of evaluating environmental degradation as it relates to Iowa's land and water. Through this consultation, a methodology was developed to identify the most impacted areas of the state based on the events contributing to the eligible presidentially declared disasters. This methodology can be viewed in [Iowa Environmental Degradation Determination Methodology](#).

#### ***Most Impacted Characteristics***

This sub-county area qualifies as impacted under criterion D of Appendix G - Environmental Degradation. The designated sub-county area had excessive soil loss as a result of the impacts of disaster DR-1977. This soil loss resulted in increased sediment delivery to waterways in the immediate vicinity, and further downstream effects. This in turn introduced pollutants into the

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

stream system, including nitrates and phosphorus, which would otherwise be available as fertilizer, which helps in maintaining and supplementing nutrients in the soil. This adds to the Gulf of Mexico hypoxia problem (dead zone), a national environmental concern. The excessive loss of topsoil during the disaster event period degraded the productive capability of the land, resulting in permanently lower crop yields without the addition of even more nutrients and other costly inputs, which places economic revitalization at risk. The reduced productive capability as a result of the loss of topsoil means that further inputs (fertilizer) will need to be introduced to maintain the productivity of the soil, introducing additional economic burdens on producers in the area, and perpetuating the environmental degradation of this area and interrelated areas downstream. If another event occurs, the area can expect to see further impacts in loss of productivity of the soils, and loss of nutrients, which accelerates the environmental degradation downstream. See [DR-1977 Most Impacted](#) data for maps and supporting analysis documentation.

### ***Most Distressed Characteristics***

This sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean Water Act) stream segment within the Little Sioux River watershed. The presence of pollutants was increased through the events that occurred in disaster DR-1977, magnifying existing problems in the watershed, and downstream of this sub county area. This watershed contains part of the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area.

### **Unmet Recovery Needs Threshold**

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

The sub-county area has Unmet Recovery Needs in the form of Environmental Degradation, and is the result of losses of topsoil as a direct result of the eligible disaster event. Because topsoil takes generations to regenerate, the loss of this resource can be considered to be permanent as the needs of continued production outstrip nature's ability to replenish the soil. Utilizing a benchmark value for one potentially beneficial conservation practice program implemented to a limited degree within the state by the Iowa Department of Agriculture and Land Stewardship, it has been estimated that it would cost [\\$4,413,609.91](#) to repair the damage from environmental degradation in this area. For further details on the determination of this estimate, see the [Environmental Distress Data](#) attachments.



### **Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Dickinson County, Census Tract 4502 as a result of DR-4016 that occurred in 2011. The area is within Dickinson County.

#### ***Dickinson County, Census Tract 4502***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from DR-4016.

#### ***Methodology***

To determine the most impacted sub-county areas by environmental degradation, the Iowa Homeland Security and Emergency Management Department consulted with experts from the Natural Resources Conservation Service of the United States Department of Agriculture and the Department of Agronomy at Iowa State University to determine the best method of evaluating environmental degradation as it relates to Iowa's land and water. Through this consultation, a methodology was developed to identify the most impacted areas of the state based on the events contributing to the eligible presidentially declared disasters. This methodology can be viewed in [Iowa Environmental Degradation Determination Methodology](#).

#### ***Most Impacted Characteristics***

This sub-county area qualifies as impacted under criterion D of Appendix G - Environmental Degradation. The designated sub-county area had excessive soil loss as a result of the impacts of disaster DR-4016. This soil loss resulted in increased sediment delivery to waterways in the immediate vicinity, and further downstream effects. This in turn introduced pollutants into the

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

stream system, including nitrates and phosphorus, which would otherwise be available as fertilizer, which helps in maintaining and supplementing nutrients in the soil. This adds to the Gulf of Mexico hypoxia problem (dead zone), a national environmental concern. The excessive loss of topsoil during the disaster event period degraded the productive capability of the land, resulting in permanently lower crop yields without the addition of even more nutrients and other costly inputs, which places economic revitalization at risk. The reduced productive capability as a result of the loss of topsoil means that further inputs (fertilizer) will need to be introduced to maintain the productivity of the soil, introducing additional economic burdens on producers in the area, and perpetuating the environmental degradation of this area and interrelated areas downstream. If another event occurs, the area can expect to see further impacts in loss of productivity of the soils, and loss of nutrients, which accelerates the environmental degradation downstream. See [DR-4016 Most Impacted](#) data for maps and supporting analysis documentation.

### ***Most Distressed Characteristics***

This sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean Water Act) stream segment within the Little Sioux River watershed. The presence of pollutants was increased through the events that occurred in disaster DR-4016, magnifying existing problems in the watershed, and downstream of this sub county area. This watershed contains part of the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area.

### **Unmet Recovery Needs Threshold**

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

The sub-county area has Unmet Recovery Needs in the form of Environmental Degradation, and is the result of losses of topsoil as a direct result of the eligible disaster event. Because topsoil takes generations to regenerate, the loss of this resource can be considered to be permanent as the needs of continued production outstrip nature's ability to replenish the soil. Utilizing a benchmark value for one potentially beneficial conservation practice program implemented to a limited degree within the state by the Iowa Department of Agriculture and Land Stewardship, it has been estimated that it would cost [\\$5,184,841.63](#) to repair the damage from environmental degradation in this area. For further details on the determination of this estimate, see the [Environmental Distress Data](#) attachments.

### **Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Dubuque County, Census Tract 102.01 as a result of DR-4018 that occurred in 2011. The area is within Dubuque County.

#### ***Dubuque County, Census Tract 102.01***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from DR-4018.

#### ***Methodology***

To determine the most impacted sub-county areas by environmental degradation, the Iowa Homeland Security and Emergency Management Department consulted with experts from the Natural Resources Conservation Service of the United States Department of Agriculture and the Department of Agronomy at Iowa State University to determine the best method of evaluating environmental degradation as it relates to Iowa's land and water. Through this consultation, a methodology was developed to identify the most impacted areas of the state based on the events contributing to the eligible presidentially declared disasters. This methodology can be viewed in [Iowa Environmental Degradation Determination Methodology](#).

#### ***Most Impacted Characteristics***

This sub-county area qualifies as impacted under criterion D of Appendix G - Environmental Degradation. The designated sub-county area had excessive soil loss as a result of the impacts of disaster DR-4018. This soil loss resulted in increased sediment delivery to waterways in the immediate vicinity, and further downstream effects. This in turn introduced pollutants into the



## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

stream system, including nitrates and phosphorus, which would otherwise be available as fertilizer, which helps in maintaining and supplementing nutrients in the soil. This adds to the Gulf of Mexico hypoxia problem (dead zone), a national environmental concern. The excessive loss of topsoil during the disaster event period degraded the productive capability of the land, resulting in permanently lower crop yields without the addition of even more nutrients and other costly inputs, which places economic revitalization at risk. The reduced productive capability as a result of the loss of topsoil means that further inputs (fertilizer) will need to be introduced to maintain the productivity of the soil, introducing additional economic burdens on producers in the area, and perpetuating the environmental degradation of this area and interrelated areas downstream. If another event occurs, the area can expect to see further impacts in loss of productivity of the soils, and loss of nutrients, which accelerates the environmental degradation downstream. See [DR-4018 Most Impacted](#) data for maps and supporting analysis documentation.

### ***Most Distressed Characteristics***

This sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean Water Act) stream segment within the Mississippi River - Little Maquoketa River watershed. The presence of pollutants was increased through the events that occurred in disaster DR-4018, magnifying existing problems in the watershed, and downstream of this sub county area. This watershed contains part of the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area.

### **Unmet Recovery Needs Threshold**

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

The sub-county area has Unmet Recovery Needs in the form of Environmental Degradation, and is the result of losses of topsoil as a direct result of the eligible disaster event. Because topsoil takes generations to regenerate, the loss of this resource can be considered to be permanent as the needs of continued production outstrip nature's ability to replenish the soil. Utilizing a benchmark value for one potentially beneficial conservation practice program implemented to a limited degree within the state by the Iowa Department of Agriculture and Land Stewardship, it has been estimated that it would cost [\\$3,189,493.68](#) to repair the damage from environmental degradation in this area. For further details on the determination of this estimate, see the [Environmental Distress Data](#) attachments.

### **Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Dubuque County, Census Tract 103 as a result of DR-4018 that occurred in 2011. The area is within Dubuque County.

### ***Dubuque County, Census Tract 103***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from DR-4018.

### ***Methodology***

To determine the most impacted sub-county areas by environmental degradation, the Iowa Homeland Security and Emergency Management Department consulted with experts from the Natural Resources Conservation Service of the United States Department of Agriculture and the Department of Agronomy at Iowa State University to determine the best method of evaluating environmental degradation as it relates to Iowa's land and water. Through this consultation, a methodology was developed to identify the most impacted areas of the state based on the events contributing to the eligible presidentially declared disasters. This methodology can be viewed in [Iowa Environmental Degradation Determination Methodology](#).

### ***Most Impacted Characteristics***

This sub-county area qualifies as impacted under criterion D of Appendix G - Environmental Degradation. The designated sub-county area had excessive soil loss as a result of the impacts of disaster DR-4018. This soil loss resulted in increased sediment delivery to waterways in the immediate vicinity, and further downstream effects. This in turn introduced pollutants into the

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

stream system, including nitrates and phosphorus, which would otherwise be available as fertilizer, which helps in maintaining and supplementing nutrients in the soil. This adds to the Gulf of Mexico hypoxia problem (dead zone), a national environmental concern. The excessive loss of topsoil during the disaster event period degraded the productive capability of the land, resulting in permanently lower crop yields without the addition of even more nutrients and other costly inputs, which places economic revitalization at risk. The reduced productive capability as a result of the loss of topsoil means that further inputs (fertilizer) will need to be introduced to maintain the productivity of the soil, introducing additional economic burdens on producers in the area, and perpetuating the environmental degradation of this area and interrelated areas downstream. If another event occurs, the area can expect to see further impacts in loss of productivity of the soils, and loss of nutrients, which accelerates the environmental degradation downstream. See [DR-4018 Most Impacted](#) data for maps and supporting analysis documentation.

### ***Most Distressed Characteristics***

This sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean Water Act) stream segment within the Mississippi River - Catfish Creek watershed. The presence of pollutants was increased through the events that occurred in disaster DR-4018, magnifying existing problems in the watershed, and downstream of this sub county area. This watershed contains part of the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area.

### **Unmet Recovery Needs Threshold**



## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

The sub-county area has Unmet Recovery Needs in the form of Environmental Degradation, and is the result of losses of topsoil as a direct result of the eligible disaster event. Because topsoil takes generations to regenerate, the loss of this resource can be considered to be permanent as the needs of continued production outstrip nature's ability to replenish the soil. Utilizing a benchmark value for one potentially beneficial conservation practice program implemented to a limited degree within the state by the Iowa Department of Agriculture and Land Stewardship, it has been estimated that it would cost [\\$4,717,624.08](#) to repair the damage from environmental degradation in this area. For further details on the determination of this estimate, see the [Environmental Distress Data](#) attachments.

### **Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Dubuque County, Census Tract 104 as a result of DR-4018 that occurred in 2011. The area is within Dubuque County.

#### ***Dubuque County, Census Tract 104***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from DR-4018.

#### ***Methodology***

To determine the most impacted sub-county areas by environmental degradation, the Iowa Homeland Security and Emergency Management Department consulted with experts from the Natural Resources Conservation Service of the United States Department of Agriculture and the Department of Agronomy at Iowa State University to determine the best method of evaluating environmental degradation as it relates to Iowa's land and water. Through this consultation, a methodology was developed to identify the most impacted areas of the state based on the events contributing to the eligible presidentially declared disasters. This methodology can be viewed in [Iowa Environmental Degradation Determination Methodology](#).

#### ***Most Impacted Characteristics***

This sub-county area qualifies as impacted under criterion D of Appendix G - Environmental Degradation. The designated sub-county area had excessive soil loss as a result of the impacts of disaster DR-4018. This soil loss resulted in increased sediment delivery to waterways in the immediate vicinity, and further downstream effects. This in turn introduced pollutants into the

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

stream system, including nitrates and phosphorus, which would otherwise be available as fertilizer, which helps in maintaining and supplementing nutrients in the soil. This adds to the Gulf of Mexico hypoxia problem (dead zone), a national environmental concern. The excessive loss of topsoil during the disaster event period degraded the productive capability of the land, resulting in permanently lower crop yields without the addition of even more nutrients and other costly inputs, which places economic revitalization at risk. The reduced productive capability as a result of the loss of topsoil means that further inputs (fertilizer) will need to be introduced to maintain the productivity of the soil, introducing additional economic burdens on producers in the area, and perpetuating the environmental degradation of this area and interrelated areas downstream. If another event occurs, the area can expect to see further impacts in loss of productivity of the soils, and loss of nutrients, which accelerates the environmental degradation downstream. See [DR-4018 Most Impacted](#) data for maps and supporting analysis documentation.

### ***Most Distressed Characteristics***

This sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean Water Act) stream segment within the Mississippi River - Little Maquoketa River watershed. The presence of pollutants was increased through the events that occurred in disaster DR-4018, magnifying existing problems in the watershed, and downstream of this sub county area. This watershed contains part of the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area.

### **Unmet Recovery Needs Threshold**

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

The sub-county area has Unmet Recovery Needs in the form of Environmental Degradation, and is the result of losses of topsoil as a direct result of the eligible disaster event. Because topsoil takes generations to regenerate, the loss of this resource can be considered to be permanent as the needs of continued production outstrip nature's ability to replenish the soil. Utilizing a benchmark value for one potentially beneficial conservation practice program implemented to a limited degree within the state by the Iowa Department of Agriculture and Land Stewardship, it has been estimated that it would cost [\\$5,627,336.66](#) to repair the damage from environmental degradation in this area. For further details on the determination of this estimate, see the [Environmental Distress Data](#) attachments.



### **Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Appanoose County, Census Tract 9501 as a result of DR-4119 that occurred in 2013. The area is within Appanoose County.

#### ***Appanoose County, Census Tract 9501***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from DR-4119.

#### ***Methodology***

To determine the most impacted sub-county areas by environmental degradation, the Iowa Homeland Security and Emergency Management Department consulted with experts from the Natural Resources Conservation Service of the United States Department of Agriculture and the Department of Agronomy at Iowa State University to determine the best method of evaluating environmental degradation as it relates to Iowa's land and water. Through this consultation, a methodology was developed to identify the most impacted areas of the state based on the events contributing to the eligible presidentially declared disasters. This methodology can be viewed in [Iowa Environmental Degradation Determination Methodology](#).

#### ***Most Impacted Characteristics***

This sub-county area qualifies as impacted under criterion D of Appendix G - Environmental Degradation. The designated sub-county area had excessive soil loss as a result of the impacts of disaster DR-4119. This soil loss resulted in increased sediment delivery to waterways in the immediate vicinity, and further downstream effects. This in turn introduced pollutants into the

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

stream system, including nitrates and phosphorus, which would otherwise be available as fertilizer, which helps in maintaining and supplementing nutrients in the soil. This adds to the Gulf of Mexico hypoxia problem (dead zone), a national environmental concern. The excessive loss of topsoil during the disaster event period degraded the productive capability of the land, resulting in permanently lower crop yields without the addition of even more nutrients and other costly inputs, which places economic revitalization at risk. The reduced productive capability as a result of the loss of topsoil means that further inputs (fertilizer) will need to be introduced to maintain the productivity of the soil, introducing additional economic burdens on producers in the area, and perpetuating the environmental degradation of this area and interrelated areas downstream. If another event occurs, the area can expect to see further impacts in loss of productivity of the soils, and loss of nutrients, which accelerates the environmental degradation downstream. See [DR-4119 Most Impacted](#) data for maps and supporting analysis documentation.

### ***Most Distressed Characteristics***

This sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean Water Act) stream segment within the Des Moines River - Soap Creek watershed. The presence of pollutants was increased through the events that occurred in disaster DR-4119, magnifying existing problems in the watershed, and downstream of this sub county area. This watershed contains part of the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area.

### **Unmet Recovery Needs Threshold**

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

The sub-county area has Unmet Recovery Needs in the form of Environmental Degradation, and is the result of losses of topsoil as a direct result of the eligible disaster event. Because topsoil takes generations to regenerate, the loss of this resource can be considered to be permanent as the needs of continued production outstrip nature's ability to replenish the soil. Utilizing a benchmark value for one potentially beneficial conservation practice program implemented to a limited degree within the state by the Iowa Department of Agriculture and Land Stewardship, it has been estimated that it would cost \$6,161,169.84 to repair the damage from environmental degradation in this area. For further details on the determination of this estimate, see the [Environmental Distress Data](#) attachments.

### **Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Davis County, Census Tract 802 as a result of DR-4119 that occurred in 2013. The area is within Davis County.

#### ***Davis County, Census Tract 802***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from DR-4119.

#### ***Methodology***

To determine the most impacted sub-county areas by environmental degradation, the Iowa Homeland Security and Emergency Management Department consulted with experts from the Natural Resources Conservation Service of the United States Department of Agriculture and the Department of Agronomy at Iowa State University to determine the best method of evaluating environmental degradation as it relates to Iowa's land and water. Through this consultation, a methodology was developed to identify the most impacted areas of the state based on the events contributing to the eligible presidentially declared disasters. This methodology can be viewed in [Iowa Environmental Degradation Determination Methodology](#).

#### ***Most Impacted Characteristics***

This sub-county area qualifies as impacted under criterion D of Appendix G - Environmental Degradation. The designated sub-county area had excessive soil loss as a result of the impacts of disaster DR-4119. This soil loss resulted in increased sediment delivery to waterways in the immediate vicinity, and further downstream effects. This in turn introduced pollutants into the



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stream system, including nitrates and phosphorus, which would otherwise be available as fertilizer, which helps in maintaining and supplementing nutrients in the soil. This adds to the Gulf of Mexico hypoxia problem (dead zone), a national environmental concern. The excessive loss of topsoil during the disaster event period degraded the productive capability of the land, resulting in permanently lower crop yields without the addition of even more nutrients and other costly inputs, which places economic revitalization at risk. The reduced productive capability as a result of the loss of topsoil means that further inputs (fertilizer) will need to be introduced to maintain the productivity of the soil, introducing additional economic burdens on producers in the area, and perpetuating the environmental degradation of this area and interrelated areas downstream. If another event occurs, the area can expect to see further impacts in loss of productivity of the soils, and loss of nutrients, which accelerates the environmental degradation downstream. See [DR-4119 Most Impacted](#) data for maps and supporting analysis documentation.

### ***Most Distressed Characteristics***

This sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean Water Act) stream segment within the Des Moines River - Soap Creek watershed. The presence of pollutants was increased through the events that occurred in disaster DR-4119, magnifying existing problems in the watershed, and downstream of this sub county area. This watershed contains part of the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area.

### **Unmet Recovery Needs Threshold**

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

The sub-county area has Unmet Recovery Needs in the form of Environmental Degradation, and is the result of losses of topsoil as a direct result of the eligible disaster event. Because topsoil takes generations to regenerate, the loss of this resource can be considered to be permanent as the needs of continued production outstrip nature's ability to replenish the soil. Utilizing a benchmark value for one potentially beneficial conservation practice program implemented to a limited degree within the state by the Iowa Department of Agriculture and Land Stewardship, it has been estimated that it would cost [\\$7,089,197.99](#) to repair the damage from environmental degradation in this area. For further details on the determination of this estimate, see the [Environmental Distress Data](#) attachments.

### **Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Iowa County, Census Tract 9603 as a result of DR-4119 that occurred in 2013. The area is within Iowa County.

#### ***Iowa County, Census Tract 9603***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from DR-4119.

#### ***Methodology***

To determine the most impacted sub-county areas by environmental degradation, the Iowa Homeland Security and Emergency Management Department consulted with experts from the Natural Resources Conservation Service of the United States Department of Agriculture and the Department of Agronomy at Iowa State University to determine the best method of evaluating environmental degradation as it relates to Iowa's land and water. Through this consultation, a methodology was developed to identify the most impacted areas of the state based on the events contributing to the eligible presidentially declared disasters. This methodology can be viewed in [Iowa Environmental Degradation Determination Methodology](#).

#### ***Most Impacted Characteristics***

This sub-county area qualifies as impacted under criterion D of Appendix G - Environmental Degradation. The designated sub-county area had excessive soil loss as a result of the impacts of disaster DR-4119. This soil loss resulted in increased sediment delivery to waterways in the immediate vicinity, and further downstream effects. This in turn introduced pollutants into the

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stream system, including nitrates and phosphorus, which would otherwise be available as fertilizer, which helps in maintaining and supplementing nutrients in the soil. This adds to the Gulf of Mexico hypoxia problem (dead zone), a national environmental concern. The excessive loss of topsoil during the disaster event period degraded the productive capability of the land, resulting in permanently lower crop yields without the addition of even more nutrients and other costly inputs, which places economic revitalization at risk. The reduced productive capability as a result of the loss of topsoil means that further inputs (fertilizer) will need to be introduced to maintain the productivity of the soil, introducing additional economic burdens on producers in the area, and perpetuating the environmental degradation of this area and interrelated areas downstream. If another event occurs, the area can expect to see further impacts in loss of productivity of the soils, and loss of nutrients, which accelerates the environmental degradation downstream. See [DR-4119 Most Impacted](#) data for maps and supporting analysis documentation.

### *Most Distressed Characteristics*

This sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean Water Act) stream segment within the Iowa River - Middle watershed. The presence of pollutants was increased through the events that occurred in disaster DR-4119, magnifying existing problems in the watershed, and downstream of this sub county area. This watershed contains part of the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area.

### **Unmet Recovery Needs Threshold**



## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

The sub-county area has Unmet Recovery Needs in the form of Environmental Degradation, and is the result of losses of topsoil as a direct result of the eligible disaster event. Because topsoil takes generations to regenerate, the loss of this resource can be considered to be permanent as the needs of continued production outstrip nature's ability to replenish the soil. Utilizing a benchmark value for one potentially beneficial conservation practice program implemented to a limited degree within the state by the Iowa Department of Agriculture and Land Stewardship, it has been estimated that it would cost [\\$5,096,305.31](#) to repair the damage from environmental degradation in this area. For further details on the determination of this estimate, see the [Environmental Distress Data](#) attachments.

### **Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Iowa County, Census Tract 9604 as a result of DR-4119 that occurred in 2013. The area is within Iowa County.

#### ***Iowa County, Census Tract 9604***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from DR-4119.

#### ***Methodology***

To determine the most impacted sub-county areas by environmental degradation, the Iowa Homeland Security and Emergency Management Department consulted with experts from the Natural Resources Conservation Service of the United States Department of Agriculture and the Department of Agronomy at Iowa State University to determine the best method of evaluating environmental degradation as it relates to Iowa's land and water. Through this consultation, a methodology was developed to identify the most impacted areas of the state based on the events contributing to the eligible presidentially declared disasters. This methodology can be viewed in [Iowa Environmental Degradation Determination Methodology](#).

#### ***Most Impacted Characteristics***

This sub-county area qualifies as impacted under criterion D of Appendix G - Environmental Degradation. The designated sub-county area had excessive soil loss as a result of the impacts of disaster DR-4119. This soil loss resulted in increased sediment delivery to waterways in the immediate vicinity, and further downstream effects. This in turn introduced pollutants into the

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

stream system, including nitrates and phosphorus, which would otherwise be available as fertilizer, which helps in maintaining and supplementing nutrients in the soil. This adds to the Gulf of Mexico hypoxia problem (dead zone), a national environmental concern. The excessive loss of topsoil during the disaster event period degraded the productive capability of the land, resulting in permanently lower crop yields without the addition of even more nutrients and other costly inputs, which places economic revitalization at risk. The reduced productive capability as a result of the loss of topsoil means that further inputs (fertilizer) will need to be introduced to maintain the productivity of the soil, introducing additional economic burdens on producers in the area, and perpetuating the environmental degradation of this area and interrelated areas downstream. If another event occurs, the area can expect to see further impacts in loss of productivity of the soils, and loss of nutrients, which accelerates the environmental degradation downstream. See [DR-4119 Most Impacted](#) data for maps and supporting analysis documentation.

### ***Most Distressed Characteristics***

This sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean Water Act) stream segment within the Iowa River - Lower watershed. The presence of pollutants was increased through the events that occurred in disaster DR-4119, magnifying existing problems in the watershed, and downstream of this sub county area. This watershed contains part of the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area.

### **Unmet Recovery Needs Threshold**

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

The sub-county area has Unmet Recovery Needs in the form of Environmental Degradation, and is the result of losses of topsoil as a direct result of the eligible disaster event. Because topsoil takes generations to regenerate, the loss of this resource can be considered to be permanent as the needs of continued production outstrip nature's ability to replenish the soil. Utilizing a benchmark value for one potentially beneficial conservation practice program implemented to a limited degree within the state by the Iowa Department of Agriculture and Land Stewardship, it has been estimated that it would cost [\\$4,803,383.88](#) to repair the damage from environmental degradation in this area. For further details on the determination of this estimate, see the [Environmental Distress Data](#) attachments.



### **Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Marion County, Census Tract 307 as a result of DR-4119 that occurred in 2013. The area is within Marion County.

#### ***Marion County, Census Tract 307***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from DR-4119.

#### ***Methodology***

To determine the most impacted sub-county areas by environmental degradation, the Iowa Homeland Security and Emergency Management Department consulted with experts from the Natural Resources Conservation Service of the United States Department of Agriculture and the Department of Agronomy at Iowa State University to determine the best method of evaluating environmental degradation as it relates to Iowa's land and water. Through this consultation, a methodology was developed to identify the most impacted areas of the state based on the events contributing to the eligible presidentially declared disasters. This methodology can be viewed in [Iowa Environmental Degradation Determination Methodology](#).

#### ***Most Impacted Characteristics***

This sub-county area qualifies as impacted under criterion D of Appendix G - Environmental Degradation. The designated sub-county area had excessive soil loss as a result of the impacts of disaster DR-4119. This soil loss resulted in increased sediment delivery to waterways in the immediate vicinity, and further downstream effects. This in turn introduced pollutants into the

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

stream system, including nitrates and phosphorus, which would otherwise be available as fertilizer, which helps in maintaining and supplementing nutrients in the soil. This adds to the Gulf of Mexico hypoxia problem (dead zone), a national environmental concern. The excessive loss of topsoil during the disaster event period degraded the productive capability of the land, resulting in permanently lower crop yields without the addition of even more nutrients and other costly inputs, which places economic revitalization at risk. The reduced productive capability as a result of the loss of topsoil means that further inputs (fertilizer) will need to be introduced to maintain the productivity of the soil, introducing additional economic burdens on producers in the area, and perpetuating the environmental degradation of this area and interrelated areas downstream. If another event occurs, the area can expect to see further impacts in loss of productivity of the soils, and loss of nutrients, which accelerates the environmental degradation downstream. See [DR-4119 Most Impacted](#) data for maps and supporting analysis documentation.

### ***Most Distressed Characteristics***

This sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean Water Act) stream segment within the Des Moines River - South River watershed. The presence of pollutants was increased through the events that occurred in disaster DR-4119, magnifying existing problems in the watershed, and downstream of this sub county area. This watershed contains part of the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area.

### **Unmet Recovery Needs Threshold**

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

The sub-county area has Unmet Recovery Needs in the form of Environmental Degradation, and is the result of losses of topsoil as a direct result of the eligible disaster event. Because topsoil takes generations to regenerate, the loss of this resource can be considered to be permanent as the needs of continued production outstrip nature's ability to replenish the soil. Utilizing a benchmark value for one potentially beneficial conservation practice program implemented to a limited degree within the state by the Iowa Department of Agriculture and Land Stewardship, it has been estimated that it would cost [\\$4,335,011.90](#) to repair the damage from environmental degradation in this area. For further details on the determination of this estimate, see the [Environmental Distress Data](#) attachments.

### **Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Monroe County, Census Tract 703 as a result of DR-4119 that occurred in 2013. The area is within Monroe County.

#### ***Monroe County, Census Tract 703***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from DR-4119.

#### ***Methodology***

To determine the most impacted sub-county areas by environmental degradation, the Iowa Homeland Security and Emergency Management Department consulted with experts from the Natural Resources Conservation Service of the United States Department of Agriculture and the Department of Agronomy at Iowa State University to determine the best method of evaluating environmental degradation as it relates to Iowa's land and water. Through this consultation, a methodology was developed to identify the most impacted areas of the state based on the events contributing to the eligible presidentially declared disasters. This methodology can be viewed in [Iowa Environmental Degradation Determination Methodology](#).

#### ***Most Impacted Characteristics***

This sub-county area qualifies as impacted under criterion D of Appendix G - Environmental Degradation. The designated sub-county area had excessive soil loss as a result of the impacts of disaster DR-4119. This soil loss resulted in increased sediment delivery to waterways in the immediate vicinity, and further downstream effects. This in turn introduced pollutants into the



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stream system, including nitrates and phosphorus, which would otherwise be available as fertilizer, which helps in maintaining and supplementing nutrients in the soil. This adds to the Gulf of Mexico hypoxia problem (dead zone), a national environmental concern. The excessive loss of topsoil during the disaster event period degraded the productive capability of the land, resulting in permanently lower crop yields without the addition of even more nutrients and other costly inputs, which places economic revitalization at risk. The reduced productive capability as a result of the loss of topsoil means that further inputs (fertilizer) will need to be introduced to maintain the productivity of the soil, introducing additional economic burdens on producers in the area, and perpetuating the environmental degradation of this area and interrelated areas downstream. If another event occurs, the area can expect to see further impacts in loss of productivity of the soils, and loss of nutrients, which accelerates the environmental degradation downstream. See [DR-4119 Most Impacted](#) data for maps and supporting analysis documentation.

### ***Most Distressed Characteristics***

This sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean Water Act) stream segment within the Des Moines River - Soap Creek watershed. The presence of pollutants was increased through the events that occurred in disaster DR-4119, magnifying existing problems in the watershed, and downstream of this sub county area. This watershed contains part of the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area.

### **Unmet Recovery Needs Threshold**

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

The sub-county area has Unmet Recovery Needs in the form of Environmental Degradation, and is the result of losses of topsoil as a direct result of the eligible disaster event. Because topsoil takes generations to regenerate, the loss of this resource can be considered to be permanent as the needs of continued production outstrip nature's ability to replenish the soil. Utilizing a benchmark value for one potentially beneficial conservation practice program implemented to a limited degree within the state by the Iowa Department of Agriculture and Land Stewardship, it has been estimated that it would cost [\\$6,988,266.71](#) to repair the damage from environmental degradation in this area. For further details on the determination of this estimate, see the [Environmental Distress Data](#) attachments.

### **Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Ringgold County, Census Tract 9501 as a result of DR-4119 that occurred in 2013. The area is within Ringgold County.

#### ***Ringgold County, Census Tract 9501***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from DR-4119.

#### ***Methodology***

To determine the most impacted sub-county areas by environmental degradation, the Iowa Homeland Security and Emergency Management Department consulted with experts from the Natural Resources Conservation Service of the United States Department of Agriculture and the Department of Agronomy at Iowa State University to determine the best method of evaluating environmental degradation as it relates to Iowa's land and water. Through this consultation, a methodology was developed to identify the most impacted areas of the state based on the events contributing to the eligible presidentially declared disasters. This methodology can be viewed in [Iowa Environmental Degradation Determination Methodology](#).

#### ***Most Impacted Characteristics***

This sub-county area qualifies as impacted under criterion D of Appendix G - Environmental Degradation. The designated sub-county area had excessive soil loss as a result of the impacts of disaster DR-4119. This soil loss resulted in increased sediment delivery to waterways in the immediate vicinity, and further downstream effects. This in turn introduced pollutants into the

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

stream system, including nitrates and phosphorus, which would otherwise be available as fertilizer, which helps in maintaining and supplementing nutrients in the soil. This adds to the Gulf of Mexico hypoxia problem (dead zone), a national environmental concern. The excessive loss of topsoil during the disaster event period degraded the productive capability of the land, resulting in permanently lower crop yields without the addition of even more nutrients and other costly inputs, which places economic revitalization at risk. The reduced productive capability as a result of the loss of topsoil means that further inputs (fertilizer) will need to be introduced to maintain the productivity of the soil, introducing additional economic burdens on producers in the area, and perpetuating the environmental degradation of this area and interrelated areas downstream. If another event occurs, the area can expect to see further impacts in loss of productivity of the soils, and loss of nutrients, which accelerates the environmental degradation downstream. See [DR-4119 Most Impacted](#) data for maps and supporting analysis documentation.

### ***Most Distressed Characteristics***

This sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean Water Act) stream segment within the Platte River watershed. The presence of pollutants was increased through the events that occurred in disaster DR-4119, magnifying existing problems in the watershed, and downstream of this sub county area. This watershed contains part of the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area.

### **Unmet Recovery Needs Threshold**

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

The sub-county area has Unmet Recovery Needs in the form of Environmental Degradation, and is the result of losses of topsoil as a direct result of the eligible disaster event. Because topsoil takes generations to regenerate, the loss of this resource can be considered to be permanent as the needs of continued production outstrip nature's ability to replenish the soil. Utilizing a benchmark value for one potentially beneficial conservation practice program implemented to a limited degree within the state by the Iowa Department of Agriculture and Land Stewardship, it has been estimated that it would cost [\\$10,164,746.96](#) to repair the damage from environmental degradation in this area. For further details on the determination of this estimate, see the [Environmental Distress Data](#) attachments.



### **Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Cherokee County, Census Tract 803 as a result of DR-4126 that occurred in 2013. The area is within Cherokee County.

#### ***Cherokee County, Census Tract 803***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from DR-4126.

#### ***Methodology***

To determine the most impacted sub-county areas by environmental degradation, the Iowa Homeland Security and Emergency Management Department consulted with experts from the Natural Resources Conservation Service of the United States Department of Agriculture and the Department of Agronomy at Iowa State University to determine the best method of evaluating environmental degradation as it relates to Iowa's land and water. Through this consultation, a methodology was developed to identify the most impacted areas of the state based on the events contributing to the eligible presidentially declared disasters. This methodology can be viewed in [Iowa Environmental Degradation Determination Methodology.](#)

#### ***Most Impacted Characteristics***

This sub-county area qualifies as impacted under criterion D of Appendix G - Environmental Degradation. The designated sub-county area had excessive soil loss as a result of the impacts of disaster DR-4126. This soil loss resulted in increased sediment delivery to waterways in the immediate vicinity, and further downstream effects. This in turn introduced pollutants into the

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stream system, including nitrates and phosphorus, which would otherwise be available as fertilizer, which helps in maintaining and supplementing nutrients in the soil. This adds to the Gulf of Mexico hypoxia problem (dead zone), a national environmental concern. The excessive loss of topsoil during the disaster event period degraded the productive capability of the land, resulting in permanently lower crop yields without the addition of even more nutrients and other costly inputs, which places economic revitalization at risk. The reduced productive capability as a result of the loss of topsoil means that further inputs (fertilizer) will need to be introduced to maintain the productivity of the soil, introducing additional economic burdens on producers in the area, and perpetuating the environmental degradation of this area and interrelated areas downstream. If another event occurs, the area can expect to see further impacts in loss of productivity of the soils, and loss of nutrients, which accelerates the environmental degradation downstream. See [DR-4126 Most Impacted](#) data for maps and supporting analysis documentation.

### ***Most Distressed Characteristics***

This sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean Water Act) stream segment within the Little Sioux River watershed. The presence of pollutants was increased through the events that occurred in disaster DR-4126, magnifying existing problems in the watershed, and downstream of this sub county area. This watershed contains part of the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area.

### **Unmet Recovery Needs Threshold**

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

The sub-county area has Unmet Recovery Needs in the form of Environmental Degradation, and is the result of losses of topsoil as a direct result of the eligible disaster event. Because topsoil takes generations to regenerate, the loss of this resource can be considered to be permanent as the needs of continued production outstrip nature's ability to replenish the soil. Utilizing a benchmark value for one potentially beneficial conservation practice program implemented to a limited degree within the state by the Iowa Department of Agriculture and Land Stewardship, it has been estimated that it would cost [\\$6,021,223.27](#) to repair the damage from environmental degradation in this area. For further details on the determination of this estimate, see the [Environmental Distress Data](#) attachments.

### **Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Jasper County, Census Tract 401 as a result of DR-4126 that occurred in 2013. The area is within Jasper County.

#### ***Jasper County, Census Tract 401***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from DR-4126.

#### ***Methodology***

To determine the most impacted sub-county areas by environmental degradation, the Iowa Homeland Security and Emergency Management Department consulted with experts from the Natural Resources Conservation Service of the United States Department of Agriculture and the Department of Agronomy at Iowa State University to determine the best method of evaluating environmental degradation as it relates to Iowa's land and water. Through this consultation, a methodology was developed to identify the most impacted areas of the state based on the events contributing to the eligible presidentially declared disasters. This methodology can be viewed in [Iowa Environmental Degradation Determination Methodology](#).

#### ***Most Impacted Characteristics***

This sub-county area qualifies as impacted under criterion D of Appendix G - Environmental Degradation. The designated sub-county area had excessive soil loss as a result of the impacts of disaster DR-4126. This soil loss resulted in increased sediment delivery to waterways in the immediate vicinity, and further downstream effects. This in turn introduced pollutants into the

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stream system, including nitrates and phosphorus, which would otherwise be available as fertilizer, which helps in maintaining and supplementing nutrients in the soil. This adds to the Gulf of Mexico hypoxia problem (dead zone), a national environmental concern. The excessive loss of topsoil during the disaster event period degraded the productive capability of the land, resulting in permanently lower crop yields without the addition of even more nutrients and other costly inputs, which places economic revitalization at risk. The reduced productive capability as a result of the loss of topsoil means that further inputs (fertilizer) will need to be introduced to maintain the productivity of the soil, introducing additional economic burdens on producers in the area, and perpetuating the environmental degradation of this area and interrelated areas downstream. If another event occurs, the area can expect to see further impacts in loss of productivity of the soils, and loss of nutrients, which accelerates the environmental degradation downstream. See [DR-4126 Most Impacted](#) data for maps and supporting analysis documentation.

### ***Most Distressed Characteristics***

This sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean Water Act) stream segment within the South Skunk River watershed. The presence of pollutants was increased through the events that occurred in disaster DR-4126, magnifying existing problems in the watershed, and downstream of this sub county area. This watershed contains part of the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area.

### **Unmet Recovery Needs Threshold**



## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

The sub-county area has Unmet Recovery Needs in the form of Environmental Degradation, and is the result of losses of topsoil as a direct result of the eligible disaster event. Because topsoil takes generations to regenerate, the loss of this resource can be considered to be permanent as the needs of continued production outstrip nature's ability to replenish the soil. Utilizing a benchmark value for one potentially beneficial conservation practice program implemented to a limited degree within the state by the Iowa Department of Agriculture and Land Stewardship, it has been estimated that it would cost \$5,620,075.80 to repair the damage from environmental degradation in this area. For further details on the determination of this estimate, see the [Environmental Distress Data](#) attachments.

### **Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Marshall County, Census Tract 9501 as a result of DR-4126 that occurred in 2013. The area within is Marshall County.

#### ***Marshall County, Census Tract 9501***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from DR-4126.

#### ***Methodology***

To determine the most impacted sub-county areas by environmental degradation, the Iowa Homeland Security and Emergency Management Department consulted with experts from the Natural Resources Conservation Service of the United States Department of Agriculture and the Department of Agronomy at Iowa State University to determine the best method of evaluating environmental degradation as it relates to Iowa's land and water. Through this consultation, a methodology was developed to identify the most impacted areas of the state based on the events contributing to the eligible presidentially declared disasters. This methodology can be viewed in [Iowa Environmental Degradation Determination Methodology](#).

#### ***Most Impacted Characteristics***

This sub-county area qualifies as impacted under criterion D of Appendix G - Environmental Degradation. The designated sub-county area had excessive soil loss as a result of the impacts of disaster DR-4126. This soil loss resulted in increased sediment delivery to waterways in the immediate vicinity, and further downstream effects. This in turn introduced pollutants into the

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stream system, including nitrates and phosphorus, which would otherwise be available as fertilizer, which helps in maintaining and supplementing nutrients in the soil. This adds to the Gulf of Mexico hypoxia problem (dead zone), a national environmental concern. The excessive loss of topsoil during the disaster event period degraded the productive capability of the land, resulting in permanently lower crop yields without the addition of even more nutrients and other costly inputs, which places economic revitalization at risk. The reduced productive capability as a result of the loss of topsoil means that further inputs (fertilizer) will need to be introduced to maintain the productivity of the soil, introducing additional economic burdens on producers in the area, and perpetuating the environmental degradation of this area and interrelated areas downstream. If another event occurs, the area can expect to see further impacts in loss of productivity of the soils, and loss of nutrients, which accelerates the environmental degradation downstream. See [DR-4126 Most Impacted](#) data for maps and supporting analysis documentation.

### ***Most Distressed Characteristics***

This sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean Water Act) stream segment within the Cedar River - Middle watershed. The presence of pollutants was increased through the events that occurred in disaster DR-4126, magnifying existing problems in the watershed, and downstream of this sub county area. This watershed contains part of the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area.

### **Unmet Recovery Needs Threshold**

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

The sub-county area has Unmet Recovery Needs in the form of Environmental Degradation, and is the result of losses of topsoil as a direct result of the eligible disaster event. Because topsoil takes generations to regenerate, the loss of this resource can be considered to be permanent as the needs of continued production outstrip nature's ability to replenish the soil. Utilizing a benchmark value for one potentially beneficial conservation practice program implemented to a limited degree within the state by the Iowa Department of Agriculture and Land Stewardship, it has been estimated that it would cost [\\$4,429,872.47](#) to repair the damage from environmental degradation in this area. For further details on the determination of this estimate, see the [Environmental Distress Data](#) attachments.

### **Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Marshall County, Census Tract 9502 as a result of DR-4126 that occurred in 2013. The area is within Marshall County.

#### ***Marshall County, Census Tract 9502***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from DR-4126.

#### ***Methodology***

To determine the most impacted sub-county areas by environmental degradation, the Iowa Homeland Security and Emergency Management Department consulted with experts from the Natural Resources Conservation Service of the United States Department of Agriculture and the Department of Agronomy at Iowa State University to determine the best method of evaluating environmental degradation as it relates to Iowa's land and water. Through this consultation, a methodology was developed to identify the most impacted areas of the state based on the events contributing to the eligible presidentially declared disasters. This methodology can be viewed in [Iowa Environmental Degradation Determination Methodology](#).

#### ***Most Impacted Characteristics***

This sub-county area qualifies as impacted under criterion D of Appendix G - Environmental Degradation. The designated sub-county area had excessive soil loss as a result of the impacts of disaster DR-4126. This soil loss resulted in increased sediment delivery to waterways in the immediate vicinity, and further downstream effects. This in turn introduced pollutants into the



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stream system, including nitrates and phosphorus, which would otherwise be available as fertilizer, which helps in maintaining and supplementing nutrients in the soil. This adds to the Gulf of Mexico hypoxia problem (dead zone), a national environmental concern. The excessive loss of topsoil during the disaster event period degraded the productive capability of the land, resulting in permanently lower crop yields without the addition of even more nutrients and other costly inputs, which places economic revitalization at risk. The reduced productive capability as a result of the loss of topsoil means that further inputs (fertilizer) will need to be introduced to maintain the productivity of the soil, introducing additional economic burdens on producers in the area, and perpetuating the environmental degradation of this area and interrelated areas downstream. If another event occurs, the area can expect to see further impacts in loss of productivity of the soils, and loss of nutrients, which accelerates the environmental degradation downstream. See [DR-4126 Most Impacted](#) data for maps and supporting analysis documentation.

### ***Most Distressed Characteristics***

This sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean Water Act) stream segment within the South Skunk River watershed. The presence of pollutants was increased through the events that occurred in disaster DR-4126, magnifying existing problems in the watershed, and downstream of this sub county area. This watershed contains part of the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area.

### **Unmet Recovery Needs Threshold**

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

The sub-county area has Unmet Recovery Needs in the form of Environmental Degradation, and is the result of losses of topsoil as a direct result of the eligible disaster event. Because topsoil takes generations to regenerate, the loss of this resource can be considered to be permanent as the needs of continued production outstrip nature's ability to replenish the soil. Utilizing a benchmark value for one potentially beneficial conservation practice program implemented to a limited degree within the state by the Iowa Department of Agriculture and Land Stewardship, it has been estimated that it would cost [\\$5,550,408.30](#) to repair the damage from environmental degradation in this area. For further details on the determination of this estimate, see the [Environmental Distress Data](#) attachments.

### **Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Marshall County, Census Tract 9503 as a result of DR-4126 that occurred in 2013. The area is within Marshall County.

#### ***Marshall County, Census Tract 9503***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from DR-4126.

#### ***Methodology***

To determine the most impacted sub-county areas by environmental degradation, the Iowa Homeland Security and Emergency Management Department consulted with experts from the Natural Resources Conservation Service of the United States Department of Agriculture and the Department of Agronomy at Iowa State University to determine the best method of evaluating environmental degradation as it relates to Iowa's land and water. Through this consultation, a methodology was developed to identify the most impacted areas of the state based on the events contributing to the eligible presidentially declared disasters. This methodology can be viewed in [Iowa Environmental Degradation Determination Methodology](#).

#### ***Most Impacted Characteristics***

This sub-county area qualifies as impacted under criterion D of Appendix G - Environmental Degradation. The designated sub-county area had excessive soil loss as a result of the impacts of disaster DR-4126. This soil loss resulted in increased sediment delivery to waterways in the immediate vicinity, and further downstream effects. This in turn introduced pollutants into the

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stream system, including nitrates and phosphorus, which would otherwise be available as fertilizer, which helps in maintaining and supplementing nutrients in the soil. This adds to the Gulf of Mexico hypoxia problem (dead zone), a national environmental concern. The excessive loss of topsoil during the disaster event period degraded the productive capability of the land, resulting in permanently lower crop yields without the addition of even more nutrients and other costly inputs, which places economic revitalization at risk. The reduced productive capability as a result of the loss of topsoil means that further inputs (fertilizer) will need to be introduced to maintain the productivity of the soil, introducing additional economic burdens on producers in the area, and perpetuating the environmental degradation of this area and interrelated areas downstream. If another event occurs, the area can expect to see further impacts in loss of productivity of the soils, and loss of nutrients, which accelerates the environmental degradation downstream. See [DR-4126 Most Impacted](#) data for maps and supporting analysis documentation.

### ***Most Distressed Characteristics***

This sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean Water Act) stream segment within the South Skunk River watershed. The presence of pollutants was increased through the events that occurred in disaster DR-4126, magnifying existing problems in the watershed, and downstream of this sub county area. This watershed contains part of the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area.

### **Unmet Recovery Needs Threshold**

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

The sub-county area has Unmet Recovery Needs in the form of Environmental Degradation, and is the result of losses of topsoil as a direct result of the eligible disaster event. Because topsoil takes generations to regenerate, the loss of this resource can be considered to be permanent as the needs of continued production outstrip nature's ability to replenish the soil. Utilizing a benchmark value for one potentially beneficial conservation practice program implemented to a limited degree within the state by the Iowa Department of Agriculture and Land Stewardship, it has been estimated that it would cost \$5,520,974.60 to repair the damage from environmental degradation in this area. For further details on the determination of this estimate, see the [Environmental Distress Data](#) attachments.



### **Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Marshall County, Census Tract 9504 as a result of DR-4126 that occurred in 2013. The area is within Marshall County.

#### ***Marshall County, Census Tract 9504***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from DR-4126.

#### ***Methodology***

To determine the most impacted sub-county areas by environmental degradation, the Iowa Homeland Security and Emergency Management Department consulted with experts from the Natural Resources Conservation Service of the United States Department of Agriculture and the Department of Agronomy at Iowa State University to determine the best method of evaluating environmental degradation as it relates to Iowa's land and water. Through this consultation, a methodology was developed to identify the most impacted areas of the state based on the events contributing to the eligible presidentially declared disasters. This methodology can be viewed in [Iowa Environmental Degradation Determination Methodology](#).

#### ***Most Impacted Characteristics***

This sub-county area qualifies as impacted under criterion D of Appendix G - Environmental Degradation. The designated sub-county area had excessive soil loss as a result of the impacts of disaster DR-4126. This soil loss resulted in increased sediment delivery to waterways in the

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immediate vicinity, and further downstream effects. This in turn introduced pollutants into the stream system, including nitrates and phosphorus, which would otherwise be available as fertilizer, which helps in maintaining and supplementing nutrients in the soil. This adds to the Gulf of Mexico hypoxia problem (dead zone), a national environmental concern. The excessive loss of topsoil during the disaster event period degraded the productive capability of the land, resulting in permanently lower crop yields without the addition of even more nutrients and other costly inputs, which places economic revitalization at risk. The reduced productive capability as a result of the loss of topsoil means that further inputs (fertilizer) will need to be introduced to maintain the productivity of the soil, introducing additional economic burdens on producers in the area, and perpetuating the environmental degradation of this area and interrelated areas downstream. If another event occurs, the area can expect to see further impacts in loss of productivity of the soils, and loss of nutrients, which accelerates the environmental degradation downstream. See [DR-4126 Most Impacted](#) data for maps and supporting analysis documentation.

### ***Most Distressed Characteristics***

This sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean Water Act) stream segment within the North Skunk River watershed. The presence of pollutants was increased through the events that occurred in disaster DR-4126, magnifying existing problems in the watershed, and downstream of this sub county area. This watershed contains part of the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area.

### **Unmet Recovery Needs Threshold**

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

The sub-county area has Unmet Recovery Needs in the form of Environmental Degradation, and is the result of losses of topsoil as a direct result of the eligible disaster event. Because topsoil takes generations to regenerate, the loss of this resource can be considered to be permanent as the needs of continued production outstrip nature's ability to replenish the soil. Utilizing a benchmark value for one potentially beneficial conservation practice program implemented to a limited degree within the state by the Iowa Department of Agriculture and Land Stewardship, it has been estimated that it would cost [\\$4,009,263.60](#) to repair the damage from environmental degradation in this area. For further details on the determination of this estimate, see the [Environmental Distress Data](#) attachments.

### **Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Poweshiek County, Census Tract 3702 as a result of DR-4126 that occurred in 2013. The area is within Poweshiek County.

#### ***Poweshiek County, Census Tract 3702***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from DR-4126.

#### ***Methodology***

To determine the most impacted sub-county areas by environmental degradation, the Iowa Homeland Security and Emergency Management Department consulted with experts from the Natural Resources Conservation Service of the United States Department of Agriculture and the Department of Agronomy at Iowa State University to determine the best method of evaluating environmental degradation as it relates to Iowa's land and water. Through this consultation, a methodology was developed to identify the most impacted areas of the state based on the events contributing to the eligible presidentially declared disasters. This methodology can be viewed in [Iowa Environmental Degradation Determination Methodology](#).

#### ***Most Impacted Characteristics***

This sub-county area qualifies as impacted under criterion D of Appendix G - Environmental Degradation. The designated sub-county area had excessive soil loss as a result of the impacts of disaster DR-4126. This soil loss resulted in increased sediment delivery to waterways in the immediate vicinity, and further downstream effects. This in turn introduced pollutants into the

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stream system, including nitrates and phosphorus, which would otherwise be available as fertilizer, which helps in maintaining and supplementing nutrients in the soil. This adds to the Gulf of Mexico hypoxia problem (dead zone), a national environmental concern. The excessive loss of topsoil during the disaster event period degraded the productive capability of the land, resulting in permanently lower crop yields without the addition of even more nutrients and other costly inputs, which places economic revitalization at risk. The reduced productive capability as a result of the loss of topsoil means that further inputs (fertilizer) will need to be introduced to maintain the productivity of the soil, introducing additional economic burdens on producers in the area, and perpetuating the environmental degradation of this area and interrelated areas downstream. If another event occurs, the area can expect to see further impacts in loss of productivity of the soils, and loss of nutrients, which accelerates the environmental degradation downstream. See [DR-4126 Most Impacted](#) data for maps and supporting analysis documentation.

### ***Most Distressed Characteristics***

This sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean Water Act) stream segment within the North Skunk River watershed. The presence of pollutants was increased through the events that occurred in disaster DR-4126, magnifying existing problems in the watershed, and downstream of this sub county area. This watershed contains part of the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area.

### **Unmet Recovery Needs Threshold**



## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

The sub-county area has Unmet Recovery Needs in the form of Environmental Degradation, and is the result of losses of topsoil as a direct result of the eligible disaster event. Because topsoil takes generations to regenerate, the loss of this resource can be considered to be permanent as the needs of continued production outstrip nature's ability to replenish the soil. Utilizing a benchmark value for one potentially beneficial conservation practice program implemented to a limited degree within the state by the Iowa Department of Agriculture and Land Stewardship, it has been estimated that it would cost [\\$7,545,966.67](#) to repair the damage from environmental degradation in this area. For further details on the determination of this estimate, see the [Environmental Distress Data](#) attachments.

### **Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Poweshiek County, Census Tract 3705 as a result of DR-4126 that occurred in 2013. The area is within Poweshiek County.

#### ***Poweshiek County, Census Tract 3705***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from DR-4126.

#### ***Methodology***

To determine the most impacted sub-county areas by environmental degradation, the Iowa Homeland Security and Emergency Management Department consulted with experts from the Natural Resources Conservation Service of the United States Department of Agriculture and the Department of Agronomy at Iowa State University to determine the best method of evaluating environmental degradation as it relates to Iowa's land and water. Through this consultation, a methodology was developed to identify the most impacted areas of the state based on the events contributing to the eligible presidentially declared disasters. This methodology can be viewed in [Iowa Environmental Degradation Determination Methodology](#).

#### ***Most Impacted Characteristics***

This sub-county area qualifies as impacted under criterion D of Appendix G - Environmental Degradation. The designated sub-county area had excessive soil loss as a result of the impacts of disaster DR-4126. This soil loss resulted in increased sediment delivery to waterways in the immediate vicinity, and further downstream effects. This in turn introduced pollutants into the

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stream system, including nitrates and phosphorus, which would otherwise be available as fertilizer, which helps in maintaining and supplementing nutrients in the soil. This adds to the Gulf of Mexico hypoxia problem (dead zone), a national environmental concern. The excessive loss of topsoil during the disaster event period degraded the productive capability of the land, resulting in permanently lower crop yields without the addition of even more nutrients and other costly inputs, which places economic revitalization at risk. The reduced productive capability as a result of the loss of topsoil means that further inputs (fertilizer) will need to be introduced to maintain the productivity of the soil, introducing additional economic burdens on producers in the area, and perpetuating the environmental degradation of this area and interrelated areas downstream. If another event occurs, the area can expect to see further impacts in loss of productivity of the soils, and loss of nutrients, which accelerates the environmental degradation downstream. See [DR-4126 Most Impacted](#) data for maps and supporting analysis documentation.

### ***Most Distressed Characteristics***

This sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean Water Act) stream segment within the North Skunk River watershed. The presence of pollutants was increased through the events that occurred in disaster DR-4126, magnifying existing problems in the watershed, and downstream of this sub county area. This watershed contains part of the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area.

### **Unmet Recovery Needs Threshold**

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The sub-county area has Unmet Recovery Needs in the form of Environmental Degradation, and is the result of losses of topsoil as a direct result of the eligible disaster event. Because topsoil takes generations to regenerate, the loss of this resource can be considered to be permanent as the needs of continued production outstrip nature's ability to replenish the soil. Utilizing a benchmark value for one potentially beneficial conservation practice program implemented to a limited degree within the state by the Iowa Department of Agriculture and Land Stewardship, it has been estimated that it would cost [\\$5,812,550.65](#) to repair the damage from environmental degradation in this area. For further details on the determination of this estimate, see the [Environmental Distress Data](#) attachments.

### **Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Sioux County, Census Tract 703 as a result of DR-4126 that occurred in 2013. The area is within Sioux County.

### ***Sioux County, Census Tract 703***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from DR-4126.

### ***Methodology***

To determine the most impacted sub-county areas by environmental degradation, the Iowa Homeland Security and Emergency Management Department consulted with experts from the Natural Resources Conservation Service of the United States Department of Agriculture and the Department of Agronomy at Iowa State University to determine the best method of evaluating environmental degradation as it relates to Iowa's land and water. Through this consultation, a methodology was developed to identify the most impacted areas of the state based on the events contributing to the eligible presidentially declared disasters. This methodology can be viewed in [Iowa Environmental Degradation Determination Methodology](#).

### ***Most Impacted Characteristics***

This sub-county area qualifies as impacted under criterion D of Appendix G - Environmental Degradation. The designated sub-county area had excessive soil loss as a result of the impacts of disaster DR-4126. This soil loss resulted in increased sediment delivery to waterways in the immediate vicinity, and further downstream effects. This in turn introduced pollutants into the



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stream system, including nitrates and phosphorus, which would otherwise be available as fertilizer, which helps in maintaining and supplementing nutrients in the soil. This adds to the Gulf of Mexico hypoxia problem (dead zone), a national environmental concern. The excessive loss of topsoil during the disaster event period degraded the productive capability of the land, resulting in permanently lower crop yields without the addition of even more nutrients and other costly inputs, which places economic revitalization at risk. The reduced productive capability as a result of the loss of topsoil means that further inputs (fertilizer) will need to be introduced to maintain the productivity of the soil, introducing additional economic burdens on producers in the area, and perpetuating the environmental degradation of this area and interrelated areas downstream. If another event occurs, the area can expect to see further impacts in loss of productivity of the soils, and loss of nutrients, which accelerates the environmental degradation downstream. See [DR-4126 Most Impacted](#) data for maps and supporting analysis documentation.

### ***Most Distressed Characteristics***

This sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean Water Act) stream segment within the Big Sioux River - Lower watershed. The presence of pollutants was increased through the events that occurred in disaster DR-4126, magnifying existing problems in the watershed, and downstream of this sub county area. This watershed contains part of the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area.

### **Unmet Recovery Needs Threshold**

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

The sub-county area has Unmet Recovery Needs in the form of Environmental Degradation, and is the result of losses of topsoil as a direct result of the eligible disaster event. Because topsoil takes generations to regenerate, the loss of this resource can be considered to be permanent as the needs of continued production outstrip nature's ability to replenish the soil. Utilizing a benchmark value for one potentially beneficial conservation practice program implemented to a limited degree within the state by the Iowa Department of Agriculture and Land Stewardship, it has been estimated that it would cost \$6,902,748.26 to repair the damage from environmental degradation in this area. For further details on the determination of this estimate, see the [Environmental Distress Data](#) attachments.

### **Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Tama County, Census Tract 2901 as a result of DR-4126 that occurred in 2013. The area is within Tama County.

#### ***Tama County, Census Tract 2901***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from DR-4126.

#### ***Methodology***

To determine the most impacted sub-county areas by environmental degradation, the Iowa Homeland Security and Emergency Management Department consulted with experts from the Natural Resources Conservation Service of the United States Department of Agriculture and the Department of Agronomy at Iowa State University to determine the best method of evaluating environmental degradation as it relates to Iowa's land and water. Through this consultation, a methodology was developed to identify the most impacted areas of the state based on the events contributing to the eligible presidentially declared disasters. This methodology can be viewed in [Iowa Environmental Degradation Determination Methodology](#).

#### ***Most Impacted Characteristics***

This sub-county area qualifies as impacted under criterion D of Appendix G - Environmental Degradation. The designated sub-county area had excessive soil loss as a result of the impacts of disaster DR-4126. This soil loss resulted in increased sediment delivery to waterways in the immediate vicinity, and further downstream effects. This in turn introduced pollutants into the

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

stream system, including nitrates and phosphorus, which would otherwise be available as fertilizer, which helps in maintaining and supplementing nutrients in the soil. This adds to the Gulf of Mexico hypoxia problem (dead zone), a national environmental concern. The excessive loss of topsoil during the disaster event period degraded the productive capability of the land, resulting in permanently lower crop yields without the addition of even more nutrients and other costly inputs, which places economic revitalization at risk. The reduced productive capability as a result of the loss of topsoil means that further inputs (fertilizer) will need to be introduced to maintain the productivity of the soil, introducing additional economic burdens on producers in the area, and perpetuating the environmental degradation of this area and interrelated areas downstream. If another event occurs, the area can expect to see further impacts in loss of productivity of the soils, and loss of nutrients, which accelerates the environmental degradation downstream. See [DR-4126 Most Impacted](#) data for maps and supporting analysis documentation.

### ***Most Distressed Characteristics***

This sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean Water Act) stream segment within the Cedar River - Middle watershed. The presence of pollutants was increased through the events that occurred in disaster DR-4126, magnifying existing problems in the watershed, and downstream of this sub county area. This watershed contains part of the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area.

### **Unmet Recovery Needs Threshold**

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

The sub-county area has Unmet Recovery Needs in the form of Environmental Degradation, and is the result of losses of topsoil as a direct result of the eligible disaster event. Because topsoil takes generations to regenerate, the loss of this resource can be considered to be permanent as the needs of continued production outstrip nature's ability to replenish the soil. Utilizing a benchmark value for one potentially beneficial conservation practice program implemented to a limited degree within the state by the Iowa Department of Agriculture and Land Stewardship, it has been estimated that it would cost [\\$6,708,774.24](#) to repair the damage from environmental degradation in this area. For further details on the determination of this estimate, see the [Environmental Distress Data](#) attachments.



### **Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Tama County, Census Tract 2903 as a result of DR-4126 that occurred in 2013. The area is within Tama County.

#### ***Tama County, Census Tract 2903***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from DR-4126.

#### ***Methodology***

To determine the most impacted sub-county areas by environmental degradation, the Iowa Homeland Security and Emergency Management Department consulted with experts from the Natural Resources Conservation Service of the United States Department of Agriculture and the Department of Agronomy at Iowa State University to determine the best method of evaluating environmental degradation as it relates to Iowa's land and water. Through this consultation, a methodology was developed to identify the most impacted areas of the state based on the events contributing to the eligible presidentially declared disasters. This methodology can be viewed in [Iowa Environmental Degradation Determination Methodology](#).

#### ***Most Impacted Characteristics***

This sub-county area qualifies as impacted under criterion D of Appendix G - Environmental Degradation. The designated sub-county area had excessive soil loss as a result of the impacts of disaster DR-4126. This soil loss resulted in increased sediment delivery to waterways in the immediate vicinity, and further downstream effects. This in turn introduced pollutants into the

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

stream system, including nitrates and phosphorus, which would otherwise be available as fertilizer, which helps in maintaining and supplementing nutrients in the soil. This adds to the Gulf of Mexico hypoxia problem (dead zone), a national environmental concern. The excessive loss of topsoil during the disaster event period degraded the productive capability of the land, resulting in permanently lower crop yields without the addition of even more nutrients and other costly inputs, which places economic revitalization at risk. The reduced productive capability as a result of the loss of topsoil means that further inputs (fertilizer) will need to be introduced to maintain the productivity of the soil, introducing additional economic burdens on producers in the area, and perpetuating the environmental degradation of this area and interrelated areas downstream. If another event occurs, the area can expect to see further impacts in loss of productivity of the soils, and loss of nutrients, which accelerates the environmental degradation downstream. See [DR-4126 Most Impacted](#) data for maps and supporting analysis documentation.

### ***Most Distressed Characteristics***

This sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean Water Act) stream segment within the Cedar River - Middle watershed. The presence of pollutants was increased through the events that occurred in disaster DR-4126, magnifying existing problems in the watershed, and downstream of this sub county area. This watershed contains part of the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area.

### **Unmet Recovery Needs Threshold**

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

The sub-county area has Unmet Recovery Needs in the form of Environmental Degradation, and is the result of losses of topsoil as a direct result of the eligible disaster event. Because topsoil takes generations to regenerate, the loss of this resource can be considered to be permanent as the needs of continued production outstrip nature's ability to replenish the soil. Utilizing a benchmark value for one potentially beneficial conservation practice program implemented to a limited degree within the state by the Iowa Department of Agriculture and Land Stewardship, it has been estimated that it would cost [\\$4,868,930.65](#) to repair the damage from environmental degradation in this area. For further details on the determination of this estimate, see the [Environmental Distress Data](#) attachments.

### **Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Tama County, Census Tract 2906 as a result of DR-4126 that occurred in 2013. The area is within Tama County.

### ***Tama County, Census Tract 2906***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which

### ***Methodology***

To determine the most impacted sub-county areas by environmental degradation, the Iowa Homeland Security and Emergency Management Department consulted with experts from the Natural Resources Conservation Service of the United States Department of Agriculture and the Department of Agronomy at Iowa State University to determine the best method of evaluating environmental degradation as it relates to Iowa's land and water. Through this consultation, a methodology was developed to identify the most impacted areas of the state based on the events contributing to the eligible presidentially declared disasters. This methodology can be viewed in [Iowa Environmental Degradation Determination Methodology](#).

### ***Most Impacted Characteristics***

This sub-county area qualifies as impacted under criterion D of Appendix G - Environmental Degradation. The designated sub-county area had excessive soil loss as a result of the impacts of disaster DR-4126. This soil loss resulted in increased sediment delivery to waterways in the immediate vicinity, and further downstream effects. This in turn introduced pollutants into the stream system, including nitrates and phosphorus, which would otherwise be available as fertilizer, which helps in maintaining and supplementing nutrients in the soil. This adds to the

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

Gulf of Mexico hypoxia problem (dead zone), a national environmental concern. The excessive loss of topsoil during the disaster event period degraded the productive capability of the land, resulting in permanently lower crop yields without the addition of even more nutrients and other costly inputs, which places economic revitalization at risk. The reduced productive capability as a result of the loss of topsoil means that further inputs (fertilizer) will need to be introduced to maintain the productivity of the soil, introducing additional economic burdens on producers in the area, and perpetuating the environmental degradation of this area and interrelated areas downstream. If another event occurs, the area can expect to see further impacts in loss of productivity of the soils, and loss of nutrients, which accelerates the environmental degradation downstream. See [DR-4126 Most Impacted](#) data for maps and supporting analysis documentation.

### *Most Distressed Characteristics*

This sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean Water Act) stream segment within the Iowa River - Middle watershed. The presence of pollutants was increased through the events that occurred in disaster DR-4126, magnifying existing problems in the watershed, and downstream of this sub county area. This watershed contains part of the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area.

### **Unmet Recovery Needs Threshold**

The sub-county area has Unmet Recovery Needs in the form of Environmental Degradation, and is the result of losses of topsoil as a direct result of the eligible disaster event. Because topsoil takes generations to regenerate, the loss of this resource can be considered to be permanent as the



Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

needs of continued production outstrip nature's ability to replenish the soil. Utilizing a benchmark value for one potentially beneficial conservation practice program implemented to a limited degree within the state by the Iowa Department of Agriculture and Land Stewardship, it has been estimated that it would cost \$6,359,540.82 to repair the damage from environmental degradation in this area. For further details on the determination of this estimate, see the [Environmental Distress Data](#) attachments.

### **Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Allamakee County, Census Tract 9604 as a result of DR-4135 that occurred in 2013. The area is within Allamakee County.

#### ***Allamakee County, Census Tract 9604***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from DR-4135.

#### ***Methodology***

To determine the most impacted sub-county areas by environmental degradation, the Iowa Homeland Security and Emergency Management Department consulted with experts from the Natural Resources Conservation Service of the United States Department of Agriculture and the Department of Agronomy at Iowa State University to determine the best method of evaluating environmental degradation as it relates to Iowa's land and water. Through this consultation, a methodology was developed to identify the most impacted areas of the state based on the events contributing to the eligible presidentially declared disasters. This methodology can be viewed in [Iowa Environmental Degradation Determination Methodology](#).

#### ***Most Impacted Characteristics***

This sub-county area qualifies as impacted under criterion D of Appendix G - Environmental Degradation. The designated sub-county area had excessive soil loss as a result of the impacts of disaster DR-4135. This soil loss resulted in increased sediment delivery to waterways in the immediate vicinity, and further downstream effects. This in turn introduced pollutants into the

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

stream system, including nitrates and phosphorus, which would otherwise be available as fertilizer, which helps in maintaining and supplementing nutrients in the soil. This adds to the Gulf of Mexico hypoxia problem (dead zone), a national environmental concern. The excessive loss of topsoil during the disaster event period degraded the productive capability of the land, resulting in permanently lower crop yields without the addition of even more nutrients and other costly inputs, which places economic revitalization at risk. The reduced productive capability as a result of the loss of topsoil means that further inputs (fertilizer) will need to be introduced to maintain the productivity of the soil, introducing additional economic burdens on producers in the area, and perpetuating the environmental degradation of this area and interrelated areas downstream. If another event occurs, the area can expect to see further impacts in loss of productivity of the soils, and loss of nutrients, which accelerates the environmental degradation downstream. See [DR-4135 Most Impacted](#) data for maps and supporting analysis documentation.

### ***Most Distressed Characteristics***

This sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean Water Act) stream segment within the Mississippi River - Yellow River watershed. The presence of pollutants was increased through the events that occurred in disaster DR-4135, magnifying existing problems in the watershed, and downstream of this sub county area. This watershed contains part of the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area.

### **Unmet Recovery Needs Threshold**

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

The sub-county area has Unmet Recovery Needs in the form of Environmental Degradation, and is the result of losses of topsoil as a direct result of the eligible disaster event. Because topsoil takes generations to regenerate, the loss of this resource can be considered to be permanent as the needs of continued production outstrip nature's ability to replenish the soil. Utilizing a benchmark value for one potentially beneficial conservation practice program implemented to a limited degree within the state by the Iowa Department of Agriculture and Land Stewardship, it has been estimated that it would cost [\\$4,229,071.35](#) to repair the damage from environmental degradation in this area. For further details on the determination of this estimate, see the [Environmental Distress Data](#) attachments.

### **Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Buchanan County, Census Tract 9506 as a result of DR-4135 that occurred in 2013. The area is within Buchanan County.

#### ***Buchanan County, Census Tract 9506***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from DR-4135.

#### ***Methodology***

To determine the most impacted sub-county areas by environmental degradation, the Iowa Homeland Security and Emergency Management Department consulted with experts from the Natural Resources Conservation Service of the United States Department of Agriculture and the Department of Agronomy at Iowa State University to determine the best method of evaluating environmental degradation as it relates to Iowa's land and water. Through this consultation, a methodology was developed to identify the most impacted areas of the state based on the events contributing to the eligible presidentially declared disasters. This methodology can be viewed in [Iowa Environmental Degradation Determination Methodology](#).

#### ***Most Impacted Characteristics***

This sub-county area qualifies as impacted under criterion D of Appendix G - Environmental Degradation. The designated sub-county area had excessive soil loss as a result of the impacts of disaster DR-4135. This soil loss resulted in increased sediment delivery to waterways in the immediate vicinity, and further downstream effects. This in turn introduced pollutants into the



## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

stream system, including nitrates and phosphorus, which would otherwise be available as fertilizer, which helps in maintaining and supplementing nutrients in the soil. This adds to the Gulf of Mexico hypoxia problem (dead zone), a national environmental concern. The excessive loss of topsoil during the disaster event period degraded the productive capability of the land, resulting in permanently lower crop yields without the addition of even more nutrients and other costly inputs, which places economic revitalization at risk. The reduced productive capability as a result of the loss of topsoil means that further inputs (fertilizer) will need to be introduced to maintain the productivity of the soil, introducing additional economic burdens on producers in the area, and perpetuating the environmental degradation of this area and interrelated areas downstream. If another event occurs, the area can expect to see further impacts in loss of productivity of the soils, and loss of nutrients, which accelerates the environmental degradation downstream. See [DR-4135 Most Impacted](#) data for maps and supporting analysis documentation.

### ***Most Distressed Characteristics***

This sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean Water Act) stream segment within the Maquoketa River watershed. The presence of pollutants was increased through the events that occurred in disaster DR-4135, magnifying existing problems in the watershed, and downstream of this sub county area. This watershed contains part of the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area.

### **Unmet Recovery Needs Threshold**

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

The sub-county area has Unmet Recovery Needs in the form of Environmental Degradation, and is the result of losses of topsoil as a direct result of the eligible disaster event. Because topsoil takes generations to regenerate, the loss of this resource can be considered to be permanent as the needs of continued production outstrip nature's ability to replenish the soil. Utilizing a benchmark value for one potentially beneficial conservation practice program implemented to a limited degree within the state by the Iowa Department of Agriculture and Land Stewardship, it has been estimated that it would cost [\\$8,143,724.58](#) to repair the damage from environmental degradation in this area. For further details on the determination of this estimate, see the [Environmental Distress Data](#) attachments.

### **Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Cedar County, Census Tract 4501 as a result of DR-4135 that occurred in 2013. The area is within Cedar County.

#### ***Cedar County, Census Tract 4501***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from DR-4135.

#### ***Methodology***

To determine the most impacted sub-county areas by environmental degradation, the Iowa Homeland Security and Emergency Management Department consulted with experts from the Natural Resources Conservation Service of the United States Department of Agriculture and the Department of Agronomy at Iowa State University to determine the best method of evaluating environmental degradation as it relates to Iowa's land and water. Through this consultation, a methodology was developed to identify the most impacted areas of the state based on the events contributing to the eligible presidentially declared disasters. This methodology can be viewed in [Iowa Environmental Degradation Determination Methodology](#).

#### ***Most Impacted Characteristics***

This sub-county area qualifies as impacted under criterion D of Appendix G - Environmental Degradation. The designated sub-county area had excessive soil loss as a result of the impacts of disaster DR-4135. This soil loss resulted in increased sediment delivery to waterways in the immediate vicinity, and further downstream effects. This in turn introduced pollutants into the

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

stream system, including nitrates and phosphorus, which would otherwise be available as fertilizer, which helps in maintaining and supplementing nutrients in the soil. This adds to the Gulf of Mexico hypoxia problem (dead zone), a national environmental concern. The excessive loss of topsoil during the disaster event period degraded the productive capability of the land, resulting in permanently lower crop yields without the addition of even more nutrients and other costly inputs, which places economic revitalization at risk. The reduced productive capability as a result of the loss of topsoil means that further inputs (fertilizer) will need to be introduced to maintain the productivity of the soil, introducing additional economic burdens on producers in the area, and perpetuating the environmental degradation of this area and interrelated areas downstream. If another event occurs, the area can expect to see further impacts in loss of productivity of the soils, and loss of nutrients, which accelerates the environmental degradation downstream. See [DR-4135 Most Impacted](#) data for maps and supporting analysis documentation.

### ***Most Distressed Characteristics***

This sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean Water Act) stream segment within the Wapsipinicon River - Lower watershed. The presence of pollutants was increased through the events that occurred in disaster DR-4135, magnifying existing problems in the watershed, and downstream of this sub county area. This watershed contains part of the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area.

### **Unmet Recovery Needs Threshold**

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

The sub-county area has Unmet Recovery Needs in the form of Environmental Degradation, and is the result of losses of topsoil as a direct result of the eligible disaster event. Because topsoil takes generations to regenerate, the loss of this resource can be considered to be permanent as the needs of continued production outstrip nature's ability to replenish the soil. Utilizing a benchmark value for one potentially beneficial conservation practice program implemented to a limited degree within the state by the Iowa Department of Agriculture and Land Stewardship, it has been estimated that it would cost [\\$4,178,346.68](#) to repair the damage from environmental degradation in this area. For further details on the determination of this estimate, see the [Environmental Distress Data](#) attachments.



### **Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Clayton County, Census Tract 701 as a result of DR-4135 that occurred in 2013. The area is within Clayton County.

#### ***Clayton County, Census Tract 701***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from DR-4135.

#### ***Methodology***

To determine the most impacted sub-county areas by environmental degradation, the Iowa Homeland Security and Emergency Management Department consulted with experts from the Natural Resources Conservation Service of the United States Department of Agriculture and the Department of Agronomy at Iowa State University to determine the best method of evaluating environmental degradation as it relates to Iowa's land and water. Through this consultation, a methodology was developed to identify the most impacted areas of the state based on the events contributing to the eligible presidentially declared disasters. This methodology can be viewed in [Iowa Environmental Degradation Determination Methodology](#).

#### ***Most Impacted Characteristics***

This sub-county area qualifies as impacted under criterion D of Appendix G - Environmental Degradation. The designated sub-county area had excessive soil loss as a result of the impacts of disaster DR-4135. This soil loss resulted in increased sediment delivery to waterways in the immediate vicinity, and further downstream effects. This in turn introduced pollutants into the

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

stream system, including nitrates and phosphorus, which would otherwise be available as fertilizer, which helps in maintaining and supplementing nutrients in the soil. This adds to the Gulf of Mexico hypoxia problem (dead zone), a national environmental concern. The excessive loss of topsoil during the disaster event period degraded the productive capability of the land, resulting in permanently lower crop yields without the addition of even more nutrients and other costly inputs, which places economic revitalization at risk. The reduced productive capability as a result of the loss of topsoil means that further inputs (fertilizer) will need to be introduced to maintain the productivity of the soil, introducing additional economic burdens on producers in the area, and perpetuating the environmental degradation of this area and interrelated areas downstream. If another event occurs, the area can expect to see further impacts in loss of productivity of the soils, and loss of nutrients, which accelerates the environmental degradation downstream. See [DR-4135 Most Impacted](#) data for maps and supporting analysis documentation.

### ***Most Distressed Characteristics***

This sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean Water Act) stream segment within the Mississippi River - Yellow River watershed. The presence of pollutants was increased through the events that occurred in disaster DR-4135, magnifying existing problems in the watershed, and downstream of this sub county area. This watershed contains part of the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area.

### **Unmet Recovery Needs Threshold**

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

The sub-county area has Unmet Recovery Needs in the form of Environmental Degradation, and is the result of losses of topsoil as a direct result of the eligible disaster event. Because topsoil takes generations to regenerate, the loss of this resource can be considered to be permanent as the needs of continued production outstrip nature's ability to replenish the soil. Utilizing a benchmark value for one potentially beneficial conservation practice program implemented to a limited degree within the state by the Iowa Department of Agriculture and Land Stewardship, it has been estimated that it would cost [\\$3,422,022.02](#) to repair the damage from environmental degradation in this area. For further details on the determination of this estimate, see the [Environmental Distress Data](#) attachments.

### **Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Clayton County, Census Tract 702 as a result of DR-4135 that occurred in 2013. The area is within Clayton County.

#### ***Clayton County, Census Tract 702***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from DR-4135.

#### ***Methodology***

To determine the most impacted sub-county areas by environmental degradation, the Iowa Homeland Security and Emergency Management Department consulted with experts from the Natural Resources Conservation Service of the United States Department of Agriculture and the Department of Agronomy at Iowa State University to determine the best method of evaluating environmental degradation as it relates to Iowa's land and water. Through this consultation, a methodology was developed to identify the most impacted areas of the state based on the events contributing to the eligible presidentially declared disasters. This methodology can be viewed in [Iowa Environmental Degradation Determination Methodology](#).

#### ***Most Impacted Characteristics***

This sub-county area qualifies as impacted under criterion D of Appendix G - Environmental Degradation. The designated sub-county area had excessive soil loss as a result of the impacts of disaster DR-4135. This soil loss resulted in increased sediment delivery to waterways in the immediate vicinity, and further downstream effects. This in turn introduced pollutants into the

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

stream system, including nitrates and phosphorus, which would otherwise be available as fertilizer, which helps in maintaining and supplementing nutrients in the soil. This adds to the Gulf of Mexico hypoxia problem (dead zone), a national environmental concern. The excessive loss of topsoil during the disaster event period degraded the productive capability of the land, resulting in permanently lower crop yields without the addition of even more nutrients and other costly inputs, which places economic revitalization at risk. The reduced productive capability as a result of the loss of topsoil means that further inputs (fertilizer) will need to be introduced to maintain the productivity of the soil, introducing additional economic burdens on producers in the area, and perpetuating the environmental degradation of this area and interrelated areas downstream. If another event occurs, the area can expect to see further impacts in loss of productivity of the soils, and loss of nutrients, which accelerates the environmental degradation downstream. See [DR-4135 Most Impacted](#) data for maps and supporting analysis documentation.

### ***Most Distressed Characteristics***

This sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean Water Act) stream segment within the Mississippi River - Yellow River watershed. The presence of pollutants was increased through the events that occurred in disaster DR-4135, magnifying existing problems in the watershed, and downstream of this sub county area. This watershed contains part of the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area.

### **Unmet Recovery Needs Threshold**



## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

The sub-county area has Unmet Recovery Needs in the form of Environmental Degradation, and is the result of losses of topsoil as a direct result of the eligible disaster event. Because topsoil takes generations to regenerate, the loss of this resource can be considered to be permanent as the needs of continued production outstrip nature's ability to replenish the soil. Utilizing a benchmark value for one potentially beneficial conservation practice program implemented to a limited degree within the state by the Iowa Department of Agriculture and Land Stewardship, it has been estimated that it would cost [\\$4,627,572.11](#) to repair the damage from environmental degradation in this area. For further details on the determination of this estimate, see the [Environmental Distress Data](#) attachments.

### **Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Delaware County, Census Tract 9504 as a result of DR-4135 that occurred in 2013. The area is within Delaware County.

#### ***Delaware County, Census Tract 9504***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from DR-4135.

#### ***Methodology***

To determine the most impacted sub-county areas by environmental degradation, the Iowa Homeland Security and Emergency Management Department consulted with experts from the Natural Resources Conservation Service of the United States Department of Agriculture and the Department of Agronomy at Iowa State University to determine the best method of evaluating environmental degradation as it relates to Iowa's land and water. Through this consultation, a methodology was developed to identify the most impacted areas of the state based on the events contributing to the eligible presidentially declared disasters. This methodology can be viewed in [Iowa Environmental Degradation Determination Methodology](#).

#### ***Most Impacted Characteristics***

This sub-county area qualifies as impacted under criterion D of Appendix G - Environmental Degradation. The designated sub-county area had excessive soil loss as a result of the impacts of disaster DR-4135. This soil loss resulted in increased sediment delivery to waterways in the immediate vicinity, and further downstream effects. This in turn introduced pollutants into the

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stream system, including nitrates and phosphorus, which would otherwise be available as fertilizer, which helps in maintaining and supplementing nutrients in the soil. This adds to the Gulf of Mexico hypoxia problem (dead zone), a national environmental concern. The excessive loss of topsoil during the disaster event period degraded the productive capability of the land, resulting in permanently lower crop yields without the addition of even more nutrients and other costly inputs, which places economic revitalization at risk. The reduced productive capability as a result of the loss of topsoil means that further inputs (fertilizer) will need to be introduced to maintain the productivity of the soil, introducing additional economic burdens on producers in the area, and perpetuating the environmental degradation of this area and interrelated areas downstream. If another event occurs, the area can expect to see further impacts in loss of productivity of the soils, and loss of nutrients, which accelerates the environmental degradation downstream. See [DR-4135 Most Impacted](#) data for maps and supporting analysis documentation.

### ***Most Distressed Characteristics***

This sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean Water Act) stream segment within the Maquoketa River watershed. The presence of pollutants was increased through the events that occurred in disaster DR-4135, magnifying existing problems in the watershed, and downstream of this sub county area. This watershed contains part of the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area.

### **Unmet Recovery Needs Threshold**

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

The sub-county area has Unmet Recovery Needs in the form of Environmental Degradation, and is the result of losses of topsoil as a direct result of the eligible disaster event. Because topsoil takes generations to regenerate, the loss of this resource can be considered to be permanent as the needs of continued production outstrip nature's ability to replenish the soil. Utilizing a benchmark value for one potentially beneficial conservation practice program implemented to a limited degree within the state by the Iowa Department of Agriculture and Land Stewardship, it has been estimated that it would cost [\\$7,693,021.33](#) to repair the damage from environmental degradation in this area. For further details on the determination of this estimate, see the [Environmental Distress Data](#) attachments.

### **Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Jones County, Census Tract 701 as a result of DR-4135 that occurred in 2013. The area is within Jones County.

### ***Jones County, Census Tract 701***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from DR-4135.

### ***Methodology***

To determine the most impacted sub-county areas by environmental degradation, the Iowa Homeland Security and Emergency Management Department consulted with experts from the Natural Resources Conservation Service of the United States Department of Agriculture and the Department of Agronomy at Iowa State University to determine the best method of evaluating environmental degradation as it relates to Iowa's land and water. Through this consultation, a methodology was developed to identify the most impacted areas of the state based on the events contributing to the eligible presidentially declared disasters. This methodology can be viewed in [Iowa Environmental Degradation Determination Methodology](#).

### ***Most Impacted Characteristics***

This sub-county area qualifies as impacted under criterion D of Appendix G - Environmental Degradation. The designated sub-county area had excessive soil loss as a result of the impacts of disaster DR-4135. This soil loss resulted in increased sediment delivery to waterways in the immediate vicinity, and further downstream effects. This in turn introduced pollutants into the



## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

stream system, including nitrates and phosphorus, which would otherwise be available as fertilizer, which helps in maintaining and supplementing nutrients in the soil. This adds to the Gulf of Mexico hypoxia problem (dead zone), a national environmental concern. The excessive loss of topsoil during the disaster event period degraded the productive capability of the land, resulting in permanently lower crop yields without the addition of even more nutrients and other costly inputs, which places economic revitalization at risk. The reduced productive capability as a result of the loss of topsoil means that further inputs (fertilizer) will need to be introduced to maintain the productivity of the soil, introducing additional economic burdens on producers in the area, and perpetuating the environmental degradation of this area and interrelated areas downstream. If another event occurs, the area can expect to see further impacts in loss of productivity of the soils, and loss of nutrients, which accelerates the environmental degradation downstream. See [DR-4135 Most Impacted](#) data for maps and supporting analysis documentation.

### ***Most Distressed Characteristics***

This sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean Water Act) stream segment within the Maquoketa River watershed. The presence of pollutants was increased through the events that occurred in disaster DR-4135, magnifying existing problems in the watershed, and downstream of this sub county area. This watershed contains part of the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area.

### **Unmet Recovery Needs Threshold**

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

The sub-county area has Unmet Recovery Needs in the form of Environmental Degradation, and is the result of losses of topsoil as a direct result of the eligible disaster event. Because topsoil takes generations to regenerate, the loss of this resource can be considered to be permanent as the needs of continued production outstrip nature's ability to replenish the soil. Utilizing a benchmark value for one potentially beneficial conservation practice program implemented to a limited degree within the state by the Iowa Department of Agriculture and Land Stewardship, it has been estimated that it would cost [\\$7,701,958.63](#) to repair the damage from environmental degradation in this area. For further details on the determination of this estimate, see the [Environmental Distress Data](#) attachments.

### **Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Jones County, Census Tract 705 as a result of DR-4135 that occurred in 2013. The area is within Jones County.

#### ***Jones County, Census Tract 705***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from DR-4135.

#### ***Methodology***

To determine the most impacted sub-county areas by environmental degradation, the Iowa Homeland Security and Emergency Management Department consulted with experts from the Natural Resources Conservation Service of the United States Department of Agriculture and the Department of Agronomy at Iowa State University to determine the best method of evaluating environmental degradation as it relates to Iowa's land and water. Through this consultation, a methodology was developed to identify the most impacted areas of the state based on the events contributing to the eligible presidentially declared disasters. This methodology can be viewed in [Iowa Environmental Degradation Determination Methodology](#).

#### ***Most Impacted Characteristics***

This sub-county area qualifies as impacted under criterion D of Appendix G - Environmental Degradation. The designated sub-county area had excessive soil loss as a result of the impacts of disaster DR-4135. This soil loss resulted in increased sediment delivery to waterways in the immediate vicinity, and further downstream effects. This in turn introduced pollutants into the

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

stream system, including nitrates and phosphorus, which would otherwise be available as fertilizer, which helps in maintaining and supplementing nutrients in the soil. This adds to the Gulf of Mexico hypoxia problem (dead zone), a national environmental concern. The excessive loss of topsoil during the disaster event period degraded the productive capability of the land, resulting in permanently lower crop yields without the addition of even more nutrients and other costly inputs, which places economic revitalization at risk. The reduced productive capability as a result of the loss of topsoil means that further inputs (fertilizer) will need to be introduced to maintain the productivity of the soil, introducing additional economic burdens on producers in the area, and perpetuating the environmental degradation of this area and interrelated areas downstream. If another event occurs, the area can expect to see further impacts in loss of productivity of the soils, and loss of nutrients, which accelerates the environmental degradation downstream. See [DR-4135 Most Impacted](#) data for maps and supporting analysis documentation.

### ***Most Distressed Characteristics***

This sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean Water Act) stream segment within the Maquoketa River watershed. The presence of pollutants was increased through the events that occurred in disaster DR-4135, magnifying existing problems in the watershed, and downstream of this sub county area. This watershed contains part of the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area.

### **Unmet Recovery Needs Threshold**

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

The sub-county area has Unmet Recovery Needs in the form of Environmental Degradation, and is the result of losses of topsoil as a direct result of the eligible disaster event. Because topsoil takes generations to regenerate, the loss of this resource can be considered to be permanent as the needs of continued production outstrip nature's ability to replenish the soil. Utilizing a benchmark value for one potentially beneficial conservation practice program implemented to a limited degree within the state by the Iowa Department of Agriculture and Land Stewardship, it has been estimated that it would cost [\\$5,234,789.32](#) to repair the damage from environmental degradation in this area. For further details on the determination of this estimate, see the [Environmental Distress Data](#) attachments.



### **Most Impacted and Distressed Threshold**

The target area identified as most impacted and distressed is Winneshiek County, Census Tract 9504 as a result of DR-4135 that occurred in 2013. The area is within Winneshiek County.

#### ***Winneshiek County, Census Tract 9504***

The area exhibits Most Impacted Characteristics and Most Distressed Characteristics, which affect the ability of the area to recover from DR-4135.

#### ***Methodology***

To determine the most impacted sub-county areas by environmental degradation, the Iowa Homeland Security and Emergency Management Department consulted with experts from the Natural Resources Conservation Service of the United States Department of Agriculture and the Department of Agronomy at Iowa State University to determine the best method of evaluating environmental degradation as it relates to Iowa's land and water. Through this consultation, a methodology was developed to identify the most impacted areas of the state based on the events contributing to the eligible presidentially declared disasters. This methodology can be viewed in [Iowa Environmental Degradation Determination Methodology](#).

#### ***Most Impacted Characteristics***

This sub-county area qualifies as impacted under criterion D of Appendix G - Environmental Degradation. The designated sub-county area had excessive soil loss as a result of the impacts of disaster DR-4135. This soil loss resulted in increased sediment delivery to waterways in the immediate vicinity, and further downstream effects. This in turn introduced pollutants into the

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

stream system, including nitrates and phosphorus, which would otherwise be available as fertilizer, which helps in maintaining and supplementing nutrients in the soil. This adds to the Gulf of Mexico hypoxia problem (dead zone), a national environmental concern. The excessive loss of topsoil during the disaster event period degraded the productive capability of the land, resulting in permanently lower crop yields without the addition of even more nutrients and other costly inputs, which places economic revitalization at risk. The reduced productive capability as a result of the loss of topsoil means that further inputs (fertilizer) will need to be introduced to maintain the productivity of the soil, introducing additional economic burdens on producers in the area, and perpetuating the environmental degradation of this area and interrelated areas downstream. If another event occurs, the area can expect to see further impacts in loss of productivity of the soils, and loss of nutrients, which accelerates the environmental degradation downstream. See [DR-4135 Most Impacted](#) data for maps and supporting analysis documentation.

### ***Most Distressed Characteristics***

This sub-county area is an area that has prior documented environmental distress with the presence of a Category 4 or Category 5 Impaired Waters (as defined by section 303 of the Clean Water Act) stream segment within the Mississippi River - Yellow River watershed. The presence of pollutants was increased through the events that occurred in disaster DR-4135, magnifying existing problems in the watershed, and downstream of this sub county area. This watershed contains part of the sub-county area, which indicates that it is negatively affected by and also negatively affects the sub-county area.

### **Unmet Recovery Needs Threshold**

## Exhibit B - Most Impacted and Distressed by Environmental Degradation Sub-County Areas

The sub-county area has Unmet Recovery Needs in the form of Environmental Degradation, and is the result of losses of topsoil as a direct result of the eligible disaster event. Because topsoil takes generations to regenerate, the loss of this resource can be considered to be permanent as the needs of continued production outstrip nature's ability to replenish the soil. Utilizing a benchmark value for one potentially beneficial conservation practice program implemented to a limited degree within the state by the Iowa Department of Agriculture and Land Stewardship, it has been estimated that it would cost [\\$6,872,318.39](#) to repair the damage from environmental degradation in this area. For further details on the determination of this estimate, see the [Environmental Distress Data](#) attachments.

**Exhibit B**

**MID-URN Summary Checklist**

## **MID-URN Summary Checklist Instructions**

Please complete this summary checklist for each target area for grant expenditure in your application and submit it accompanying your most impacted and distressed threshold response narrative. The most impacted and distressed threshold response narrative must be included your application – Exhibit B. This summary checklist is provided to assist Applicants to ensure their responses to this requirement are complete, however, for comprehensive most impacted and distressed and Unmet Recovery Needs (MID-URN) threshold instructions, Applicants must refer to Appendix G to the NDRC NOFA.

**Step 1:** Determine which summary checklist should be used for each target area to be included in the application:

Summary Checklist A – Target area is a county that was previously determined by HUD to be most impacted (see <http://www.HUDUSER.org/CDBGRDR/AppendixA>)

Summary Checklist B - Target Area is a sub-county area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

**Step 2:** For each target area in your application, complete the appropriate checklist, and provide each completed checklist in your most impacted and distressed threshold response accompanying your application’s Exhibit B. Be sure to include the target area name on each checklist.

Summary Checklist A – Each target area must meet at least one Unmet Recovery Need criterion, supported with the corresponding data source and documentation as described in Appendix G.

Summary Checklist B – Each target area must meet:

- At least one most impacted criterion, supported with the corresponding data source and documentation as described in Appendix G; **AND**
- At least one distressed criterion, supported with the corresponding data source and documentation as described in Appendix G; **AND**
- At least one Unmet Recovery Need criterion, supported with the corresponding data source and documentation as described in Appendix G.



**MID-URN SUMMARY CHECKLIST B**

Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

MOST IMPACTED CHARACTERISTICS: considers the damage resulting from the Qualified Disaster		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: City of Dubuque	Criteria	Data Source
<p><b>Housing damage due to eligible disaster:</b></p> <input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b>	<input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b> <input checked="" type="checkbox"/> Local data: <input checked="" type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b> <input type="checkbox"/> HUD agrees with its validity	<p><b>Data Documentation</b></p> <input checked="" type="checkbox"/> Link: <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtRDhCV25VNjhUSnc&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtRDhCV25VNjhUSnc&amp;authuser=0</a>  <input checked="" type="checkbox"/> Page number(s) in application: 3
<p><b>Infrastructure:</b></p> <input type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater	<input type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b> <input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs	<p><b>Data Documentation</b></p> <input type="checkbox"/> Link:  <input type="checkbox"/> Page number(s) in application:
<p><b>Economic Revitalization:</b></p> <input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b> <input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b> <input type="checkbox"/> Other harm to the economy due to the disaster	<input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)	<p><b>Data Documentation</b></p> <input type="checkbox"/> Link:  <input type="checkbox"/> Page number(s) in application:

**MID-URN SUMMARY CHECKLIST B**

Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

<p><b>Environmental Degradation</b></p> <p><input type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input type="checkbox"/> Support with references to any studies supporting the claim of future risk</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
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**MOST DISTRESSED CHARACTERISTICS:** considers stress or deficit factors prior to the Qualified Disaster

- Response must include at least one criterion
- For each criteria category selected, the corresponding data source and data documentation response must be provided

Target Area Name: City of Dubuque

Criteria	Data Source	Data Documentation
<p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input checked="" type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p>	<p><input checked="" type="checkbox"/> CDBG low- and moderate-income summary data</p>	<p><input checked="" type="checkbox"/> Link: <a href="https://drive.google.com/open?id=0B4GkEw8yVGbtOVBFc3NiRU5zblk&amp;authuser=0">https://drive.google.com/open?id=0B4GkEw8yVGbtOVBFc3NiRU5zblk&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 3</p>
<p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p> <p><input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b></p> <p><input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against</p>	<p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

**MID-URN SUMMARY CHECKLIST B**

Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: City of Dubuque		
Criteria	Data Source	Data Documentation
<p><b>Housing:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs</li> </ul>	<p><b>Currently running</b> a CDBG-DR or other recovery housing program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b></li> <li><input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.</li> </ul> <p><b>Not currently</b> running a CDBG-DR or other housing recovery program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b></li> <li><input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b></li> <li><input checked="" type="checkbox"/> A list of 20 addresses of units identified with remaining damage</li> <li><input checked="" type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs</li> </ul>	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Link: <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtTXk0VFhHaHRRYnM&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtTXk0VFhHaHRRYnM&amp;authuser=0</a></li> <li><input checked="" type="checkbox"/> Page number(s) in application: 3</li> </ul>

**MID-URN SUMMARY CHECKLIST B**

Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

MOST IMPACTED CHARACTERISTICS: considers the damage resulting from the Qualified Disaster		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Allamakee Sub-County Area #1	Criteria	Data Source
<p><b>Housing damage due to eligible disaster:</b></p> <input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b>	<input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b>	<input type="checkbox"/> Link:  <input type="checkbox"/> Page number(s) in application:
<input type="checkbox"/> Serious damage to a minimum of 20 homes	<input type="checkbox"/> Local data: <input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b> <input type="checkbox"/> HUD agrees with its validity	<input type="checkbox"/> Page number(s) in application:
<p><b>Infrastructure:</b></p> <input checked="" type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater	<input checked="" type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b> <input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs	<input checked="" type="checkbox"/> Link: <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfk4zv2trSG9TQTNsUXJzVUg0Nk5DZHFMb0I0YXdwX3h5S190alhCZmgxOUk&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfk4zv2trSG9TQTNsUXJzVUg0Nk5DZHFMb0I0YXdwX3h5S190alhCZmgxOUk&amp;authuser=0</a> <input checked="" type="checkbox"/> Page number(s) in application: 8
<p><b>Economic Revitalization:</b></p> <input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b> <input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b> <input type="checkbox"/> Other harm to the economy due to the disaster	<input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)	<input type="checkbox"/> Link:  <input type="checkbox"/> Page number(s) in application:

**MID-URN SUMMARY CHECKLIST B**

Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

<p><b>Environmental Degradation</b></p> <p><input type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input type="checkbox"/> Support with references to any studies supporting the claim of future risk</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
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**MOST DISTRESSED CHARACTERISTICS:** considers stress or deficit factors prior to the Qualified Disaster

- Response must include at least one criterion
- For each criteria category selected, the corresponding data source and data documentation response must be provided

Target Area Name: Allamakee Sub-County Area #1

Criteria	Data Source	Data Documentation
<p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p> <p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p> <p><input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b></p> <p><input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against</p>	<p><input type="checkbox"/> CDBG low- and moderate-income summary data</p> <p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>



**MID-URN SUMMARY CHECKLIST B**

Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster Response must include at least one criterion	
For each criteria category selected, the corresponding data source and data documentation response must be provided	
Target Area Name: Allamakee Sub-County Area #1	
Criteria	Data Source
<p><b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria)</p> <p><input type="checkbox"/> Tribal area</p> <p><input type="checkbox"/> HUD Promise Zone site</p> <p><input type="checkbox"/> HUD Strong Cities Strong Communities site</p> <p><b>AND/OR</b></p> <p><input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate</p>	<p><input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation</p>
<p><b>Disaster impacted an area with prior documented environmental distress:</b></p> <p><input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)</p>	<p><input type="checkbox"/> State-maintained Brownfield site list <b>OR</b></p> <p><input checked="" type="checkbox"/> Other documentation of prior environmental distress</p> <ul style="list-style-type: none"> <li>Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>
<p><b>Housing:</b></p> <p><input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <ul style="list-style-type: none"> <li>Data shows concentrated damage meeting standard, <b>AND</b></li> <li>HUD agrees with validity</li> </ul>
	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
	<p><input checked="" type="checkbox"/> Link:</p> <p><a href="https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYlIsd00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYlIsd00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 9</p>
	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

**MID-URN SUMMARY CHECKLIST B**

Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

UNMET RECOVERY NEED		
<ul style="list-style-type: none"> <li>- Response must include at least one criterion</li> <li>- For each criteria category selected, the corresponding data source and data documentation response must be provided</li> </ul>		
Target Area Name: Allamakee Sub-County Area #1		
Criteria	Data Source	Data Documentation
<p><b>Housing:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs</li> </ul>	<p><b>Currently running</b> a CDBG-DR or other recovery housing program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b></li> <li><input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.</li> </ul> <p><b>Not currently</b> running a CDBG-DR or other housing recovery program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b></li> <li><input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b></li> <li><input type="checkbox"/> A list of 20 addresses of units identified with remaining damage                             <ul style="list-style-type: none"> <li><input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Link:</li> <li><input type="checkbox"/> Page number(s) in application:</li> </ul>

**MID-URN SUMMARY CHECKLIST B**

Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Allamakee Sub-County Area #1	Data Source	Data Documentation
<p><b>Criteria</b></p> <p><b>Infrastructure:</b></p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, in or serving the most impacted and distressed target area(s) <b>AND</b></li> <li><input checked="" type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></li> <li><input checked="" type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</li> </ul>	<p><input checked="" type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</p> <p><b>AND</b></p> <p><input checked="" type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></p> <p><input checked="" type="checkbox"/> Our explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</p>	<p><input checked="" type="checkbox"/> Link: <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfk4zV2trSG9TQTNsUXJzVUg0Nk5DZHFMb0I0YXdwX3h5S190alhCZmgxOUk&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfk4zV2trSG9TQTNsUXJzVUg0Nk5DZHFMb0I0YXdwX3h5S190alhCZmgxOUk&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 9</p>

**MID-URN SUMMARY CHECKLIST B**

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UNMET RECOVERY NEED	
- Response must include at least one criterion	
- For each criteria category selected, the corresponding data source and data documentation response must be provided	
Target Area Name: Allamakee Sub-County Area #1	Criteria
Data Source	Data Documentation
<p><b>Economic Revitalization:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></li> </ul> <p><b>AND demonstrate one of the following:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</li> <li><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></li> <li><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</li> </ul> <p><b>AND</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Unmet repair needs narrative for businesses:                             <ul style="list-style-type: none"> <li><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></li> <li><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></li> <li><input type="checkbox"/> Addresses of businesses with continuing needs</li> </ul> </li> </ul> <p style="text-align: center;"><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Decreased revenues narrative for business(es):                             <ul style="list-style-type: none"> <li><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></li> <li><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></li> <li><input type="checkbox"/> Names and addresses of impacted businesses</li> </ul> </li> </ul>

**MID-URN SUMMARY CHECKLIST B**

Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

UNMET RECOVERY NEED		
<ul style="list-style-type: none"> <li>- Response must include at least one criterion</li> <li>- For each criteria category selected, the corresponding data source and data documentation response must be provided</li> </ul>		
Target Area Name: Allamakee Sub-County Area #1		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></li> <li><input type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></li> <li><input type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Link:</li> <li><input type="checkbox"/> Page number(s) in application:</li> </ul>



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MOST IMPACTED CHARACTERISTICS: considers the damage resulting from the Qualified Disaster		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Benton Sub-County Area #1	Criteria	Data Source
<p><b>Housing damage due to eligible disaster:</b></p> <input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b>	<input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b>	<input type="checkbox"/> Link:  <input type="checkbox"/> Page number(s) in application:
<input type="checkbox"/> Serious damage to a minimum of 20 homes	<input type="checkbox"/> Local data: <input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b> <input type="checkbox"/> HUD agrees with its validity	<input type="checkbox"/> Page number(s) in application:
<p><b>Infrastructure:</b></p> <input checked="" type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater	<input type="checkbox"/> An engineering report <b>OR</b> <input checked="" type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b> <input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs	<input checked="" type="checkbox"/> Link: <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtf1p1WUZLVmtsEFQYkxDZFdVcHJXZWZoW9NNUmREY3YyTkpiQl9XRVRdCRXM&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtf1p1WUZLVmtsEFQYkxDZFdVcHJXZWZoW9NNUmREY3YyTkpiQl9XRVRdCRXM&amp;authuser=0</a> <input checked="" type="checkbox"/> Page number(s) in application: 11
<p><b>Economic Revitalization:</b></p> <input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b> <input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b> <input type="checkbox"/> Other harm to the economy due to the disaster	<input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)	<input type="checkbox"/> Link:  <input type="checkbox"/> Page number(s) in application:

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<p><b>Environmental Degradation</b></p> <p><input type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input type="checkbox"/> Support with references to any studies supporting the claim of future risk</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
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**MOST DISTRESSED CHARACTERISTICS:** considers stress or deficit factors prior to the Qualified Disaster

- Response must include at least one criterion
- For each criteria category selected, the corresponding data source and data documentation response must be provided

Target Area Name: Benton Sub-County Area #1

Criteria	Data Source	Data Documentation
<p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p>	<p><input type="checkbox"/> CDBG low- and moderate-income summary data</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p> <p><input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b></p> <p><input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against</p>	<p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster Response must include at least one criterion	
For each criteria category selected, the corresponding data source and data documentation response must be provided	
Target Area Name: Benton Sub-County Area #1	
Criteria	Data Source
<p><b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria)</p> <p><input type="checkbox"/> Tribal area</p> <p><input type="checkbox"/> HUD Promise Zone site</p> <p><input type="checkbox"/> HUD Strong Cities Strong Communities site</p> <p><b>AND/OR</b></p> <p><input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate</p> <p><b>Disaster impacted an area with prior documented environmental distress:</b></p> <p><input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)</p>	<p><input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation</p> <p><input type="checkbox"/> State-maintained Brownfield site list <b>OR</b></p> <p><input checked="" type="checkbox"/> Other documentation of prior environmental distress</p> <ul style="list-style-type: none"> <li>Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>
<p><b>Housing:</b></p> <p><input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p> <p><input checked="" type="checkbox"/> Link: <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYlIsd00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYlIsd00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 12</p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
<ul style="list-style-type: none"> <li>- Response must include at least one criterion</li> <li>- For each criteria category selected, the corresponding data source and data documentation response must be provided</li> </ul>		
Target Area Name: Benton Sub-County Area #1		
Criteria	Data Source	Data Documentation
<p><b>Housing:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs</li> </ul>	<p><b>Currently running</b> a CDBG-DR or other recovery housing program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b></li> <li><input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.</li> </ul> <p><b>Not currently</b> running a CDBG-DR or other housing recovery program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b></li> <li><input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b></li> <li><input type="checkbox"/> A list of 20 addresses of units identified with remaining damage                             <ul style="list-style-type: none"> <li><input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Link:</li> <li><input type="checkbox"/> Page number(s) in application:</li> </ul>

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UNMET RECOVERY NEED			
- Response must include at least one criterion			
- For each criteria category selected, the corresponding data source and data documentation response must be provided			
Target Area Name: Benton Sub-County Area #1	Criteria	Data Source	Data Documentation
<p><b>Infrastructure:</b></p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, in or serving the most impacted and distressed target area(s) <b>AND</b></li> <li><input checked="" type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></li> <li><input checked="" type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</li> </ul>	<p><input checked="" type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</p> <p><b>AND</b></p> <p><input checked="" type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></p> <p><input checked="" type="checkbox"/> Our explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</p>	<p><input checked="" type="checkbox"/> Link: <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfIpl1WUZLVmtsEFQYkxDZFdVcHJXZWZoW9NUNmREY3YyTkpiQl9XRXdCRXM&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfIpl1WUZLVmtsEFQYkxDZFdVcHJXZWZoW9NUNmREY3YyTkpiQl9XRXdCRXM&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 12</p>	



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UNMET RECOVERY NEED	
- Response must include at least one criterion	
- For each criteria category selected, the corresponding data source and data documentation response must be provided	
Target Area Name: Benton Sub-County Area #1	Criteria
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></p> <p><b>AND demonstrate one of the following:</b></p> <p><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</p> <p><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></p> <p><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</p> <p><b>AND</b></p> <p><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</p>	<p><input type="checkbox"/> Unmet repair needs narrative for businesses:</p> <p><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></p> <p><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></p> <p><input type="checkbox"/> Addresses of businesses with continuing needs</p> <p><b>OR</b></p> <p><input type="checkbox"/> Decreased revenues narrative for business(es):</p> <p><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></p> <p><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></p> <p><input type="checkbox"/> Names and addresses of impacted businesses</p>
	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
<ul style="list-style-type: none"> <li>- Response must include at least one criterion</li> <li>- For each criteria category selected, the corresponding data source and data documentation response must be provided</li> </ul>		
Target Area Name: Benton Sub-County Area #1		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></li> <li><input type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></li> <li><input type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Link:</li> <li><input type="checkbox"/> Page number(s) in application:</li> </ul>

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MOST IMPACTED CHARACTERISTICS: considers the damage resulting from the Qualified Disaster		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Buena Vista Sub-County Area #1	Criteria	Data Source
<p><b>Housing damage due to eligible disaster:</b></p> <input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b>	<input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b>	<input type="checkbox"/> Link:  <input type="checkbox"/> Page number(s) in application:
<input type="checkbox"/> Serious damage to a minimum of 20 homes	<input type="checkbox"/> Local data: <input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b> <input type="checkbox"/> HUD agrees with its validity	<input type="checkbox"/> Page number(s) in application:
<p><b>Infrastructure:</b></p> <input checked="" type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater	<input checked="" type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b> <input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs	<input checked="" type="checkbox"/> Link: <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfnhKRjI4a055ajBKMVbGSzNkeVBRa1FZOTZyUUE4UGlIQ3VlV3Jan0phNnc&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfnhKRjI4a055ajBKMVbGSzNkeVBRa1FZOTZyUUE4UGlIQ3VlV3Jan0phNnc&amp;authuser=0</a> <input checked="" type="checkbox"/> Page number(s) in application: 14
<p><b>Economic Revitalization:</b></p> <input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b> <input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b> <input type="checkbox"/> Other harm to the economy due to the disaster	<input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)	<input type="checkbox"/> Link:  <input type="checkbox"/> Page number(s) in application:

**MID-URN SUMMARY CHECKLIST B**

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<p><b>Environmental Degradation</b></p> <p><input type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input type="checkbox"/> Support with references to any studies supporting the claim of future risk</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
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**MOST DISTRESSED CHARACTERISTICS:** considers stress or deficit factors prior to the Qualified Disaster

- *Response must include at least one criterion*

- *For each criteria category selected, the corresponding data source and data documentation response must be provided*

**Target Area Name:** Buena Vista Sub-County Area #1

Criteria	Data Source	Data Documentation
<p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p> <p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p> <p><input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b></p> <p><input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against</p>	<p><input type="checkbox"/> CDBG low- and moderate-income summary data</p> <p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

**MID-URN SUMMARY CHECKLIST B**

Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster Response must include at least one criterion	
For each criteria category selected, the corresponding data source and data documentation response must be provided	
Target Area Name: Buena Vista Sub-County Area #1	
Criteria	Data Source
<p><b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria)</p> <p><input type="checkbox"/> Tribal area</p> <p><input type="checkbox"/> HUD Promise Zone site</p> <p><input type="checkbox"/> HUD Strong Cities Strong Communities site</p> <p><b>AND/OR</b></p> <p><input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate</p>	<p><input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation</p>
<p><b>Disaster impacted an area with prior documented environmental distress:</b></p> <p><input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)</p>	<p><input type="checkbox"/> State-maintained Brownfield site list <b>OR</b></p> <p><input checked="" type="checkbox"/> Other documentation of prior environmental distress</p> <ul style="list-style-type: none"> <li>Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>
<p><b>Housing:</b></p> <p><input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <ul style="list-style-type: none"> <li>Data shows concentrated damage meeting standard, <b>AND</b></li> <li>HUD agrees with validity</li> </ul>
	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
	<p><input checked="" type="checkbox"/> Link:</p> <p><a href="https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYlIsd00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYlIsd00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 15</p>
	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>



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UNMET RECOVERY NEED	
- Response must include at least one criterion	
- For each criteria category selected, the corresponding data source and data documentation response must be provided	
Target Area Name: Buena Vista Sub-County Area #1	
Criteria	Data Source
<p><b>Housing:</b></p> <p><input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs</p> <p><b>OR</b></p> <p><input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs</p>	<p><b>Currently running</b> a CDBG-DR or other recovery housing program:</p> <p><input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b></p> <p><input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.</p> <p><b>Not currently</b> running a CDBG-DR or other housing recovery program:</p> <p><input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b></p> <p><input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster</p> <p><b>OR</b></p> <p><input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b></p> <p><input type="checkbox"/> A list of 20 addresses of units identified with remaining damage</p> <p><input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs</p>
	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

**MID-URN SUMMARY CHECKLIST B**

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UNMET RECOVERY NEED			
- Response must include at least one criterion			
- For each criteria category selected, the corresponding data source and data documentation response must be provided			
Target Area Name: Buena Vista Sub-County Area #1	Criteria	Data Source	Data Documentation
<p><b>Infrastructure:</b></p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, in or serving the most impacted and distressed target area(s) <b>AND</b></li> <li><input checked="" type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></li> <li><input checked="" type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</li> </ul>	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</li> </ul> <p><b>AND</b></p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></li> <li><input checked="" type="checkbox"/> Our explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</li> </ul>	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Link: <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfnhKRjI4a055ajBKMVBGSzNkeVBRa1FZOTZyUUE4UGlIQ3VIV3JaN0phNnc&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfnhKRjI4a055ajBKMVBGSzNkeVBRa1FZOTZyUUE4UGlIQ3VIV3JaN0phNnc&amp;authuser=0</a></li> <li><input checked="" type="checkbox"/> Page number(s) in application: 15</li> </ul>	

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UNMET RECOVERY NEED	
- Response must include at least one criterion	
- For each criteria category selected, the corresponding data source and data documentation response must be provided	
Target Area Name: Buena Vista Sub-County Area #1	Data Documentation
Criteria	Data Source
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></p> <p><b>AND demonstrate one of the following:</b></p> <p><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</p> <p><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></p> <p><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</p> <p><b>AND</b></p> <p><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</p>	<p><input type="checkbox"/> Unmet repair needs narrative for businesses:</p> <p><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></p> <p><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></p> <p><input type="checkbox"/> Addresses of businesses with continuing needs</p> <p><b>OR</b></p> <p><input type="checkbox"/> Decreased revenues narrative for business(es):</p> <p><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></p> <p><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></p> <p><input type="checkbox"/> Names and addresses of impacted businesses</p>

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UNMET RECOVERY NEED		
<ul style="list-style-type: none"> <li>- Response must include at least one criterion</li> <li>- For each criteria category selected, the corresponding data source and data documentation response must be provided</li> </ul>		
Target Area Name: Buena Vista Sub-County Area #1		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></li> <li><input type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></li> <li><input type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Link:</li> <li><input type="checkbox"/> Page number(s) in application:</li> </ul>

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MOST IMPACTED CHARACTERISTICS: considers the damage resulting from the Qualified Disaster			
- Response must include at least one criterion			
- For each criteria category selected, the corresponding data source and data documentation response must be provided			
Target Area Name: Dubuque Sub-County Area #1	Criteria	Data Source	Data Documentation
<p><b>Housing damage due to eligible disaster:</b></p> <input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b>	<input type="checkbox"/> Serious damage to a minimum of 20 homes	<input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b> <input type="checkbox"/> Local data: <input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b> <input type="checkbox"/> HUD agrees with its validity	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:
<p><b>Infrastructure:</b></p> <input checked="" type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater	<input checked="" type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b> <input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs	<input checked="" type="checkbox"/> Link: <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfm9TbkFxSUhGMnBjNy03c0M1MnpX24zT292dmhHc3VUeDIKVfp5NC1JR3M&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfm9TbkFxSUhGMnBjNy03c0M1MnpX24zT292dmhHc3VUeDIKVfp5NC1JR3M&amp;authuser=0</a> <input checked="" type="checkbox"/> Page number(s) in application: 17	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:
<p><b>Economic Revitalization:</b></p> <input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b> <input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b> <input type="checkbox"/> Other harm to the economy due to the disaster	<input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:



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<p><b>Environmental Degradation</b></p> <p><input type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input type="checkbox"/> Support with references to any studies supporting the claim of future risk</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
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**MOST DISTRESSED CHARACTERISTICS:** considers stress or deficit factors prior to the Qualified Disaster

- Response must include at least one criterion
- For each criteria category selected, the corresponding data source and data documentation response must be provided

Target Area Name: Dubuque Sub-County Area #1

Criteria	Data Source	Data Documentation
<p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p>	<p><input type="checkbox"/> CDBG low- and moderate-income summary data</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p> <p><input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b></p> <p><input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against</p>	<p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster Response must include at least one criterion	
For each criteria category selected, the corresponding data source and data documentation response must be provided	
Target Area Name: Dubuque Sub-County Area #1	
Criteria	Data Source
<p><b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria)</p> <p><input type="checkbox"/> Tribal area</p> <p><input type="checkbox"/> HUD Promise Zone site</p> <p><input type="checkbox"/> HUD Strong Cities Strong Communities site</p> <p><b>AND/OR</b></p> <p><input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate</p>	<p><input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation</p>
<p><b>Disaster impacted an area with prior documented environmental distress:</b></p> <p><input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)</p>	<p><input type="checkbox"/> State-maintained Brownfield site list <b>OR</b></p> <p><input checked="" type="checkbox"/> Other documentation of prior environmental distress</p> <ul style="list-style-type: none"> <li>Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>
<p><b>Housing:</b></p> <p><input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <ul style="list-style-type: none"> <li>Data shows concentrated damage meeting standard, <b>AND</b></li> <li>HUD agrees with validity</li> </ul>
	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
	<p><input checked="" type="checkbox"/> Link:</p> <p><a href="https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYlIsd00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYlIsd00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 18</p>
	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
<ul style="list-style-type: none"> <li>- Response must include at least one criterion</li> <li>- For each criteria category selected, the corresponding data source and data documentation response must be provided</li> </ul>		
Target Area Name: Dubuque Sub-County Area #1		
Criteria	Data Source	Data Documentation
<p><b>Housing:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs</li> </ul>	<p><b>Currently running</b> a CDBG-DR or other recovery housing program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b></li> <li><input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.</li> </ul> <p><b>Not currently</b> running a CDBG-DR or other housing recovery program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b></li> <li><input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b></li> <li><input type="checkbox"/> A list of 20 addresses of units identified with remaining damage                             <ul style="list-style-type: none"> <li><input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Link:</li> <li><input type="checkbox"/> Page number(s) in application:</li> </ul>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Dubuque Sub-County Area #1	Criteria	Data Source
<p><b>Infrastructure:</b></p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, in or serving the most impacted and distressed target area(s) <b>AND</b></li> <li><input checked="" type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></li> <li><input checked="" type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</li> </ul>	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</li> </ul> <p><b>AND</b></p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></li> <li><input checked="" type="checkbox"/> Y our explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</li> </ul>	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Link: <a href="https://drive.google.com/open?id=0B4GkEW8yV Gbtfm9TbkFxSUhGMnBjNy03c0M1MnpX24zT292dmhHc3VUeDIKV Fp5NClJR3M&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yV Gbtfm9TbkFxSUhGMnBjNy03c0M1MnpX24zT292dmhHc3VUeDIKV Fp5NClJR3M&amp;authuser=0</a></li> <li><input checked="" type="checkbox"/> Page number(s) in application: 18</li> </ul>

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UNMET RECOVERY NEED	
- Response must include at least one criterion	
- For each criteria category selected, the corresponding data source and data documentation response must be provided	
Target Area Name: Dubuque Sub-County Area #1	
Criteria	Data Source
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></p> <p><b>AND demonstrate one of the following:</b></p> <p><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</p> <p><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></p> <p><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</p> <p><b>AND</b></p> <p><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</p>	<p><input type="checkbox"/> Unmet repair needs narrative for businesses:</p> <p><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></p> <p><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></p> <p><input type="checkbox"/> Addresses of businesses with continuing needs</p> <p><b>OR</b></p> <p><input type="checkbox"/> Decreased revenues narrative for business(es):</p> <p><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></p> <p><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></p> <p><input type="checkbox"/> Names and addresses of impacted businesses</p>
	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>



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UNMET RECOVERY NEED		
<ul style="list-style-type: none"> <li>- Response must include at least one criterion</li> <li>- For each criteria category selected, the corresponding data source and data documentation response must be provided</li> </ul>		
Target Area Name: Dubuque Sub-County Area #1		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></li> <li><input type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></li> <li><input type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Link:</li> <li><input type="checkbox"/> Page number(s) in application:</li> </ul>

**MID-URN SUMMARY CHECKLIST B**

Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

MOST IMPACTED CHARACTERISTICS: considers the damage resulting from the Qualified Disaster		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Lee Sub-County Area #1	Criteria	Data Source
<p><b>Housing damage due to eligible disaster:</b></p> <input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b>	<input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b>	<input type="checkbox"/> Link:  <input type="checkbox"/> Page number(s) in application:
<input type="checkbox"/> Serious damage to a minimum of 20 homes	<input type="checkbox"/> Local data: <input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b> <input type="checkbox"/> HUD agrees with its validity	<input type="checkbox"/> Page number(s) in application:
<p><b>Infrastructure:</b></p> <input checked="" type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater	<input type="checkbox"/> An engineering report <b>OR</b> <input checked="" type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b> <input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs	<input checked="" type="checkbox"/> Link: <a href="https://drive.google.com/open?id=0B4GkEW8yV GbtfkpNM1VqMFB1cmxHQ1RxoWNFdmZsLWhsblNIVXhjZnpHZHR3cGhkNWI0eDg&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yV GbtfkpNM1VqMFB1cmxHQ1RxoWNFdmZsLWhsblNIVXhjZnpHZHR3cGhkNWI0eDg&amp;authuser=0</a> <input checked="" type="checkbox"/> Page number(s) in application: 20
<p><b>Economic Revitalization:</b></p> <input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b> <input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b> <input type="checkbox"/> Other harm to the economy due to the disaster	<input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)	<input type="checkbox"/> Link:  <input type="checkbox"/> Page number(s) in application:

**MID-URN SUMMARY CHECKLIST B**

Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

<p><b>Environmental Degradation</b></p> <p><input type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input type="checkbox"/> Support with references to any studies supporting the claim of future risk</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors prior to the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p>Target Area Name: Lee Sub-County Area #1</p>		
<p><b>Criteria</b></p>	<p><b>Data Source</b></p>	<p><b>Data Documentation</b></p>
<p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p> <p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p> <p><input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b></p> <p><input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against</p>	<p><input type="checkbox"/> CDBG low- and moderate-income summary data</p> <p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

**MID-URN SUMMARY CHECKLIST B**

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MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster Response must include at least one criterion	
For each criteria category selected, the corresponding data source and data documentation response must be provided	
Target Area Name: Lee Sub-County Area #1	
Criteria	Data Source
<p><b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria)</p> <p><input type="checkbox"/> Tribal area</p> <p><input type="checkbox"/> HUD Promise Zone site</p> <p><input type="checkbox"/> HUD Strong Cities Strong Communities site</p> <p><b>AND/OR</b></p> <p><input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate</p>	<p><input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation</p>
<p><b>Disaster impacted an area with prior documented environmental distress:</b></p> <p><input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)</p>	<p><input type="checkbox"/> State-maintained Brownfield site list <b>OR</b></p> <p><input checked="" type="checkbox"/> Other documentation of prior environmental distress</p> <ul style="list-style-type: none"> <li>Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>
<p><b>Housing:</b></p> <p><input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <ul style="list-style-type: none"> <li>Data shows concentrated damage meeting standard, <b>AND</b></li> <li>HUD agrees with validity</li> </ul>
	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
	<p><input checked="" type="checkbox"/> Link:</p> <p><a href="https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYlIsd00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYlIsd00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 21</p>
	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
<ul style="list-style-type: none"> <li>- Response must include at least one criterion</li> <li>- For each criteria category selected, the corresponding data source and data documentation response must be provided</li> </ul>		
Target Area Name: Lee Sub-County Area #1		
Criteria	Data Source	Data Documentation
<p><b>Housing:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs</li> </ul>	<p><b>Currently running</b> a CDBG-DR or other recovery housing program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b></li> <li><input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.</li> </ul> <p><b>Not currently</b> running a CDBG-DR or other housing recovery program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b></li> <li><input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b></li> <li><input type="checkbox"/> A list of 20 addresses of units identified with remaining damage                             <ul style="list-style-type: none"> <li><input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Link:</li> <li><input type="checkbox"/> Page number(s) in application:</li> </ul>



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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Lee Sub-County Area #1	Criteria	Data Source
<p><b>Infrastructure:</b></p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, or serving the most impacted and distressed target area(s) <b>AND</b></li> <li><input checked="" type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></li> <li><input checked="" type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</li> </ul>	<p><input checked="" type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</p> <p><b>AND</b></p> <p><input checked="" type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></p> <p><input checked="" type="checkbox"/> Your explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</p>	<p><input checked="" type="checkbox"/> Link: <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfkpNM1VqMFB1cmxHQ1RxOWNFdmZsLWhsbINIVXhJZnpHZHR3cGhkNW10eDg&amp;authu set=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfkpNM1VqMFB1cmxHQ1RxOWNFdmZsLWhsbINIVXhJZnpHZHR3cGhkNW10eDg&amp;authu set=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 21</p>

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UNMET RECOVERY NEED	
- Response must include at least one criterion	
- For each criteria category selected, the corresponding data source and data documentation response must be provided	
Target Area Name: Lee Sub-County Area #1	
Criteria	Data Source
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></p> <p><b>AND demonstrate one of the following:</b></p> <p><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</p> <p><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></p> <p><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</p> <p><b>AND</b></p> <p><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</p>	<p><input type="checkbox"/> Unmet repair needs narrative for businesses:</p> <p><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></p> <p><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></p> <p><input type="checkbox"/> Addresses of businesses with continuing needs</p> <p><b>OR</b></p> <p><input type="checkbox"/> Decreased revenues narrative for business(es):</p> <p><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></p> <p><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></p> <p><input type="checkbox"/> Names and addresses of impacted businesses</p>
	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
<ul style="list-style-type: none"> <li>- Response must include at least one criterion</li> <li>- For each criteria category selected, the corresponding data source and data documentation response must be provided</li> </ul>		
Target Area Name: Lee Sub-County Area #1		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></li> <li><input type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></li> <li><input type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Link:</li> <li><input type="checkbox"/> Page number(s) in application:</li> </ul>

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MOST IMPACTED CHARACTERISTICS: considers the damage resulting from the Qualified Disaster		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Lyon Sub-County Area #1	Criteria	Data Source
<p><b>Housing damage due to eligible disaster:</b></p> <input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b>	<input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b>	<input type="checkbox"/> Link:  <input type="checkbox"/> Page number(s) in application:
<input type="checkbox"/> Serious damage to a minimum of 20 homes	<input type="checkbox"/> Local data: <input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b> <input type="checkbox"/> HUD agrees with its validity	<input type="checkbox"/> Page number(s) in application:
<p><b>Infrastructure:</b></p> <input checked="" type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater	<input type="checkbox"/> An engineering report <b>OR</b> <input checked="" type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b> <input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs	<input checked="" type="checkbox"/> Link: <a href="https://drive.google.com/open?id=0B4GkEW8yV Gbtfk5PWUFyNEc0SkthRj dVSIFIMnBaaUZHUkdJY3 AtUm9LTmtmNzFtaXEybh c&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yV Gbtfk5PWUFyNEc0SkthRj dVSIFIMnBaaUZHUkdJY3 AtUm9LTmtmNzFtaXEybh c&amp;authuser=0</a> <input checked="" type="checkbox"/> Page number(s) in application: 23
<p><b>Economic Revitalization:</b></p> <input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b>	<input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)	<input type="checkbox"/> Link:  <input type="checkbox"/> Page number(s) in application:
<input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b>	<input type="checkbox"/> Local data: <input type="checkbox"/> HUD agrees with its validity	<input type="checkbox"/> Page number(s) in application:
<input type="checkbox"/> Other harm to the economy due to the disaster	<input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs	<input type="checkbox"/> Page number(s) in application:

**MID-URN SUMMARY CHECKLIST B**

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<p><b>Environmental Degradation</b></p> <p><input type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input type="checkbox"/> Support with references to any studies supporting the claim of future risk</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
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**MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster**

- *Response must include at least one criterion*

- *For each criteria category selected, the corresponding data source and data documentation response must be provided*

**Target Area Name:** Lyon Sub-County Area #1

Criteria	Data Source	Data Documentation
<p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p>	<p><input type="checkbox"/> CDBG low- and moderate-income summary data</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p> <p><input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b></p> <p><input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against</p>	<p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>



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MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster Response must include at least one criterion	
For each criteria category selected, the corresponding data source and data documentation response must be provided	
Target Area Name: Lyon Sub-County Area #1	
Criteria	Data Source
<p><b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria)</p> <p><input type="checkbox"/> Tribal area</p> <p><input type="checkbox"/> HUD Promise Zone site</p> <p><input type="checkbox"/> HUD Strong Cities Strong Communities site</p> <p><b>AND/OR</b></p> <p><input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate</p>	<p><input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation</p>
<p><b>Disaster impacted an area with prior documented environmental distress:</b></p> <p><input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)</p>	<p><input type="checkbox"/> State-maintained Brownfield site list <b>OR</b></p> <p><input checked="" type="checkbox"/> Other documentation of prior environmental distress</p> <ul style="list-style-type: none"> <li>Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>
<p><b>Housing:</b></p> <p><input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <ul style="list-style-type: none"> <li>Data shows concentrated damage meeting standard, <b>AND</b></li> <li>HUD agrees with validity</li> </ul>
	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
	<p><input checked="" type="checkbox"/> Link:</p> <p><a href="https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUkIQcl9PbU9NYlIsd00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUkIQcl9PbU9NYlIsd00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 24</p>
	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

**MID-URN SUMMARY CHECKLIST B**

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UNMET RECOVERY NEED		
<ul style="list-style-type: none"> <li>- Response must include at least one criterion</li> <li>- For each criteria category selected, the corresponding data source and data documentation response must be provided</li> </ul>		
Target Area Name: Lyon Sub-County Area #1		
Criteria	Data Source	Data Documentation
<p><b>Housing:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs</li> </ul>	<p><b>Currently running</b> a CDBG-DR or other recovery housing program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b></li> <li><input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.</li> </ul> <p><b>Not currently</b> running a CDBG-DR or other housing recovery program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b></li> <li><input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b></li> <li><input type="checkbox"/> A list of 20 addresses of units identified with remaining damage                             <ul style="list-style-type: none"> <li><input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Link:</li> <li><input type="checkbox"/> Page number(s) in application:</li> </ul>

**MID-URN SUMMARY CHECKLIST B**

Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Lyon Sub-County Area #1		
Criteria	Data Source	
Data Documentation		
<p><b>Infrastructure:</b></p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, in or serving the most impacted and distressed target area(s) <b>AND</b></li> <li><input checked="" type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></li> <li><input checked="" type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</li> </ul>	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</li> </ul> <p><b>AND</b></p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></li> <li><input checked="" type="checkbox"/> Our explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</li> </ul>	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Link: <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfk5PWUFyNEc0SkthRjdVSIIFIMnBaaUZHUJkdJY3AtUm9LTmtnNzFtaXEybHc&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfk5PWUFyNEc0SkthRjdVSIIFIMnBaaUZHUJkdJY3AtUm9LTmtnNzFtaXEybHc&amp;authuser=0</a></li> <li><input checked="" type="checkbox"/> Page number(s) in application: 24</li> </ul>

**MID-URN SUMMARY CHECKLIST B**

Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

UNMET RECOVERY NEED	
- Response must include at least one criterion	
- For each criteria category selected, the corresponding data source and data documentation response must be provided	
Target Area Name: Lyon Sub-County Area #1	
Criteria	Data Source
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></p> <p><b>AND demonstrate one of the following:</b></p> <p><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</p> <p><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></p> <p><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</p> <p><b>AND</b></p> <p><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</p>	<p><input type="checkbox"/> Unmet repair needs narrative for businesses:</p> <p><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></p> <p><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></p> <p><input type="checkbox"/> Addresses of businesses with continuing needs</p> <p><b>OR</b></p> <p><input type="checkbox"/> Decreased revenues narrative for business(es):</p> <p><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></p> <p><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></p> <p><input type="checkbox"/> Names and addresses of impacted businesses</p>
	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

**MID-URN SUMMARY CHECKLIST B**

Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

UNMET RECOVERY NEED		
<ul style="list-style-type: none"> <li>- Response must include at least one criterion</li> <li>- For each criteria category selected, the corresponding data source and data documentation response must be provided</li> </ul>		
Target Area Name: Lyon Sub-County Area #1		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></li> <li><input type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></li> <li><input type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Link:</li> <li><input type="checkbox"/> Page number(s) in application:</li> </ul>



## MID-URN SUMMARY CHECKLIST B

Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

MOST IMPACTED CHARACTERISTICS: considers the damage resulting from the Qualified Disaster		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Pottawattamie Sub-County Area #1	Criteria	Data Source
<p><b>Housing damage due to eligible disaster:</b></p> <input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b>	<input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b>	<input type="checkbox"/> Link:  <input type="checkbox"/> Page number(s) in application:
<input type="checkbox"/> Serious damage to a minimum of 20 homes	<input type="checkbox"/> Local data: <input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b> <input type="checkbox"/> HUD agrees with its validity	<input type="checkbox"/> Page number(s) in application:
<p><b>Infrastructure:</b></p> <input checked="" type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater	<input type="checkbox"/> An engineering report <b>OR</b> <input checked="" type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b> <input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs	<input checked="" type="checkbox"/> Link: <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfmpYalg2Qk5xSmc3bF6OTZ1cmhKdWxocjV3aW8&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfmpYalg2Qk5xSmc3bF6OTZ1cmhKdWxocjV3aW8&amp;authuser=0</a> <input checked="" type="checkbox"/> Page number(s) in application: 26
<p><b>Economic Revitalization:</b></p> <input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b> <input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b> <input type="checkbox"/> Other harm to the economy due to the disaster	<input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)	<input type="checkbox"/> Link:  <input type="checkbox"/> Page number(s) in application:

**MID-URN SUMMARY CHECKLIST B**

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<p><b>Environmental Degradation</b></p> <p><input type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input type="checkbox"/> Support with references to any studies supporting the claim of future risk</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
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**MOST DISTRESSED CHARACTERISTICS:** considers stress or deficit factors prior to the Qualified Disaster

- Response must include at least one criterion
- For each criteria category selected, the corresponding data source and data documentation response must be provided

Target Area Name: Pottawattamie Sub-County Area #1

Criteria	Data Source	Data Documentation
<p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p>	<p><input type="checkbox"/> CDBG low- and moderate-income summary data</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p> <p><input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b></p> <p><input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against</p>	<p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

**MID-URN SUMMARY CHECKLIST B**

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MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster Response must include at least one criterion		
For each criteria category selected, the corresponding data source and data documentation response must be provided		
Criteria	Data Source	Data Documentation
<p><b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria)</p> <p><input type="checkbox"/> Tribal area</p> <p><input type="checkbox"/> HUD Promise Zone site</p> <p><input type="checkbox"/> HUD Strong Cities Strong Communities site</p> <p><b>AND/OR</b></p> <p><input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate</p>	<p><input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Disaster impacted an area with prior documented environmental distress:</b></p> <p><input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)</p>	<p><input type="checkbox"/> State-maintained Brownfield site list <b>OR</b></p> <p><input checked="" type="checkbox"/> Other documentation of prior environmental distress</p> <ul style="list-style-type: none"> <li>Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>	<p><input checked="" type="checkbox"/> Link: <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYlIsd00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYlIsd00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 27</p>
<p><b>Housing:</b></p> <p><input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <p><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></p> <p><input type="checkbox"/> HUD agrees with validity</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED	
- Response must include at least one criterion	
- For each criteria category selected, the corresponding data source and data documentation response must be provided	
Target Area Name: Pottawattamie Sub-County Area #1	
Criteria	Data Source
<p><b>Housing:</b></p> <p><input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs</p> <p><b>OR</b></p> <p><input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs</p>	<p><b>Currently running</b> a CDBG-DR or other recovery housing program:</p> <p><input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b></p> <p><input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.</p> <p><b>Not currently</b> running a CDBG-DR or other housing recovery program:</p> <p><input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b></p> <p><input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster</p> <p><b>OR</b></p> <p><input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b></p> <p><input type="checkbox"/> A list of 20 addresses of units identified with remaining damage</p> <p><input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs</p>
	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Pottawattamie Sub-County Area #1		
Criteria	Data Source	Data Documentation
<p><b>Infrastructure:</b></p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, in or serving the most impacted and distressed target area(s) <b>AND</b></li> <li><input checked="" type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></li> <li><input checked="" type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</li> </ul>	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</li> </ul> <p><b>AND</b></p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></li> <li><input checked="" type="checkbox"/> Our explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</li> </ul>	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Link: <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfmpYalg2Qk5xSmc3bFFCZUtxOE9JSFRtTjRaaEd6OTZ1cmhKdWxocjV3aW8&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfmpYalg2Qk5xSmc3bFFCZUtxOE9JSFRtTjRaaEd6OTZ1cmhKdWxocjV3aW8&amp;authuser=0</a></li> <li><input checked="" type="checkbox"/> Page number(s) in application: 27</li> </ul>



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UNMET RECOVERY NEED	
- Response must include at least one criterion	
- For each criteria category selected, the corresponding data source and data documentation response must be provided	
Target Area Name: Pottawattamie Sub-County Area #1	
Criteria	Data Source
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></p> <p><b>AND demonstrate one of the following:</b></p> <p><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</p> <p><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></p> <p><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</p> <p><b>AND</b></p> <p><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</p>	<p><input type="checkbox"/> Unmet repair needs narrative for businesses:</p> <p><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></p> <p><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></p> <p><input type="checkbox"/> Addresses of businesses with continuing needs</p> <p><b>OR</b></p> <p><input type="checkbox"/> Decreased revenues narrative for business(es):</p> <p><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></p> <p><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></p> <p><input type="checkbox"/> Names and addresses of impacted businesses</p>
	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
<ul style="list-style-type: none"> <li>- Response must include at least one criterion</li> <li>- For each criteria category selected, the corresponding data source and data documentation response must be provided</li> </ul>		
Target Area Name: Pottawattamie Sub-County Area #1		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></li> <li><input type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></li> <li><input type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Link:</li> <li><input type="checkbox"/> Page number(s) in application:</li> </ul>

## MID-URN SUMMARY CHECKLIST B

Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

MOST IMPACTED CHARACTERISTICS: considers the damage resulting from the Qualified Disaster		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Tama Sub-County Area #1	Criteria	Data Source
<p><b>Housing damage due to eligible disaster:</b></p> <input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b>	<input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b>	<input type="checkbox"/> Link:  <input type="checkbox"/> Page number(s) in application:
<input type="checkbox"/> Serious damage to a minimum of 20 homes	<input type="checkbox"/> Local data: <input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b> <input type="checkbox"/> HUD agrees with its validity	<input type="checkbox"/> Page number(s) in application:
<p><b>Infrastructure:</b></p> <input checked="" type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater	<input type="checkbox"/> An engineering report <b>OR</b> <input checked="" type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b> <input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs	<input checked="" type="checkbox"/> Link: <a href="https://drive.google.com/open?id=0B4GkEW8yV GbtfwV0dLQkdERjJNTkx5VHIKYUZhSmtGandYN0dhaSITeDVmV3JMTUpqVDg&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yV GbtfwV0dLQkdERjJNTkx5VHIKYUZhSmtGandYN0dhaSITeDVmV3JMTUpqVDg&amp;authuser=0</a> <input checked="" type="checkbox"/> Page number(s) in application: 29
<p><b>Economic Revitalization:</b></p> <input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b> <input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b> <input type="checkbox"/> Other harm to the economy due to the disaster	<input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)	<input type="checkbox"/> Link:  <input type="checkbox"/> Page number(s) in application:

**MID-URN SUMMARY CHECKLIST B**

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<p><b>Environmental Degradation</b></p> <p><input type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input type="checkbox"/> Support with references to any studies supporting the claim of future risk</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
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**MOST DISTRESSED CHARACTERISTICS:** considers stress or deficit factors prior to the Qualified Disaster

- Response must include at least one criterion

- For each criteria category selected, the corresponding data source and data documentation response must be provided

Target Area Name: Tama Sub-County Area #1

Criteria	Data Source	Data Documentation
<p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p>	<p><input type="checkbox"/> CDBG low- and moderate-income summary data</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p> <p><input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b></p> <p><input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against</p>	<p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

**MID-URN SUMMARY CHECKLIST B**

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MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster Response must include at least one criterion	
For each criteria category selected, the corresponding data source and data documentation response must be provided	
Target Area Name: Tama Sub-County Area #1	
Criteria	Data Source
<p><b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria)</p> <p><input type="checkbox"/> Tribal area</p> <p><input type="checkbox"/> HUD Promise Zone site</p> <p><input type="checkbox"/> HUD Strong Cities Strong Communities site</p> <p><b>AND/OR</b></p> <p><input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate</p>	<p><input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation</p>
<p><b>Disaster impacted an area with prior documented environmental distress:</b></p> <p><input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)</p>	<p><input type="checkbox"/> State-maintained Brownfield site list <b>OR</b></p> <p><input checked="" type="checkbox"/> Other documentation of prior environmental distress</p> <ul style="list-style-type: none"> <li>Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>
<p><b>Housing:</b></p> <p><input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <ul style="list-style-type: none"> <li>Data shows concentrated damage meeting standard, <b>AND</b></li> <li>HUD agrees with validity</li> </ul>
	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
	<p><input checked="" type="checkbox"/> Link:</p> <p><a href="https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYlIsd00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYlIsd00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 30</p>
	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>



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UNMET RECOVERY NEED	
<ul style="list-style-type: none"> <li>- Response must include at least one criterion</li> <li>- For each criteria category selected, the corresponding data source and data documentation response must be provided</li> </ul>	
Target Area Name: Tama Sub-County Area #1	
Criteria	Data Source
<p><b>Housing:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs</li> </ul>	<p><b>Currently running</b> a CDBG-DR or other recovery housing program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b></li> <li><input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.</li> </ul> <p><b>Not currently</b> running a CDBG-DR or other housing recovery program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b></li> <li><input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b></li> <li><input type="checkbox"/> A list of 20 addresses of units identified with remaining damage                             <ul style="list-style-type: none"> <li><input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs</li> </ul> </li> </ul>
	Data Documentation
	<ul style="list-style-type: none"> <li><input type="checkbox"/> Link:</li> <li><input type="checkbox"/> Page number(s) in application:</li> </ul>

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UNMET RECOVERY NEED		
<ul style="list-style-type: none"> <li>- Response must include at least one criterion</li> <li>- For each criteria category selected, the corresponding data source and data documentation response must be provided</li> </ul>		
Target Area Name: Tama Sub-County Area #1		
Criteria	Data Source	Data Documentation
<p><b>Infrastructure:</b></p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, in or serving the most impacted and distressed target area(s) <b>AND</b></li> <li><input checked="" type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></li> <li><input checked="" type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</li> </ul>	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</li> </ul> <p><b>AND</b></p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></li> <li><input checked="" type="checkbox"/> Our explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</li> </ul>	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Link: <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfnFwV0dLQkdERjJNTkx5VHIKYUZhSm tGandYN0dhaS1TeDVmY3JMTUpqVDg&amp;authuser=r=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfnFwV0dLQkdERjJNTkx5VHIKYUZhSm tGandYN0dhaS1TeDVmY3JMTUpqVDg&amp;authuser=r=0</a></li> <li><input checked="" type="checkbox"/> Page number(s) in application: 30</li> </ul>

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UNMET RECOVERY NEED	
- Response must include at least one criterion	
- For each criteria category selected, the corresponding data source and data documentation response must be provided	
Target Area Name: Tama Sub-County Area #1	
Criteria	Data Source
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></p> <p><b>AND demonstrate one of the following:</b></p> <p><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</p> <p><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></p> <p><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</p> <p><b>AND</b></p> <p><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</p>	<p><input type="checkbox"/> Unmet repair needs narrative for businesses:</p> <p><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></p> <p><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></p> <p><input type="checkbox"/> Addresses of businesses with continuing needs</p> <p><b>OR</b></p> <p><input type="checkbox"/> Decreased revenues narrative for business(es):</p> <p><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></p> <p><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></p> <p><input type="checkbox"/> Names and addresses of impacted businesses</p>
	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
<ul style="list-style-type: none"> <li>- Response must include at least one criterion</li> <li>- For each criteria category selected, the corresponding data source and data documentation response must be provided</li> </ul>		
Target Area Name: Tama Sub-County Area #1		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></li> <li><input type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></li> <li><input type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Link:</li> <li><input type="checkbox"/> Page number(s) in application:</li> </ul>

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<p><b>MOST IMPACTED CHARACTERISTICS:</b> considers the damage resulting from the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Cherokee County, Census Tract 803</b></p>		
Criteria	Data Source	Data Documentation
<p><b>Housing damage due to eligible disaster:</b></p> <p><input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b></p> <p><input type="checkbox"/> Serious damage to a minimum of 20 homes</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <p><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></p> <p><input type="checkbox"/> HUD agrees with its validity</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater</p>	<p><input type="checkbox"/> An engineering report <b>OR</b></p> <p><input type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b></p> <p><input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b></p> <p><input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b></p> <p><input type="checkbox"/> Other harm to the economy due to the disaster</p>	<p><input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>



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<p><b>Environmental Degradation</b></p> <p><input checked="" type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input checked="" type="checkbox"/> Support with references to any studies supporting the claim of future risk</p> <ul style="list-style-type: none"> <li>• Iowa State University Iowa Learning Farms</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfkNHbGdwdE9sYWNBbWUITmgyX0J1MDY4dHICQ3htQmMzak9TVkNoYjc5aDg&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfkNHbGdwdE9sYWNBbWUITmgyX0J1MDY4dHICQ3htQmMzak9TVkNoYjc5aDg&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 32</p>
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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors prior to the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Cherokee County, Census Tract 803</b></p>		
<p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p>	<p><b>Data Source</b></p> <p><input type="checkbox"/> CDBG low- and moderate-income summary data</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p> <p><input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b></p>	<p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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<b>MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster</b>		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
<b>Target Area Name: Cherokee County, Census Tract 803</b>		
Criteria	Data Source	Data Documentation
<input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against <b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria) <input type="checkbox"/> Tribal area <input type="checkbox"/> HUD Promise Zone site <input type="checkbox"/> HUD Strong Cities Strong Communities site <b>AND/OR</b> <input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate	<input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:
<b>Disaster impacted an area with prior documented environmental distress:</b> <input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)	<input type="checkbox"/> State-maintained Brownfield site list <b>OR</b> <input checked="" type="checkbox"/> Other documentation of prior environmental distress <ul style="list-style-type: none"> <li>• Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>	<input checked="" type="checkbox"/> Link: <a href="https://drive.google.com/open?id=0B4GkEW8yVGbffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYllsd00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYllsd00&amp;authuser=0</a> <input checked="" type="checkbox"/> Page number(s) in application: 32
<b>Housing:</b>	<input type="checkbox"/> Appendix C list of disasters with concentrations of housing	<input type="checkbox"/> Link:

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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors <i>prior</i> to the Qualified Disaster</p> <ul style="list-style-type: none"> <li>- <i>Response must include at least one criterion</i></li> <li>- <i>For each criteria category selected, the corresponding data source and data documentation response must be provided</i></li> </ul> <p><b>Target Area Name: Cherokee County, Census Tract 803</b></p>		
<b>Criteria</b>	<b>Data Source</b>	<b>Data Documentation</b>
<input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there	damage meeting this requirement <b>OR</b> <input type="checkbox"/> Local data: <input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b> <input type="checkbox"/> HUD agrees with validity	<input type="checkbox"/> Page number(s) in application:

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Cherokee County, Census Tract 803		
Criteria	Data Source	Data Documentation
<p><b>Housing:</b></p> <p><input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs</p> <p><b>OR</b></p> <p><input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs</p>	<p><b>Currently running</b> a CDBG-DR or other recovery housing program:</p> <p><input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b></p> <p><input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.</p> <p><b>Not currently running</b> a CDBG-DR or other housing recovery program:</p> <p><input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b></p> <p><input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster</p> <p><b>OR</b></p> <p><input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b></p> <p><input type="checkbox"/> A list of 20 addresses of units identified with remaining damage</p> <p><input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Cherokee County, Census Tract 803		
Criteria	Data Source	Data Documentation
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, in or serving the most impacted and distressed target area(s) <b>AND</b></p> <p><input type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></p> <p><input type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</p>	<p><input type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</p> <p><b>AND</b></p> <p><input type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></p> <p><input type="checkbox"/> Your explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>



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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Cherokee County, Census Tract 803		
Criteria	Data Source	Data Documentation
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></p> <p><b>AND demonstrate one of the following:</b></p> <p><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</p> <p><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></p> <p><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</p> <p><b>AND</b></p> <p><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</p>	<p><input type="checkbox"/> Unmet repair needs narrative for businesses:</p> <p><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></p> <p><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></p> <p><input type="checkbox"/> Addresses of businesses with continuing needs</p> <p><b>OR</b></p> <p><input type="checkbox"/> <i>Decreased revenues narrative for business(es):</i></p> <p><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></p> <p><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></p> <p><input type="checkbox"/> Names and addresses of impacted businesses</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

**MID-URN SUMMARY CHECKLIST B**

Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Cherokee County, Census Tract 803		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <p><input checked="" type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</p>	<p><input checked="" type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</p> <ul style="list-style-type: none"> <li>• Iowa State University’s Daily Soil Erosion Project</li> <li>• Iowa Department of Agriculture and Land Stewardship 2015 Iowa Water Quality Initiative Legislative Report (Program Oversubscription)</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauDdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVAA0QWgzSHc&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauDdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVAA0QWgzSHc&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfM3psYXI4SV91N00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfM3psYXI4SV91N00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 33</p>

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<p><b>MOST IMPACTED CHARACTERISTICS:</b> considers the damage resulting from the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Cherokee County, Census Tract 804</b></p>		
Criteria	Data Source	Data Documentation
<p><b>Housing damage due to eligible disaster:</b></p> <p><input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b></p> <p><input type="checkbox"/> Serious damage to a minimum of 20 homes</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <p><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></p> <p><input type="checkbox"/> HUD agrees with its validity</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater</p>	<p><input type="checkbox"/> An engineering report <b>OR</b></p> <p><input type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b></p> <p><input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b></p> <p><input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b></p> <p><input type="checkbox"/> Other harm to the economy due to the disaster</p>	<p><input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

**MID-URN SUMMARY CHECKLIST B**

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<p><b>Environmental Degradation</b></p> <p><input checked="" type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input checked="" type="checkbox"/> Support with references to any studies supporting the claim of future risk</p> <ul style="list-style-type: none"> <li>Iowa State University Iowa Learning Farms</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfkNHbGdwdE9sYWNBbWU1TmgyX0JlMDY4dHlCQ3htQmMzak9TVkNoYjc5aDg&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfkNHbGdwdE9sYWNBbWU1TmgyX0JlMDY4dHlCQ3htQmMzak9TVkNoYjc5aDg&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 35</p>
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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors prior to the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Cherokee County, Census Tract 804</b></p>		
<p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p>	<p><b>Data Source</b></p> <p><input type="checkbox"/> CDBG low- and moderate-income summary data</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p> <p><input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b></p>	<p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster		
<p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
Target Area Name: Cherokee County, Census Tract 804		
Criteria	Data Source	Data Documentation
<input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against <b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria) <input type="checkbox"/> Tribal area <input type="checkbox"/> HUD Promise Zone site <input type="checkbox"/> HUD Strong Cities Strong Communities site <b>AND/OR</b> <input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate	<input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:
<b>Disaster impacted an area with prior documented environmental distress:</b> <input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)	<input type="checkbox"/> State-maintained Brownfield site list <input checked="" type="checkbox"/> Other documentation of prior environmental distress <ul style="list-style-type: none"> <li>• Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>	<input checked="" type="checkbox"/> Link: <a href="https://drive.google.com/open?id=0B4GkEW8yVGbffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYllsd00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYllsd00&amp;authuser=0</a> <input checked="" type="checkbox"/> Page number(s) in application: 35
<b>Housing:</b>	<input type="checkbox"/> Appendix C list of disasters with concentrations of housing	<input type="checkbox"/> Link:



**MID-URN SUMMARY CHECKLIST B**

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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors <i>prior</i> to the Qualified Disaster</p> <ul style="list-style-type: none"> <li>- <i>Response must include at least one criterion</i></li> <li>- <i>For each criteria category selected, the corresponding data source and data documentation response must be provided</i></li> </ul> <p><b>Target Area Name: Cherokee County, Census Tract 804</b></p>		
<b>Criteria</b>	<b>Data Source</b>	<b>Data Documentation</b>
<input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there	damage meeting this requirement <b>OR</b> <input type="checkbox"/> Local data: <input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b> <input type="checkbox"/> HUD agrees with validity	<input type="checkbox"/> Page number(s) in application:

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Cherokee County, Census Tract 804		
Criteria	Data Source	Data Documentation
<p><b>Housing:</b></p> <input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs	<p><b>Data Source</b></p> <p><u>Currently running</u> a CDBG-DR or other recovery housing program:</p> <input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b>	<p><b>Data Documentation</b></p> <input type="checkbox"/> Link:
<p><b>OR</b></p> <input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs		
	<p><u>Not currently running</u> a CDBG-DR or other housing recovery program:</p> <input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b>	
	<input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster	
	<b>OR</b>	
	<input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b>	
	<input type="checkbox"/> A list of 20 addresses of units identified with remaining damage	
	<input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs	

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Cherokee County, Census Tract 804		
Criteria	Data Source	Data Documentation
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, in or serving the most impacted and distressed target area(s) <b>AND</b></p> <p><input type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></p> <p><input type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</p>	<p><input type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</p> <p><b>AND</b></p> <p><input type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></p> <p><input type="checkbox"/> Your explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Cherokee County, Census Tract 804		
Criteria	Data Source	Data Documentation
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></p> <p><b>AND demonstrate one of the following:</b></p> <p><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</p> <p><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></p> <p><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</p> <p><b>AND</b></p> <p><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</p>	<p><input type="checkbox"/> Unmet repair needs narrative for businesses:</p> <p><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></p> <p><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></p> <p><input type="checkbox"/> Addresses of businesses with continuing needs</p> <p><b>OR</b></p> <p><input type="checkbox"/> <i>Decreased revenues narrative for business(es):</i></p> <p><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></p> <p><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></p> <p><input type="checkbox"/> Names and addresses of impacted businesses</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Cherokee County, Census Tract 804		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <p><input checked="" type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</p>	<p><input checked="" type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</p> <ul style="list-style-type: none"> <li>• Iowa State University’s Daily Soil Erosion Project</li> <li>• Iowa Department of Agriculture and Land Stewardship 2015 Iowa Water Quality Initiative Legislative Report (Program Oversubscription)</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauDdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVA0QWgzSHc&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauDdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVA0QWgzSHc&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfM3psYXI4SV91N00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfM3psYXI4SV91N00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 36</p>



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<p><b>MOST IMPACTED CHARACTERISTICS:</b> considers the damage resulting from the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Ida County, Census Tract 902</b></p>		
Criteria	Data Source	Data Documentation
<p><b>Housing damage due to eligible disaster:</b></p> <p><input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b></p> <p><input type="checkbox"/> Serious damage to a minimum of 20 homes</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <p><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></p> <p><input type="checkbox"/> HUD agrees with its validity</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater</p>	<p><input type="checkbox"/> An engineering report <b>OR</b></p> <p><input type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b></p> <p><input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b></p> <p><input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b></p> <p><input type="checkbox"/> Other harm to the economy due to the disaster</p>	<p><input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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<p><b>Environmental Degradation</b></p> <p><input checked="" type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input checked="" type="checkbox"/> Support with references to any studies supporting the claim of future risk</p> <ul style="list-style-type: none"> <li>• Iowa State University Iowa Learning Farms</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfkNHbGdwdE9sYWNBbWU1TmgyX0J1MDY4dHICQ3htQmMzak9TVkNoYjc5aDg&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfkNHbGdwdE9sYWNBbWU1TmgyX0J1MDY4dHICQ3htQmMzak9TVkNoYjc5aDg&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 38</p>
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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors prior to the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Ida County, Census Tract 902</b></p>		
<p><b>Criteria</b></p> <p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p> <p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p> <p><input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b></p>	<p><b>Data Source</b></p> <p><input type="checkbox"/> CDBG low- and moderate-income summary data</p> <p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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<b>MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster</b>		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
<b>Target Area Name: Ida County, Census Tract 902</b>		
Criteria	Data Source	Data Documentation
<input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against <b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria) <input type="checkbox"/> Tribal area <input type="checkbox"/> HUD Promise Zone site <input type="checkbox"/> HUD Strong Cities Strong Communities site <b>AND/OR</b> <input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate	<input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:
<b>Disaster impacted an area with prior documented environmental distress:</b> <input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)	<input type="checkbox"/> State-maintained Brownfield site list <b>OR</b> <input checked="" type="checkbox"/> Other documentation of prior environmental distress <ul style="list-style-type: none"> <li>• Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>	<input checked="" type="checkbox"/> Link: <a href="https://drive.google.com/open?id=0B4GkEW8yVGbffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYl1sd00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYl1sd00&amp;authuser=0</a> <input checked="" type="checkbox"/> Page number(s) in application: 38
<b>Housing:</b>	<input type="checkbox"/> Appendix C list of disasters with concentrations of housing	<input type="checkbox"/> Link:

**MID-URN SUMMARY CHECKLIST B**

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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors <i>prior</i> to the Qualified Disaster</p> <ul style="list-style-type: none"> <li>- <i>Response must include at least one criterion</i></li> <li>- <i>For each criteria category selected, the corresponding data source and data documentation response must be provided</i></li> </ul> <p><b>Target Area Name: Ida County, Census Tract 902</b></p>		
<p><b>Criteria</b></p>	<p><b>Data Source</b></p>	<p><b>Data Documentation</b></p>
<p><input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there</p>	<p>damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></li> <li><input type="checkbox"/> HUD agrees with validity</li> </ul>	<p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
<ul style="list-style-type: none"> <li>- Response must include at least one criterion</li> <li>- For each criteria category selected, the corresponding data source and data documentation response must be provided</li> </ul>		
Target Area Name: <b>Ida County, Census Tract 902</b>		
Criteria	Data Source	Data Documentation
<p><b>Housing:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs</li> </ul>	<p><b>Currently running</b> a CDBG-DR or other recovery housing program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b></li> <li><input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.</li> </ul> <p><b>Not currently running</b> a CDBG-DR or other housing recovery program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b></li> <li><input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b></li> <li><input type="checkbox"/> A list of 20 addresses of units identified with remaining damage                             <ul style="list-style-type: none"> <li><input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Link:</li> <li><input type="checkbox"/> Page number(s) in application:</li> </ul>



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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: <b>Ida County, Census Tract 902</b>		
Criteria	Data Source	Data Documentation
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, in or serving the most impacted and distressed target area(s) <b>AND</b></p> <p><input type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></p> <p><input type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</p>	<p><input type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</p> <p><b>AND</b></p> <p><input type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></p> <p><input type="checkbox"/> Your explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Ida County, Census Tract 902	Criteria	Data Source
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></p> <p><b>AND demonstrate one of the following:</b></p> <p><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</p> <p><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></p> <p><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</p> <p><b>AND</b></p> <p><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</p>	<p><input type="checkbox"/> Unmet repair needs narrative for businesses:</p> <p><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></p> <p><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></p> <p><input type="checkbox"/> Addresses of businesses with continuing needs</p> <p><b>OR</b></p> <p><input type="checkbox"/> <i>Decreased revenues narrative for business(es):</i></p> <p><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></p> <p><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></p> <p><input type="checkbox"/> Names and addresses of impacted businesses</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Ida County, Census Tract 902		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <p><input checked="" type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</p>	<p><input checked="" type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</p> <ul style="list-style-type: none"> <li>• Iowa State University’s Daily Soil Erosion Project</li> <li>• Iowa Department of Agriculture and Land Stewardship 2015 Iowa Water Quality Initiative Legislative Report (Program Oversubscription)</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVA0QWgzSHc&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVA0QWgzSHc&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfM3psYXI4SV91N00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfM3psYXI4SV91N00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 39</p>

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<p><b>MOST IMPACTED CHARACTERISTICS:</b> considers the damage resulting from the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p> <p><b>Target Area Name: Dickinson County, Census Tract 4502</b></p>		
Criteria	Data Source	Data Documentation
<p><b>Housing damage due to eligible disaster:</b></p> <p><input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b></p> <p><input type="checkbox"/> Serious damage to a minimum of 20 homes</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <p><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></p> <p><input type="checkbox"/> HUD agrees with its validity</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater</p>	<p><input type="checkbox"/> An engineering report <b>OR</b></p> <p><input type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b></p> <p><input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b></p> <p><input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b></p> <p><input type="checkbox"/> Other harm to the economy due to the disaster</p>	<p><input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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<p><b>Environmental Degradation</b></p> <p><input checked="" type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input checked="" type="checkbox"/> Support with references to any studies supporting the claim of future risk</p> <ul style="list-style-type: none"> <li>• Iowa State University Iowa Learning Farms</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtflwcejE1Sktrvc3EyZEg1OS1LaGdNaWY4ZXU4VGGQwRkdOSi04Y090WUJNadg&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtflwcejE1Sktrvc3EyZEg1OS1LaGdNaWY4ZXU4VGGQwRkdOSi04Y090WUJNadg&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 41</p>
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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors prior to the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Dickinson County, Census Tract 4502</b></p>		
<p><b>Criteria</b></p> <p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p> <p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p> <p><input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b></p>	<p><b>Data Source</b></p> <p><input type="checkbox"/> CDBG low- and moderate-income summary data</p> <p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>



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MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Dickinson County, Census Tract 4502		
Criteria	Data Source	Data Documentation
<input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against <b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria) <input type="checkbox"/> Tribal area <input type="checkbox"/> HUD Promise Zone site <input type="checkbox"/> HUD Strong Cities Strong Communities site <b>AND/OR</b> <input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate <b>Disaster impacted an area with prior documented environmental distress:</b> <input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)	<input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation  <input type="checkbox"/> State-maintained Brownfield site list <b>OR</b> <input checked="" type="checkbox"/> Other documentation of prior environmental distress <ul style="list-style-type: none"> <li>• Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:  <input checked="" type="checkbox"/> Link: <a href="https://drive.google.com/open?id=0B4GkEW8yVGbffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYl1sd00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYl1sd00&amp;authuser=0</a> <input checked="" type="checkbox"/> Page number(s) in application: 41 <input type="checkbox"/> Link:
<b>Housing:</b>	<input type="checkbox"/> Appendix C list of disasters with concentrations of housing	<input type="checkbox"/> Link:

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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors <i>prior</i> to the Qualified Disaster</p> <p>- <i>Response must include at least one criterion</i></p> <p>- <i>For each criteria category selected, the corresponding data source and data documentation response must be provided</i></p> <p><b>Target Area Name: Dickinson County, Census Tract 4502</b></p>		
Criteria	Data Source	Data Documentation
<input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there	damage meeting this requirement <b>OR</b> <input type="checkbox"/> Local data: <input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b> <input type="checkbox"/> HUD agrees with validity	<input type="checkbox"/> Page number(s) in application:

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Dickinson County, Census Tract 4502		
Criteria	Data Source	Data Documentation
<p><b>Housing:</b></p> <input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs	<p><b>Currently running</b> a CDBG-DR or other recovery housing program:</p> <input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b>	<input type="checkbox"/> Link:
<p><b>OR</b></p> <input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs	<input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.	<input type="checkbox"/> Page number(s) in application:
	<p><b>Not currently running</b> a CDBG-DR or other housing recovery program:</p> <input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b>	
	<input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster	
	<p><b>OR</b></p> <input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b>	
	<input type="checkbox"/> A list of 20 addresses of units identified with remaining damage	
	<input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs	

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UNMET RECOVERY NEED		
<ul style="list-style-type: none"> <li>- Response must include at least one criterion</li> <li>- For each criteria category selected, the corresponding data source and data documentation response must be provided</li> </ul>		
Target Area Name: Dickinson County, Census Tract 4502		
Criteria	Data Source	Data Documentation
<p><b>Infrastructure:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, in or serving the most impacted and distressed target area(s) <b>AND</b></li> <li><input type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></li> <li><input type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</li> </ul> <p><b>AND</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></li> <li><input type="checkbox"/> Y our explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Link:</li> <li><input type="checkbox"/> Page number(s) in application:</li> </ul>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Dickinson County, Census Tract 4502		
Criteria	Data Source	Data Documentation
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></p> <p><b>AND demonstrate one of the following:</b></p> <p><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</p> <p><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></p> <p><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</p> <p><b>AND</b></p> <p><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</p>	<p><input type="checkbox"/> Unmet repair needs narrative for businesses:</p> <p><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></p> <p><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></p> <p><input type="checkbox"/> Addresses of businesses with continuing needs</p> <p><b>OR</b></p> <p><input type="checkbox"/> <i>Decreased revenues narrative for business(es):</i></p> <p><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></p> <p><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></p> <p><input type="checkbox"/> Names and addresses of impacted businesses</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>



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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Dickinson County, Census Tract 4502		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <p><input checked="" type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</p>	<p><input checked="" type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</p> <ul style="list-style-type: none"> <li>• Iowa State University’s Daily Soil Erosion Project</li> <li>• Iowa Department of Agriculture and Land Stewardship 2015 Iowa Water Quality Initiative Legislative Report (Program Oversubscription)</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauDdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVAA0QWgzSHc&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauDdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVAA0QWgzSHc&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtM3psYXI4SV91N00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtM3psYXI4SV91N00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 42</p>

**MID-URN SUMMARY CHECKLIST B**

Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

<p><b>MOST IMPACTED CHARACTERISTICS:</b> considers the damage resulting from the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Dubuque County, Census Tract 102.01</b></p>		
Criteria	Data Source	Data Documentation
<p><b>Housing damage due to eligible disaster:</b></p> <p><input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b></p> <p><input type="checkbox"/> Serious damage to a minimum of 20 homes</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <p><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></p> <p><input type="checkbox"/> HUD agrees with its validity</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater</p>	<p><input type="checkbox"/> An engineering report <b>OR</b></p> <p><input type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b></p> <p><input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b></p> <p><input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b></p> <p><input type="checkbox"/> Other harm to the economy due to the disaster</p>	<p><input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

**MID-URN SUMMARY CHECKLIST B**

Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

<p><b>Environmental Degradation</b></p> <p><input checked="" type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input checked="" type="checkbox"/> Support with references to any studies supporting the claim of future risk</p> <ul style="list-style-type: none"> <li>• Iowa State University Iowa Learning Farms</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfkZNbW1TRkZ5SkNoWC1zam11MUNDbXQzNEYtZVRVMXlwRmVMTXJyZU81Tkk&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfkZNbW1TRkZ5SkNoWC1zam11MUNDbXQzNEYtZVRVMXlwRmVMTXJyZU81Tkk&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 44</p>
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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors prior to the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Dubuque County, Census Tract 102.01</b></p>		
<p><b>Criteria</b></p> <p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p> <p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p>	<p><b>Data Source</b></p> <p><input type="checkbox"/> CDBG low- and moderate-income summary data</p> <p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

**MID-URN SUMMARY CHECKLIST B**

*Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013*

<b>MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster</b> - Response must include at least one criterion - For each criteria category selected, the corresponding data source and data documentation response must be provided <b>Target Area Name: <u>DuBouque County, Census Tract 102.01</u></b>		
Criteria	Data Source	Data Documentation
<input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b> <input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against		
<b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria) <input type="checkbox"/> Tribal area <input type="checkbox"/> HUD Promise Zone site <input type="checkbox"/> HUD Strong Cities Strong Communities site <b>AND/OR</b> <input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate	<input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:

**MID-URN SUMMARY CHECKLIST B**

Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: <b>Dubuque County, Census Tract 102.01</b>		
Criteria	Data Source	Data Documentation
<p><b>Disaster impacted an area with prior documented environmental distress:</b></p> <p><input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)</p>	<p><input type="checkbox"/> State-maintained Brownfield site list <b>OR</b></p> <p><input checked="" type="checkbox"/> Other documentation of prior environmental distress</p> <ul style="list-style-type: none"> <li>• Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY11UJkIQcl9PbU9NYlIsd00&amp;authuset=0">https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY11UJkIQcl9PbU9NYlIsd00&amp;authuset=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 44</p>
<p><b>Housing:</b></p> <p><input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></li> <li><input type="checkbox"/> HUD agrees with validity</li> </ul>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>



**MID-URN SUMMARY CHECKLIST B**

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UNMET RECOVERY NEED		
<ul style="list-style-type: none"> <li>- Response must include at least one criterion</li> <li>- For each criteria category selected, the corresponding data source and data documentation response must be provided</li> </ul>		
Target Area Name: Dubuque County, Census Tract 102.01		
Criteria	Data Source	Data Documentation
<p><b>Housing:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs</li> </ul>	<p><u>Currently running</u> a CDBG-DR or other recovery housing program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b></li> <li><input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.</li> </ul> <p><u>Not currently running</u> a CDBG-DR or other housing recovery program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b></li> <li><input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b></li> <li><input type="checkbox"/> A list of 20 addresses of units identified with remaining damage                             <ul style="list-style-type: none"> <li><input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Link:</li> <li><input type="checkbox"/> Page number(s) in application:</li> </ul>

**MID-URN SUMMARY CHECKLIST B**

Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: <b>Dubuque County, Census Tract 102.01</b>		
Criteria	Data Source	Data Documentation
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, in or serving the most impacted and distressed target area(s) <b>AND</b></p> <p><input type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></p> <p><input type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</p>	<p><input type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</p> <p><b>AND</b></p> <p><input type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></p> <p><input type="checkbox"/> Your explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: <b>Dubuque County, Census Tract 102.01</b>		
Criteria	Data Source	Data Documentation
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></p> <p><b>AND demonstrate one of the following:</b></p> <p><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</p> <p><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></p> <p><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</p> <p><b>AND</b></p> <p><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</p>	<p><input type="checkbox"/> Unmet repair needs narrative for businesses:</p> <p><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></p> <p><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></p> <p><input type="checkbox"/> Addresses of businesses with continuing needs</p> <p><b>OR</b></p> <p><input type="checkbox"/> <i>Decreased revenues narrative for business(es):</i></p> <p><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></p> <p><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></p> <p><input type="checkbox"/> Names and addresses of impacted businesses</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: <b>Dubuque County, Census Tract 102.01</b>		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <p><input checked="" type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</p>	<p><input checked="" type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</p> <ul style="list-style-type: none"> <li>• Iowa State University’s Daily Soil Erosion Project</li> <li>• Iowa Department of Agriculture and Land Stewardship 2015 Iowa Water Quality Initiative Legislative Report (Program Oversubscription)</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauDdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVA0QWgzSHc&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauDdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVA0QWgzSHc&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfM3psYXI4SV91N00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfM3psYXI4SV91N00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 45</p>

**MID-URN SUMMARY CHECKLIST B**

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<p><b>MOST IMPACTED CHARACTERISTICS:</b> considers the damage resulting from the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Dubuque County, Census Tract 103</b></p>		
Criteria	Data Source	Data Documentation
<p><b>Housing damage due to eligible disaster:</b></p> <p><input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b></p> <p><input type="checkbox"/> Serious damage to a minimum of 20 homes</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <p><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></p> <p><input type="checkbox"/> HUD agrees with its validity</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater</p>	<p><input type="checkbox"/> An engineering report <b>OR</b></p> <p><input type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b></p> <p><input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b></p> <p><input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b></p> <p><input type="checkbox"/> Other harm to the economy due to the disaster</p>	<p><input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>



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<p><b>Environmental Degradation</b></p> <p><input checked="" type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input checked="" type="checkbox"/> Support with references to any studies supporting the claim of future risk</p> <ul style="list-style-type: none"> <li>• Iowa State University Iowa Learning Farms</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfkZNBwITRkZ5SkNoWC1zamIIMUNDbXQzNEYtZVRVMXlwRmVMTXJyZU81Tkk&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfkZNBwITRkZ5SkNoWC1zamIIMUNDbXQzNEYtZVRVMXlwRmVMTXJyZU81Tkk&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 47</p>
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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors prior to the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>	
<p><b>Target Area Name: Dubuque County, Census Tract 103</b></p>	
<p><b>Criteria</b></p> <p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p> <p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p>	<p><b>Data Source</b></p> <p><input type="checkbox"/> CDBG low- and moderate-income summary data</p> <p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>
<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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<b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors <i>prior</i> to the Qualified Disaster - Response must include at least one criterion - For each criteria category selected, the corresponding data source and data documentation response must be provided <b>Target Area Name: <u>Dubuque County, Census Tract 103</u></b>		
Criteria	Data Source	Data Documentation
<input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b> <input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against		
<b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria) <input type="checkbox"/> Tribal area <input type="checkbox"/> HUD Promise Zone site <input type="checkbox"/> HUD Strong Cities Strong Communities site <b>AND/OR</b> <input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate	<input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:

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MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Dubuque County, Census Tract 103		
Criteria	Data Source	Data Documentation
<p><b>Disaster impacted an area with prior documented environmental distress:</b></p> <p><input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)</p>	<p><input type="checkbox"/> State-maintained Brownfield site list <b>OR</b></p> <p><input checked="" type="checkbox"/> Other documentation of prior environmental distress</p> <ul style="list-style-type: none"> <li>• Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYlIsd00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYlIsd00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 47</p>
<p><b>Housing:</b></p> <p><input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></li> <li><input type="checkbox"/> HUD agrees with validity</li> </ul>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

**MID-URN SUMMARY CHECKLIST B**

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UNMET RECOVERY NEED		
<ul style="list-style-type: none"> <li>- Response must include at least one criterion</li> <li>- For each criteria category selected, the corresponding data source and data documentation response must be provided</li> </ul>		
Target Area Name: Dubuque County, Census Tract 103		
Criteria	Data Source	Data Documentation
<p><b>Housing:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs</li> </ul>	<p><b>Currently running</b> a CDBG-DR or other recovery housing program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b></li> <li><input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.</li> </ul> <p><b>Not currently running</b> a CDBG-DR or other housing recovery program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b></li> <li><input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b></li> <li><input type="checkbox"/> A list of 20 addresses of units identified with remaining damage                             <ul style="list-style-type: none"> <li><input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Link:</li> <li><input type="checkbox"/> Page number(s) in application:</li> </ul>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: <b>Dubuque County, Census Tract 103</b>		
Criteria	Data Source	Data Documentation
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, in or serving the most impacted and distressed target area(s) <b>AND</b></p> <p><input type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></p> <p><input type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</p>	<p><input type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</p> <p><b>AND</b></p> <p><input type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></p> <p><input type="checkbox"/> Y our explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>



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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: <b>Dubuque County, Census Tract 103</b>		
Criteria	Data Source	Data Documentation
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></p> <p><b>AND demonstrate one of the following:</b></p> <p><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</p> <p><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></p> <p><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</p> <p><b>AND</b></p> <p><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</p>	<p><input type="checkbox"/> Unmet repair needs narrative for businesses:</p> <p><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></p> <p><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></p> <p><input type="checkbox"/> Addresses of businesses with continuing needs</p> <p><b>OR</b></p> <p><input type="checkbox"/> <i>Decreased revenues narrative for business(es):</i></p> <p><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></p> <p><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></p> <p><input type="checkbox"/> Names and addresses of impacted businesses</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: <b>Dubuque County, Census Tract 103</b>		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <p><input checked="" type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</p>	<p><input checked="" type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</p> <ul style="list-style-type: none"> <li>• Iowa State University’s Daily Soil Erosion Project</li> <li>• Iowa Department of Agriculture and Land Stewardship 2015 Iowa Water Quality Initiative Legislative Report (Program Oversubscription)</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVA0QWgzSHc&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVA0QWgzSHc&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtM3psYXI4SV91N00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtM3psYXI4SV91N00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 48</p>

**MID-URN SUMMARY CHECKLIST B**

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<p><b>MOST IMPACTED CHARACTERISTICS:</b> considers the damage resulting from the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Dubuque County, Census Tract 104</b></p>		
Criteria	Data Source	Data Documentation
<p><b>Housing damage due to eligible disaster:</b></p> <p><input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b></p> <p><input type="checkbox"/> Serious damage to a minimum of 20 homes</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <p><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></p> <p><input type="checkbox"/> HUD agrees with its validity</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater</p>	<p><input type="checkbox"/> An engineering report <b>OR</b></p> <p><input type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b></p> <p><input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b></p> <p><input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b></p> <p><input type="checkbox"/> Other harm to the economy due to the disaster</p>	<p><input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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<p><b>Environmental Degradation</b></p> <p><input checked="" type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input checked="" type="checkbox"/> Support with references to any studies supporting the claim of future risk</p> <ul style="list-style-type: none"> <li>• Iowa State University Iowa Learning Farms</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfkZNbW1TRkZ5SkNoWC1zam11MUNDbXQzNEYtZVRVMXlwRmVMTXJyZU81Tkk&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfkZNbW1TRkZ5SkNoWC1zam11MUNDbXQzNEYtZVRVMXlwRmVMTXJyZU81Tkk&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 50</p>
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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors prior to the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Dubuque County, Census Tract 104</b></p>		
<p><b>Criteria</b></p> <p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p> <p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p>	<p><b>Data Source</b></p> <p><input type="checkbox"/> CDBG low- and moderate-income summary data</p> <p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

**MID-URN SUMMARY CHECKLIST B**

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<b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors <i>prior</i> to the Qualified Disaster - Response must include at least one criterion - For each criteria category selected, the corresponding data source and data documentation response must be provided <b>Target Area Name: <u>Dubuque County, Census Tract 104</u></b>		
Criteria	Data Source	Data Documentation
<input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b> <input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against		
<b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria) <input type="checkbox"/> Tribal area <input type="checkbox"/> HUD Promise Zone site <input type="checkbox"/> HUD Strong Cities Strong Communities site <b>AND/OR</b> <input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate	<input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:



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MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Dubuque County, Census Tract 104		
Criteria	Data Source	Data Documentation
<p><b>Disaster impacted an area with prior documented environmental distress:</b></p> <p><input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)</p>	<p><input type="checkbox"/> State-maintained Brownfield site list <b>OR</b></p> <p><input checked="" type="checkbox"/> Other documentation of prior environmental distress</p> <ul style="list-style-type: none"> <li>• Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYlIsd00&amp;authuset=0">https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYlIsd00&amp;authuset=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 50</p>
<p><b>Housing:</b></p> <p><input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></li> <li><input type="checkbox"/> HUD agrees with validity</li> </ul>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Dubuque County, Census Tract 104		
Criteria	Data Source	Data Documentation
<p><b>Housing:</b></p> <p><input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs</p> <p><b>OR</b></p> <p><input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs</p>	<p><b>Currently running</b> a CDBG-DR or other recovery housing program:</p> <p><input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b></p> <p><input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.</p> <p><b>Not currently running</b> a CDBG-DR or other housing recovery program:</p> <p><input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b></p> <p><input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster</p> <p><b>OR</b></p> <p><input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b></p> <p><input type="checkbox"/> A list of 20 addresses of units identified with remaining damage</p> <p><input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: <b>Dubuque County, Census Tract 104</b>		
Criteria	Data Source	Data Documentation
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, in or serving the most impacted and distressed target area(s) <b>AND</b></p> <p><input type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></p> <p><input type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</p>	<p><input type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</p> <p><b>AND</b></p> <p><input type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></p> <p><input type="checkbox"/> Y our explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED			
- Response must include at least one criterion			
- For each criteria category selected, the corresponding data source and data documentation response must be provided			
Target Area Name: <b>Dubuque County, Census Tract 104</b>	Criteria	Data Source	Data Documentation
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></p> <p><b>AND demonstrate one of the following:</b></p> <p><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</p> <p><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></p> <p><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</p> <p><b>AND</b></p> <p><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</p>	<p><input type="checkbox"/> Unmet repair needs narrative for businesses:</p> <p><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></p> <p><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></p> <p><input type="checkbox"/> Addresses of businesses with continuing needs</p> <p><b>OR</b></p> <p><input type="checkbox"/> <i>Decreased revenues narrative for business(es):</i></p> <p><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></p> <p><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></p> <p><input type="checkbox"/> Names and addresses of impacted businesses</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>	

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: <b>Dubuque County, Census Tract 104</b>		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <p><input checked="" type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</p>	<p><input checked="" type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</p> <ul style="list-style-type: none"> <li>• Iowa State University’s Daily Soil Erosion Project</li> <li>• Iowa Department of Agriculture and Land Stewardship 2015 Iowa Water Quality Initiative Legislative Report (Program Oversubscription)</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVA0QWgzSHc&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVA0QWgzSHc&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfM3psYXI4SV91N00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfM3psYXI4SV91N00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 51</p>



**MID-URN SUMMARY CHECKLIST B**

Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

<p><b>MOST IMPACTED CHARACTERISTICS:</b> considers the damage resulting from the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Appanoose County, Census Tract 9501</b></p>		
Criteria	Data Source	Data Documentation
<p><b>Housing damage due to eligible disaster:</b></p> <p><input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b></p> <p><input type="checkbox"/> Serious damage to a minimum of 20 homes</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <p><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></p> <p><input type="checkbox"/> HUD agrees with its validity</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater</p>	<p><input type="checkbox"/> An engineering report <b>OR</b></p> <p><input type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b></p> <p><input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b></p> <p><input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b></p> <p><input type="checkbox"/> Other harm to the economy due to the disaster</p>	<p><input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

<p><b>Environmental Degradation</b></p> <p><input checked="" type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input checked="" type="checkbox"/> Support with references to any studies supporting the claim of future risk</p> <ul style="list-style-type: none"> <li>• Iowa State University Iowa Learning Farms</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfnJLR3o2b2g5cIRTeUjvS29hdGVuMklUdTR0eTBIZ0lYVGRLQUtQY095a2c&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfnJLR3o2b2g5cIRTeUjvS29hdGVuMklUdTR0eTBIZ0lYVGRLQUtQY095a2c&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 53</p>
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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors prior to the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Appanoose County, Census Tract 9501</b></p>		
<p><b>Criteria</b></p> <p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p> <p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p> <p><input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b></p>	<p><b>Data Source</b></p> <p><input type="checkbox"/> CDBG low- and moderate-income summary data</p> <p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Appanoose County, Census Tract 9501		
Criteria	Data Source	Data Documentation
<input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against <b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria) <input type="checkbox"/> Tribal area <input type="checkbox"/> HUD Promise Zone site <input type="checkbox"/> HUD Strong Cities Strong Communities site <b>AND/OR</b> <input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate <b>Disaster impacted an area with prior documented environmental distress:</b> <input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)	<input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation  <input type="checkbox"/> State-maintained Brownfield site list <b>OR</b> <input checked="" type="checkbox"/> Other documentation of prior environmental distress <ul style="list-style-type: none"> <li>• Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:  <input checked="" type="checkbox"/> Link: <a href="https://drive.google.com/open?id=0B4GkEW8yVGbffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYllsd00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYllsd00&amp;authuser=0</a> <input checked="" type="checkbox"/> Page number(s) in application: 53 <input type="checkbox"/> Link:
<b>Housing:</b>	<input type="checkbox"/> Appendix C list of disasters with concentrations of housing	<input type="checkbox"/> Link:

**MID-URN SUMMARY CHECKLIST B**

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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors <i>prior</i> to the Qualified Disaster</p> <ul style="list-style-type: none"> <li>- <i>Response must include at least one criterion</i></li> <li>- <i>For each criteria category selected, the corresponding data source and data documentation response must be provided</i></li> </ul> <p><b>Target Area Name: Appanoose County, Census Tract 9501</b></p>		
Criteria	Data Source	Data Documentation
<input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there	damage meeting this requirement <b>OR</b> <input type="checkbox"/> Local data: <input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b> <input type="checkbox"/> HUD agrees with validity	<input type="checkbox"/> Page number(s) in application:

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UNMET RECOVERY NEED		
<ul style="list-style-type: none"> <li>- Response must include at least one criterion</li> <li>- For each criteria category selected, the corresponding data source and data documentation response must be provided</li> </ul>		
Target Area Name: Appanoose County, Census Tract 9501		
Criteria	Data Source	Data Documentation
<p><b>Housing:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs</li> </ul>	<p><b>Currently running</b> a CDBG-DR or other recovery housing program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b></li> <li><input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.</li> </ul> <p><b>Not currently running</b> a CDBG-DR or other housing recovery program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b></li> <li><input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b></li> <li><input type="checkbox"/> A list of 20 addresses of units identified with remaining damage                             <ul style="list-style-type: none"> <li><input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Link:</li> <li><input type="checkbox"/> Page number(s) in application:</li> </ul>



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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Appanoose County, Census Tract 9501		
Criteria	Data Source	Data Documentation
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, in or serving the most impacted and distressed target area(s) <b>AND</b></p> <p><input type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></p> <p><input type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</p>	<p><input type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</p> <p><b>AND</b></p> <p><input type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></p> <p><input type="checkbox"/> Y our explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Appanoose County, Census Tract 9501		
Criteria	Data Source	Data Documentation
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></p> <p><b>AND demonstrate one of the following:</b></p> <p><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</p> <p><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></p> <p><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</p> <p><b>AND</b></p> <p><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</p>	<p><input type="checkbox"/> Unmet repair needs narrative for businesses:</p> <p><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></p> <p><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></p> <p><input type="checkbox"/> Addresses of businesses with continuing needs</p> <p><b>OR</b></p> <p><input type="checkbox"/> <i>Decreased revenues narrative for business(es):</i></p> <p><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></p> <p><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></p> <p><input type="checkbox"/> Names and addresses of impacted businesses</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Appanoose County, Census Tract 9501		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <p><input checked="" type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</p>	<p><input checked="" type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</p> <ul style="list-style-type: none"> <li>• Iowa State University’s Daily Soil Erosion Project</li> <li>• Iowa Department of Agriculture and Land Stewardship 2015 Iowa Water Quality Initiative Legislative Report (Program Oversubscription)</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVA0QWgzSHc&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVA0QWgzSHc&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtM3psYXI4SV91N00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtM3psYXI4SV91N00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 54</p>

**MID-URN SUMMARY CHECKLIST B**

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<p><b>MOST IMPACTED CHARACTERISTICS:</b> considers the damage resulting from the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Davis County, Census Tract 802</b></p>		
Criteria	Data Source	Data Documentation
<p><b>Housing damage due to eligible disaster:</b></p> <p><input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b></p> <p><input type="checkbox"/> Serious damage to a minimum of 20 homes</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <p><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></p> <p><input type="checkbox"/> HUD agrees with its validity</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater</p>	<p><input type="checkbox"/> An engineering report <b>OR</b></p> <p><input type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b></p> <p><input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b></p> <p><input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b></p> <p><input type="checkbox"/> Other harm to the economy due to the disaster</p>	<p><input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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<p><b>Environmental Degradation</b></p> <p><input checked="" type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input checked="" type="checkbox"/> Support with references to any studies supporting the claim of future risk</p> <ul style="list-style-type: none"> <li>• Iowa State University Iowa Learning Farms</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfnJLR3o2b2g5cIRTeUjvS29hdGVuMklUdTR0eTBIZ0YVGRlQUtQY095a2c&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfnJLR3o2b2g5cIRTeUjvS29hdGVuMklUdTR0eTBIZ0YVGRlQUtQY095a2c&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 56</p>
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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors prior to the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Davis County, Census Tract 802</b></p>		
<p><b>Criteria</b></p> <p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p> <p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p> <p><input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b></p>	<p><b>Data Source</b></p> <p><input type="checkbox"/> CDBG low- and moderate-income summary data</p> <p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>



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MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Davis County, Census Tract 802		
Criteria	Data Source	Data Documentation
<input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against <b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria) <input type="checkbox"/> Tribal area <input type="checkbox"/> HUD Promise Zone site <input type="checkbox"/> HUD Strong Cities Strong Communities site <b>AND/OR</b> <input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate <b>Disaster impacted an area with prior documented environmental distress:</b> <input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)	<input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:
<input type="checkbox"/> State-maintained Brownfield site list <b>OR</b> <input checked="" type="checkbox"/> Other documentation of prior environmental distress <ul style="list-style-type: none"> <li>• Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>	<input checked="" type="checkbox"/> Link: <a href="https://drive.google.com/open?id=0B4GkEW8yVGbffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYllsd00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYllsd00&amp;authuser=0</a> <input checked="" type="checkbox"/> Page number(s) in application: 56	<input type="checkbox"/> Link:
<b>Housing:</b>	<input type="checkbox"/> Appendix C list of disasters with concentrations of housing	<input type="checkbox"/> Link:

**MID-URN SUMMARY CHECKLIST B**

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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors <i>prior</i> to the Qualified Disaster</p> <ul style="list-style-type: none"> <li>- <i>Response must include at least one criterion</i></li> <li>- <i>For each criteria category selected, the corresponding data source and data documentation response must be provided</i></li> </ul> <p><b>Target Area Name: Davis County, Census Tract 802</b></p>		
<p><b>Criteria</b></p> <p><input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there</p>	<p><b>Data Source</b></p> <p>damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <p><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></p> <p><input type="checkbox"/> HUD agrees with validity</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Davis County, Census Tract 802		
Criteria	Data Source	Data Documentation
<p><b>Housing:</b></p> <p><input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs</p> <p><b>OR</b></p> <p><input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs</p>	<p><b>Currently running</b> a CDBG-DR or other recovery housing program:</p> <p><input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b></p> <p><input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.</p> <p><b>Not currently running</b> a CDBG-DR or other housing recovery program:</p> <p><input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b></p> <p><input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster</p> <p><b>OR</b></p> <p><input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b></p> <p><input type="checkbox"/> A list of 20 addresses of units identified with remaining damage</p> <p><input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Davis County, Census Tract 802		
Criteria	Data Source	Data Documentation
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, in or serving the most impacted and distressed target area(s) <b>AND</b></p> <p><input type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></p> <p><input type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</p>	<p><input type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</p> <p><b>AND</b></p> <p><input type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></p> <p><input type="checkbox"/> Your explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Davis County, Census Tract 802	Criteria	Data Source
	<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></p> <p><b>AND demonstrate one of the following:</b></p> <p><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</p> <p><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></p> <p><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</p> <p><b>AND</b></p> <p><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</p>	<p><input type="checkbox"/> Unmet repair needs narrative for businesses:</p> <p><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></p> <p><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></p> <p><input type="checkbox"/> Addresses of businesses with continuing needs</p> <p><b>OR</b></p> <p><input type="checkbox"/> <i>Decreased revenues narrative for business(es):</i></p> <p><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></p> <p><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></p> <p><input type="checkbox"/> Names and addresses of impacted businesses</p>
		<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>



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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Davis County, Census Tract 802		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <p><input checked="" type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</p>	<p><input checked="" type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</p> <ul style="list-style-type: none"> <li>• Iowa State University’s Daily Soil Erosion Project</li> <li>• Iowa Department of Agriculture and Land Stewardship 2015 Iowa Water Quality Initiative Legislative Report (Program Oversubscription)</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJfAWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVAA0QWgzSHc&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJfAWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVAA0QWgzSHc&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtM3psYXI4SV91N00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtM3psYXI4SV91N00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 57</p>

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<p><b>MOST IMPACTED CHARACTERISTICS:</b> considers the damage resulting from the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Iowa County, Census Tract 9603</b></p>		
Criteria	Data Source	Data Documentation
<p><b>Housing damage due to eligible disaster:</b></p> <p><input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b></p> <p><input type="checkbox"/> Serious damage to a minimum of 20 homes</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <p><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></p> <p><input type="checkbox"/> HUD agrees with its validity</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater</p>	<p><input type="checkbox"/> An engineering report <b>OR</b></p> <p><input type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b></p> <p><input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b></p> <p><input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b></p> <p><input type="checkbox"/> Other harm to the economy due to the disaster</p>	<p><input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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<p><b>Environmental Degradation</b></p> <p><input checked="" type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input checked="" type="checkbox"/> Support with references to any studies supporting the claim of future risk</p> <ul style="list-style-type: none"> <li>• Iowa State University Iowa Learning Farms</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfnJLR3o2b2g5cIRTeUjvS29hdGVuMklUdTR0eTBIZ0YVGRlQUtQY095a2c&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfnJLR3o2b2g5cIRTeUjvS29hdGVuMklUdTR0eTBIZ0YVGRlQUtQY095a2c&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 59</p>
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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors prior to the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Iowa County, Census Tract 9603</b></p>		
<p><b>Criteria</b></p> <p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p> <p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p> <p><input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b></p>	<p><b>Data Source</b></p> <p><input type="checkbox"/> CDBG low- and moderate-income summary data</p> <p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Iowa County, Census Tract 9603		
Criteria	Data Source	Data Documentation
<input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against <b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria) <input type="checkbox"/> Tribal area <input type="checkbox"/> HUD Promise Zone site <input type="checkbox"/> HUD Strong Cities Strong Communities site <b>AND/OR</b> <input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate	<input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:
<b>Disaster impacted an area with prior documented environmental distress:</b> <input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)	<input type="checkbox"/> State-maintained Brownfield site list <b>OR</b> <input checked="" type="checkbox"/> Other documentation of prior environmental distress <ul style="list-style-type: none"> <li>• Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>	<input checked="" type="checkbox"/> Link: <a href="https://drive.google.com/open?id=0B4GkEW8yVGbffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYllsd00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYllsd00&amp;authuser=0</a> <input checked="" type="checkbox"/> Page number(s) in application: 59
<b>Housing:</b>	<input type="checkbox"/> Appendix C list of disasters with concentrations of housing	<input type="checkbox"/> Link:

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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors <i>prior</i> to the Qualified Disaster</p> <ul style="list-style-type: none"> <li>- <i>Response must include at least one criterion</i></li> <li>- <i>For each criteria category selected, the corresponding data source and data documentation response must be provided</i></li> </ul> <p><b>Target Area Name: Iowa County, Census Tract 9603</b></p>		
<b>Criteria</b>	<b>Data Source</b>	<b>Data Documentation</b>
<input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there	damage meeting this requirement <b>OR</b> <input type="checkbox"/> Local data: <input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b> <input type="checkbox"/> HUD agrees with validity	<input type="checkbox"/> Page number(s) in application:



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UNMET RECOVERY NEED		
<ul style="list-style-type: none"> <li>- Response must include at least one criterion</li> <li>- For each criteria category selected, the corresponding data source and data documentation response must be provided</li> </ul>		
Target Area Name: Iowa County, Census Tract 9603		
Criteria	Data Source	Data Documentation
<p><b>Housing:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs</li> </ul>	<p><b>Currently running</b> a CDBG-DR or other recovery housing program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b></li> <li><input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.</li> </ul> <p><b>Not currently running</b> a CDBG-DR or other housing recovery program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b></li> <li><input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b></li> <li><input type="checkbox"/> A list of 20 addresses of units identified with remaining damage                             <ul style="list-style-type: none"> <li><input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Link:</li> <li><input type="checkbox"/> Page number(s) in application:</li> </ul>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Iowa County, Census Tract 9603		
Criteria	Data Source	Data Documentation
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, in or serving the most impacted and distressed target area(s) <b>AND</b></p> <p><input type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></p> <p><input type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</p>	<p><input type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</p> <p><b>AND</b></p> <p><input type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></p> <p><input type="checkbox"/> Your explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED			
- Response must include at least one criterion			
- For each criteria category selected, the corresponding data source and data documentation response must be provided			
Target Area Name: Iowa County, Census Tract 9603	Criteria	Data Source	Data Documentation
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></p> <p><b>AND demonstrate one of the following:</b></p> <p><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</p> <p><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></p> <p><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</p> <p><b>AND</b></p> <p><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</p>	<p><input type="checkbox"/> Unmet repair needs narrative for businesses:</p> <p><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></p> <p><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></p> <p><input type="checkbox"/> Addresses of businesses with continuing needs</p> <p><b>OR</b></p> <p><input type="checkbox"/> <i>Decreased revenues narrative for business(es):</i></p> <p><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></p> <p><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></p> <p><input type="checkbox"/> Names and addresses of impacted businesses</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>	

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Iowa County, Census Tract 9603		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <p><input checked="" type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</p>	<p><input checked="" type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</p> <ul style="list-style-type: none"> <li>• Iowa State University’s Daily Soil Erosion Project</li> <li>• Iowa Department of Agriculture and Land Stewardship 2015 Iowa Water Quality Initiative Legislative Report (Program Oversubscription)</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauDdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVAA0QWgzSHc&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauDdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVAA0QWgzSHc&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfM3psYXI4SV91N00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfM3psYXI4SV91N00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 60</p>

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<p><b>MOST IMPACTED CHARACTERISTICS:</b> considers the damage resulting from the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Iowa County, Census Tract 9604</b></p>		
Criteria	Data Source	Data Documentation
<p><b>Housing damage due to eligible disaster:</b></p> <p><input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b></p> <p><input type="checkbox"/> Serious damage to a minimum of 20 homes</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <p><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></p> <p><input type="checkbox"/> HUD agrees with its validity</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater</p>	<p><input type="checkbox"/> An engineering report <b>OR</b></p> <p><input type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b></p> <p><input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b></p> <p><input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b></p> <p><input type="checkbox"/> Other harm to the economy due to the disaster</p>	<p><input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>



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<p><b>Environmental Degradation</b></p> <p><input checked="" type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input checked="" type="checkbox"/> Support with references to any studies supporting the claim of future risk</p> <ul style="list-style-type: none"> <li>• Iowa State University Iowa Learning Farms</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfnJLR3o2b2g5cIRTeUjvS29hdGVuMklUdTR0eTBIZ0YVGRlQUtQY095a2c&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfnJLR3o2b2g5cIRTeUjvS29hdGVuMklUdTR0eTBIZ0YVGRlQUtQY095a2c&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 62</p>
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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors prior to the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Iowa County, Census Tract 9604</b></p>		
<p><b>Criteria</b></p> <p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p> <p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p> <p><input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b></p>	<p><b>Data Source</b></p> <p><input type="checkbox"/> CDBG low- and moderate-income summary data</p> <p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Iowa County, Census Tract 9604		
Criteria	Data Source	Data Documentation
<input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against <b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria) <input type="checkbox"/> Tribal area <input type="checkbox"/> HUD Promise Zone site <input type="checkbox"/> HUD Strong Cities Strong Communities site <b>AND/OR</b> <input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate	<input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:
<b>Disaster impacted an area with prior documented environmental distress:</b> <input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)	<input type="checkbox"/> State-maintained Brownfield site list <b>OR</b> <input checked="" type="checkbox"/> Other documentation of prior environmental distress <ul style="list-style-type: none"> <li>• Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>	<input checked="" type="checkbox"/> Link: <a href="https://drive.google.com/open?id=0B4GkEW8yVGbffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYllsd00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYllsd00&amp;authuser=0</a> <input checked="" type="checkbox"/> Page number(s) in application: 62
<b>Housing:</b>	<input type="checkbox"/> Appendix C list of disasters with concentrations of housing	<input type="checkbox"/> Link:

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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors <i>prior</i> to the Qualified Disaster</p> <ul style="list-style-type: none"> <li>- <i>Response must include at least one criterion</i></li> <li>- <i>For each criteria category selected, the corresponding data source and data documentation response must be provided</i></li> </ul> <p><b>Target Area Name: Iowa County, Census Tract 9604</b></p>		
<p><b>Criteria</b></p>	<p><b>Data Source</b></p>	<p><b>Data Documentation</b></p>
<p><input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there</p>	<p>damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <p><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></p> <p><input type="checkbox"/> HUD agrees with validity</p>	<p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
<ul style="list-style-type: none"> <li>- Response must include at least one criterion</li> <li>- For each criteria category selected, the corresponding data source and data documentation response must be provided</li> </ul>		
Target Area Name: Iowa County, Census Tract 9604		
Criteria	Data Source	Data Documentation
<p><b>Housing:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs</li> </ul>	<p><b>Currently running</b> a CDBG-DR or other recovery housing program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b></li> <li><input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.</li> </ul> <p><b>Not currently running</b> a CDBG-DR or other housing recovery program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b></li> <li><input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b></li> <li><input type="checkbox"/> A list of 20 addresses of units identified with remaining damage                             <ul style="list-style-type: none"> <li><input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Link:</li> <li><input type="checkbox"/> Page number(s) in application:</li> </ul>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Iowa County, Census Tract 9604		
Criteria	Data Source	Data Documentation
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, in or serving the most impacted and distressed target area(s) <b>AND</b></p> <p><input type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></p> <p><input type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</p>	<p><input type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</p> <p><b>AND</b></p> <p><input type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></p> <p><input type="checkbox"/> Your explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>



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UNMET RECOVERY NEED			
- Response must include at least one criterion			
- For each criteria category selected, the corresponding data source and data documentation response must be provided			
Target Area Name: Iowa County, Census Tract 9604	Criteria	Data Source	Data Documentation
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></p> <p><u><b>AND demonstrate one of the following:</b></u></p> <p><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</p> <p><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></p> <p><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</p> <p><b>AND</b></p> <p><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</p>	<p><input type="checkbox"/> Unmet repair needs narrative for businesses:</p> <p><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></p> <p><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></p> <p><input type="checkbox"/> Addresses of businesses with continuing needs</p> <p><b>OR</b></p> <p><input type="checkbox"/> <i>Decreased revenues narrative for business(es):</i></p> <p><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></p> <p><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></p> <p><input type="checkbox"/> Names and addresses of impacted businesses</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>	

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Iowa County, Census Tract 9604		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <p><input checked="" type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</p>	<p><input checked="" type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</p> <ul style="list-style-type: none"> <li>• Iowa State University’s Daily Soil Erosion Project</li> <li>• Iowa Department of Agriculture and Land Stewardship 2015 Iowa Water Quality Initiative Legislative Report (Program Oversubscription)</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauDdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVA0QWgzSHc&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauDdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVA0QWgzSHc&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfM3psYXI4SV91N00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfM3psYXI4SV91N00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 63</p>

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<p><b>MOST IMPACTED CHARACTERISTICS:</b> considers the damage resulting from the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Marion County, Census Tract 307</b></p>		
Criteria	Data Source	Data Documentation
<p><b>Housing damage due to eligible disaster:</b></p> <p><input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b></p> <p><input type="checkbox"/> Serious damage to a minimum of 20 homes</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <p><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></p> <p><input type="checkbox"/> HUD agrees with its validity</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater</p>	<p><input type="checkbox"/> An engineering report <b>OR</b></p> <p><input type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b></p> <p><input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b></p> <p><input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b></p> <p><input type="checkbox"/> Other harm to the economy due to the disaster</p>	<p><input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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<p><b>Environmental Degradation</b></p> <p><input checked="" type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input checked="" type="checkbox"/> Support with references to any studies supporting the claim of future risk</p> <ul style="list-style-type: none"> <li>• Iowa State University Iowa Learning Farms</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfnJLR3o2b2g5cIRTeUjvS29hdGVuMklUdTR0eTBIZ0YVGRlQUtQY095a2c&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfnJLR3o2b2g5cIRTeUjvS29hdGVuMklUdTR0eTBIZ0YVGRlQUtQY095a2c&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 65</p>
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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors prior to the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Marion County, Census Tract 307</b></p>		
<p><b>Criteria</b></p> <p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p> <p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p> <p><input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b></p>	<p><b>Data Source</b></p> <p><input type="checkbox"/> CDBG low- and moderate-income summary data</p> <p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Marion County, Census Tract 307		
Criteria	Data Source	Data Documentation
<input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against <b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria) <input type="checkbox"/> Tribal area <input type="checkbox"/> HUD Promise Zone site <input type="checkbox"/> HUD Strong Cities Strong Communities site <b>AND/OR</b> <input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate <b>Disaster impacted an area with prior documented environmental distress:</b> <input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)	<input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation  <input type="checkbox"/> State-maintained Brownfield site list <b>OR</b> <input checked="" type="checkbox"/> Other documentation of prior environmental distress <ul style="list-style-type: none"> <li>• Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:  <input checked="" type="checkbox"/> Link: <a href="https://drive.google.com/open?id=0B4GkEW8yVGbffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYllsd00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYllsd00&amp;authuser=0</a> <input checked="" type="checkbox"/> Page number(s) in application: 65 <input type="checkbox"/> Link:
<b>Housing:</b>	<input type="checkbox"/> Appendix C list of disasters with concentrations of housing	<input type="checkbox"/> Link:



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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors <i>prior</i> to the Qualified Disaster</p> <p>- <i>Response must include at least one criterion</i></p> <p>- <i>For each criteria category selected, the corresponding data source and data documentation response must be provided</i></p>		
<p><b>Target Area Name: Marion County, Census Tract 307</b></p>		
<p><b>Criteria</b></p>	<p><b>Data Source</b></p>	<p><b>Data Documentation</b></p>
<p><input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there</p>	<p>damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <p><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></p> <p><input type="checkbox"/> HUD agrees with validity</p>	<p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
<ul style="list-style-type: none"> <li>- Response must include at least one criterion</li> <li>- For each criteria category selected, the corresponding data source and data documentation response must be provided</li> </ul>		
Target Area Name: Marion County, Census Tract 307		
Criteria	Data Source	Data Documentation
<p><b>Housing:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs</li> </ul>	<p><b>Currently running</b> a CDBG-DR or other recovery housing program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b></li> <li><input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.</li> </ul> <p><b>Not currently running</b> a CDBG-DR or other housing recovery program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b></li> <li><input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b></li> <li><input type="checkbox"/> A list of 20 addresses of units identified with remaining damage                             <ul style="list-style-type: none"> <li><input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Link:</li> <li><input type="checkbox"/> Page number(s) in application:</li> </ul>

**MID-URN SUMMARY CHECKLIST B**

Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Marion County, Census Tract 307		
Criteria	Data Source	Data Documentation
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, in or serving the most impacted and distressed target area(s) <b>AND</b></p> <p><input type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></p> <p><input type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</p>	<p><input type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</p> <p><b>AND</b></p> <p><input type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></p> <p><input type="checkbox"/> Y our explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Marion County, Census Tract 307	Criteria	Data Source
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></p> <p><u><b>AND demonstrate one of the following:</b></u></p> <p><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</p> <p><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></p> <p><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</p> <p><b>AND</b></p> <p><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</p>	<p><input type="checkbox"/> Unmet repair needs narrative for businesses:</p> <p><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></p> <p><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></p> <p><input type="checkbox"/> Addresses of businesses with continuing needs</p> <p><b>OR</b></p> <p><input type="checkbox"/> <i>Decreased revenues narrative for business(es):</i></p> <p><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></p> <p><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></p> <p><input type="checkbox"/> Names and addresses of impacted businesses</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Marion County, Census Tract 307		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <p><input checked="" type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</p>	<p><input checked="" type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</p> <ul style="list-style-type: none"> <li>• Iowa State University’s Daily Soil Erosion Project</li> <li>• Iowa Department of Agriculture and Land Stewardship 2015 Iowa Water Quality Initiative Legislative Report (Program Oversubscription)</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVA0QWgzSHc&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVA0QWgzSHc&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtM3psYXI4SV91N00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtM3psYXI4SV91N00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 66</p>



**MID-URN SUMMARY CHECKLIST B**

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<p><b>MOST IMPACTED CHARACTERISTICS:</b> considers the damage resulting from the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Monroe County, Census Tract 703</b></p>		
Criteria	Data Source	Data Documentation
<p><b>Housing damage due to eligible disaster:</b></p> <p><input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b></p> <p><input type="checkbox"/> Serious damage to a minimum of 20 homes</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <p><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></p> <p><input type="checkbox"/> HUD agrees with its validity</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater</p>	<p><input type="checkbox"/> An engineering report <b>OR</b></p> <p><input type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b></p> <p><input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b></p> <p><input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b></p> <p><input type="checkbox"/> Other harm to the economy due to the disaster</p>	<p><input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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<p><b>Environmental Degradation</b></p> <p><input checked="" type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input checked="" type="checkbox"/> Support with references to any studies supporting the claim of future risk</p> <ul style="list-style-type: none"> <li>• Iowa State University Iowa Learning Farms</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfnJLR3o2b2g5cIRTeUjvS29hdGVuMklUdTR0eTBIZ0YVGRlQUtQY095a2c&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfnJLR3o2b2g5cIRTeUjvS29hdGVuMklUdTR0eTBIZ0YVGRlQUtQY095a2c&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 68</p>
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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors prior to the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Monroe County, Census Tract 703</b></p>		
<p><b>Criteria</b></p> <p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p> <p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p> <p><input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b></p>	<p><b>Data Source</b></p> <p><input type="checkbox"/> CDBG low- and moderate-income summary data</p> <p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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<b>MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster</b>		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
<b>Target Area Name: Monroe County, Census Tract 703</b>		
Criteria	Data Source	Data Documentation
<input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against <b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria) <input type="checkbox"/> Tribal area <input type="checkbox"/> HUD Promise Zone site <input type="checkbox"/> HUD Strong Cities Strong Communities site <b>AND/OR</b> <input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate	<input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:
<b>Disaster impacted an area with prior documented environmental distress:</b> <input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)	<input type="checkbox"/> State-maintained Brownfield site list <b>OR</b> <input checked="" type="checkbox"/> Other documentation of prior environmental distress <ul style="list-style-type: none"> <li>• Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>	<input checked="" type="checkbox"/> Link: <a href="https://drive.google.com/open?id=0B4GkEW8yVGbffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUJkIQcl9PbU9NYl1sd00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUJkIQcl9PbU9NYl1sd00&amp;authuser=0</a> <input checked="" type="checkbox"/> Page number(s) in application: 68
<b>Housing:</b>	<input type="checkbox"/> Appendix C list of disasters with concentrations of housing	<input type="checkbox"/> Link:

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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors <i>prior</i> to the Qualified Disaster</p> <p>- <i>Response must include at least one criterion</i></p> <p>- <i>For each criteria category selected, the corresponding data source and data documentation response must be provided</i></p>		
<p><b>Target Area Name: Monroe County, Census Tract 703</b></p>		
<p><b>Criteria</b></p>	<p><b>Data Source</b></p>	<p><b>Data Documentation</b></p>
<p><input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there</p>	<p>damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <p><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></p> <p><input type="checkbox"/> HUD agrees with validity</p>	<p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
<ul style="list-style-type: none"> <li>- Response must include at least one criterion</li> <li>- For each criteria category selected, the corresponding data source and data documentation response must be provided</li> </ul>		
Target Area Name: Monroe County, Census Tract 703		
Criteria	Data Source	Data Documentation
<p><b>Housing:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs</li> </ul>	<p><b>Currently running</b> a CDBG-DR or other recovery housing program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b></li> <li><input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.</li> </ul> <p><b>Not currently running</b> a CDBG-DR or other housing recovery program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b></li> <li><input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b></li> <li><input type="checkbox"/> A list of 20 addresses of units identified with remaining damage                             <ul style="list-style-type: none"> <li><input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Link:</li> <li><input type="checkbox"/> Page number(s) in application:</li> </ul>



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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: <b>Monroe County, Census Tract 703</b>		
Criteria	Data Source	Data Documentation
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, in or serving the most impacted and distressed target area(s) <b>AND</b></p> <p><input type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></p> <p><input type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</p>	<p><input type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</p> <p><b>AND</b></p> <p><input type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></p> <p><input type="checkbox"/> Y our explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Monroe County, Census Tract 703	Criteria	Data Source
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></p> <p><b>AND demonstrate one of the following:</b></p> <p><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</p> <p><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></p> <p><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</p> <p><b>AND</b></p> <p><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</p>	<p><input type="checkbox"/> Unmet repair needs narrative for businesses:</p> <p><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></p> <p><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></p> <p><input type="checkbox"/> Addresses of businesses with continuing needs</p> <p><b>OR</b></p> <p><input type="checkbox"/> <i>Decreased revenues narrative for business(es):</i></p> <p><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></p> <p><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></p> <p><input type="checkbox"/> Names and addresses of impacted businesses</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Monroe County, Census Tract 703		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <p><input checked="" type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</p>	<p><input checked="" type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</p> <ul style="list-style-type: none"> <li>• Iowa State University’s Daily Soil Erosion Project</li> <li>• Iowa Department of Agriculture and Land Stewardship 2015 Iowa Water Quality Initiative Legislative Report (Program Oversubscription)</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVA0QWgzSHc&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVA0QWgzSHc&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfM3psYXI4SV91N00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfM3psYXI4SV91N00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 69</p>

**MID-URN SUMMARY CHECKLIST B**

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MOST IMPACTED CHARACTERISTICS: considers the damage resulting from the Qualified Disaster		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Ringgold County, Census Tract 9501		
Criteria	Data Source	Data Documentation
<p><b>Housing damage due to eligible disaster:</b></p> <input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b>	<input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b>	<input type="checkbox"/> Link:
<input type="checkbox"/> Serious damage to a minimum of 20 homes	<input type="checkbox"/> Local data: <input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b> <input type="checkbox"/> HUD agrees with its validity	<input type="checkbox"/> Page number(s) in application:
<p><b>Infrastructure:</b></p> <input type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater	<input type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b> <input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:
<p><b>Economic Revitalization:</b></p> <input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b> <input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b> <input type="checkbox"/> Other harm to the economy due to the disaster	<input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:

**MID-URN SUMMARY CHECKLIST B**

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<p><b>Environmental Degradation</b></p> <p><input checked="" type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input checked="" type="checkbox"/> Support with references to any studies supporting the claim of future risk</p> <ul style="list-style-type: none"> <li>• Iowa State University Iowa Learning Farms</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfnJLR3o2b2g5cIRTeUjvS29hdGVuMklUdTR0eTBIZ0YVGRlQUtQY095a2c&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfnJLR3o2b2g5cIRTeUjvS29hdGVuMklUdTR0eTBIZ0YVGRlQUtQY095a2c&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 71</p>
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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors prior to the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Ringgold County, Census Tract 9501</b></p>		
<p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p>	<p><b>Data Source</b></p> <p><input type="checkbox"/> CDBG low- and moderate-income summary data</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p> <p><input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b></p>	<p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>



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MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Ringgold County, Census Tract 9501		
Criteria	Data Source	Data Documentation
<input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against <b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria) <input type="checkbox"/> Tribal area <input type="checkbox"/> HUD Promise Zone site <input type="checkbox"/> HUD Strong Cities Strong Communities site <b>AND/OR</b> <input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate	<input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:
<b>Disaster impacted an area with prior documented environmental distress:</b> <input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)	<input type="checkbox"/> State-maintained Brownfield site list <b>OR</b> <input checked="" type="checkbox"/> Other documentation of prior environmental distress <ul style="list-style-type: none"> <li>• Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>	<input checked="" type="checkbox"/> Link: <a href="https://drive.google.com/open?id=0B4GkEW8yVGbffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYl1sd00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYl1sd00&amp;authuser=0</a> <input checked="" type="checkbox"/> Page number(s) in application: 71
<b>Housing:</b>	<input type="checkbox"/> Appendix C list of disasters with concentrations of housing	<input type="checkbox"/> Link:

**MID-URN SUMMARY CHECKLIST B**

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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors prior to the Qualified Disaster</p> <ul style="list-style-type: none"> <li>- Response must include at least one criterion</li> <li>- For each criteria category selected, the corresponding data source and data documentation response must be provided</li> </ul> <p><b>Target Area Name: Ringgold County, Census Tract 9501</b></p>		
Criteria	Data Source	Data Documentation
<input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there	damage meeting this requirement <b>OR</b> <input type="checkbox"/> Local data: <input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b> <input type="checkbox"/> HUD agrees with validity	<input type="checkbox"/> Page number(s) in application:

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UNMET RECOVERY NEED		
<ul style="list-style-type: none"> <li>- Response must include at least one criterion</li> <li>- For each criteria category selected, the corresponding data source and data documentation response must be provided</li> </ul>		
Target Area Name: Ringgold County, Census Tract 9501		
Criteria	Data Source	Data Documentation
<p><b>Housing:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs</li> </ul>	<p><u>Currently running</u> a CDBG-DR or other recovery housing program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b></li> <li><input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.</li> </ul> <p><u>Not currently running</u> a CDBG-DR or other housing recovery program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b></li> <li><input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b></li> <li><input type="checkbox"/> A list of 20 addresses of units identified with remaining damage                             <ul style="list-style-type: none"> <li><input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Link:</li> <li><input type="checkbox"/> Page number(s) in application:</li> </ul>

**MID-URN SUMMARY CHECKLIST B**

Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Ringgold County, Census Tract 9501		
Criteria	Data Source	Data Documentation
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, in or serving the most impacted and distressed target area(s) <b>AND</b></p> <p><input type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></p> <p><input type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</p>	<p><input type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</p> <p><b>AND</b></p> <p><input type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></p> <p><input type="checkbox"/> Your explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Ringgold County, Census Tract 9501		
Criteria	Data Source	Data Documentation
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></p> <p><b>AND demonstrate one of the following:</b></p> <p><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</p> <p><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></p> <p><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</p> <p><b>AND</b></p> <p><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</p>	<p><input type="checkbox"/> Unmet repair needs narrative for businesses:</p> <p><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></p> <p><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></p> <p><input type="checkbox"/> Addresses of businesses with continuing needs</p> <p><b>OR</b></p> <p><input type="checkbox"/> <i>Decreased revenues narrative for business(es):</i></p> <p><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></p> <p><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></p> <p><input type="checkbox"/> Names and addresses of impacted businesses</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>



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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Ringgold County, Census Tract 9501		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <p><input checked="" type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</p>	<p><input checked="" type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</p> <ul style="list-style-type: none"> <li>• Iowa State University’s Daily Soil Erosion Project</li> <li>• Iowa Department of Agriculture and Land Stewardship 2015 Iowa Water Quality Initiative Legislative Report (Program Oversubscription)</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVAA0QWgzSHc&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVAA0QWgzSHc&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfM3psYXI4SV91N00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfM3psYXI4SV91N00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 72</p>

**MID-URN SUMMARY CHECKLIST B**

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<p><b>MOST IMPACTED CHARACTERISTICS:</b> considers the damage resulting from the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Cherokee County, Census Tract 803</b></p>		
Criteria	Data Source	Data Documentation
<p><b>Housing damage due to eligible disaster:</b></p> <p><input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b></p> <p><input type="checkbox"/> Serious damage to a minimum of 20 homes</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <p><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></p> <p><input type="checkbox"/> HUD agrees with its validity</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater</p>	<p><input type="checkbox"/> An engineering report <b>OR</b></p> <p><input type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b></p> <p><input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b></p> <p><input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b></p> <p><input type="checkbox"/> Other harm to the economy due to the disaster</p>	<p><input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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<p><b>Environmental Degradation</b></p> <p><input checked="" type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input checked="" type="checkbox"/> Support with references to any studies supporting the claim of future risk</p> <ul style="list-style-type: none"> <li>• Iowa State University Iowa Learning Farms</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfmxFS1VYVWV3bjJ5NnNQdmVNZlIdDaVZFcEdDLUIHZVpPbV9Udimk4RGVEWU&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfmxFS1VYVWV3bjJ5NnNQdmVNZlIdDaVZFcEdDLUIHZVpPbV9Udimk4RGVEWU&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 74</p>
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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors prior to the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Cherokee County, Census Tract 803</b></p>		
<p><b>Criteria</b></p> <p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p> <p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p>	<p><b>Data Source</b></p> <p><input type="checkbox"/> CDBG low- and moderate-income summary data</p> <p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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<b>MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster</b> - Response must include at least one criterion - For each criteria category selected, the corresponding data source and data documentation response must be provided <b>Target Area Name: Cherokee County, Census Tract 803</b>		
Criteria	Data Source	Data Documentation
<input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b> <input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against		
<b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria) <input type="checkbox"/> Tribal area <input type="checkbox"/> HUD Promise Zone site <input type="checkbox"/> HUD Strong Cities Strong Communities site <b>AND/OR</b> <input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate	<input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:

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MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Cherokee County, Census Tract 803		
Criteria	Data Source	Data Documentation
<p><b>Disaster impacted an area with prior documented environmental distress:</b></p> <p><input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)</p>	<p><input type="checkbox"/> State-maintained Brownfield site list <b>OR</b></p> <p><input checked="" type="checkbox"/> Other documentation of prior environmental distress</p> <ul style="list-style-type: none"> <li>Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY11UJkIQcl9PbU9NYlIsd00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY11UJkIQcl9PbU9NYlIsd00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 74</p>
<p><b>Housing:</b></p> <p><input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></li> <li><input type="checkbox"/> HUD agrees with validity</li> </ul>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>



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UNMET RECOVERY NEED		
<ul style="list-style-type: none"> <li>- Response must include at least one criterion</li> <li>- For each criteria category selected, the corresponding data source and data documentation response must be provided</li> </ul>		
Target Area Name: Cherokee County, Census Tract 803		
Criteria	Data Source	Data Documentation
<p><b>Housing:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs</li> </ul>	<p><u>Currently running</u> a CDBG-DR or other recovery housing program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b></li> <li><input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.</li> </ul> <p><u>Not currently running</u> a CDBG-DR or other housing recovery program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b></li> <li><input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b></li> <li><input type="checkbox"/> A list of 20 addresses of units identified with remaining damage                             <ul style="list-style-type: none"> <li><input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Link:</li> <li><input type="checkbox"/> Page number(s) in application:</li> </ul>

**MID-URN SUMMARY CHECKLIST B**

Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Cherokee County, Census Tract 803		
Criteria	Data Source	Data Documentation
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, in or serving the most impacted and distressed target area(s) <b>AND</b></p> <p><input type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></p> <p><input type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</p>	<p><input type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</p> <p><b>AND</b></p> <p><input type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></p> <p><input type="checkbox"/> Your explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Cherokee County, Census Tract 803		
Criteria	Data Source	Data Documentation
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></p> <p><b>AND demonstrate one of the following:</b></p> <p><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</p> <p><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></p> <p><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</p> <p><b>AND</b></p> <p><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</p>	<p><input type="checkbox"/> Unmet repair needs narrative for businesses:</p> <p><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></p> <p><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></p> <p><input type="checkbox"/> Addresses of businesses with continuing needs</p> <p><b>OR</b></p> <p><input type="checkbox"/> <i>Decreased revenues narrative for business(es):</i></p> <p><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></p> <p><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></p> <p><input type="checkbox"/> Names and addresses of impacted businesses</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Cherokee County, Census Tract 803		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <p><input checked="" type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</p>	<p><input checked="" type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</p> <ul style="list-style-type: none"> <li>• Iowa State University’s Daily Soil Erosion Project</li> <li>• Iowa Department of Agriculture and Land Stewardship 2015 Iowa Water Quality Initiative Legislative Report (Program Oversubscription)</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJfFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVAQWgzSHc&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJfFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVAQWgzSHc&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfM3psYXI4SV91N00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfM3psYXI4SV91N00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 75</p>

**MID-URN SUMMARY CHECKLIST B**

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<p><b>MOST IMPACTED CHARACTERISTICS:</b> considers the damage resulting from the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Jasper County, Census Tract 401</b></p>		
Criteria	Data Source	Data Documentation
<p><b>Housing damage due to eligible disaster:</b></p> <p><input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b></p> <p><input type="checkbox"/> Serious damage to a minimum of 20 homes</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <p><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></p> <p><input type="checkbox"/> HUD agrees with its validity</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater</p>	<p><input type="checkbox"/> An engineering report <b>OR</b></p> <p><input type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b></p> <p><input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b></p> <p><input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b></p> <p><input type="checkbox"/> Other harm to the economy due to the disaster</p>	<p><input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>



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<p><b>Environmental Degradation</b></p> <p><input checked="" type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input checked="" type="checkbox"/> Support with references to any studies supporting the claim of future risk</p> <ul style="list-style-type: none"> <li>• Iowa State University Iowa Learning Farms</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfmxFS1VYVWV3bjJ5NnNQdmVNZlIdDaVZFcEdDLUIHZVpPbV9Udimk4RGVEWU&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfmxFS1VYVWV3bjJ5NnNQdmVNZlIdDaVZFcEdDLUIHZVpPbV9Udimk4RGVEWU&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 77</p>
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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors prior to the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Jasper County, Census Tract 401</b></p>		
<p><b>Criteria</b></p> <p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p> <p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p>	<p><b>Data Source</b></p> <p><input type="checkbox"/> CDBG low- and moderate-income summary data</p> <p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

**MID-URN SUMMARY CHECKLIST B**

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<b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors <i>prior</i> to the Qualified Disaster - <i>Response must include at least one criterion</i> - <i>For each criteria category selected, the corresponding data source and data documentation response must be provided</i>		
<b>Target Area Name: Jasper County, Census Tract 401</b>		
Criteria	Data Source	Data Documentation
<input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b> <input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against		
<b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria) <input type="checkbox"/> Tribal area <input type="checkbox"/> HUD Promise Zone site <input type="checkbox"/> HUD Strong Cities Strong Communities site <b>AND/OR</b> <input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate	<input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:

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MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Jasper County, Census Tract 401		
Criteria	Data Source	Data Documentation
<p><b>Disaster impacted an area with prior documented environmental distress:</b></p> <p><input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)</p>	<p><input type="checkbox"/> State-maintained Brownfield site list <b>OR</b></p> <p><input checked="" type="checkbox"/> Other documentation of prior environmental distress</p> <ul style="list-style-type: none"> <li>Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYlIsd00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYlIsd00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 77</p>
<p><b>Housing:</b></p> <p><input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <ul style="list-style-type: none"> <li>Data shows concentrated damage meeting standard, <b>AND</b></li> <li>HUD agrees with validity</li> </ul>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
<ul style="list-style-type: none"> <li>- Response must include at least one criterion</li> <li>- For each criteria category selected, the corresponding data source and data documentation response must be provided</li> </ul>		
Target Area Name: Jasper County, Census Tract 401		
Criteria	Data Source	Data Documentation
<p><b>Housing:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs</li> </ul>	<p><b>Currently running</b> a CDBG-DR or other recovery housing program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b></li> <li><input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.</li> </ul> <p><b>Not currently running</b> a CDBG-DR or other housing recovery program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b></li> <li><input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b></li> <li><input type="checkbox"/> A list of 20 addresses of units identified with remaining damage                             <ul style="list-style-type: none"> <li><input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Link:</li> <li><input type="checkbox"/> Page number(s) in application:</li> </ul>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Jasper County, Census Tract 401		
Criteria	Data Source	Data Documentation
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, in or serving the most impacted and distressed target area(s) <b>AND</b></p> <p><input type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></p> <p><input type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</p>	<p><input type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</p> <p><b>AND</b></p> <p><input type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></p> <p><input type="checkbox"/> Y our explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>



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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Jasper County, Census Tract 401	Data Source	Data Documentation
<p><b>Criteria</b></p> <p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></p> <p><b>AND demonstrate one of the following:</b></p> <p><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</p> <p><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></p> <p><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</p> <p><b>AND</b></p> <p><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</p>	<p><input type="checkbox"/> Unmet repair needs narrative for businesses:</p> <p><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></p> <p><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></p> <p><input type="checkbox"/> Addresses of businesses with continuing needs</p> <p><b>OR</b></p> <p><input type="checkbox"/> <i>Decreased revenues narrative for business(es):</i></p> <p><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></p> <p><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></p> <p><input type="checkbox"/> Names and addresses of impacted businesses</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Jasper County, Census Tract 401		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <p><input checked="" type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</p>	<p><input checked="" type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</p> <ul style="list-style-type: none"> <li>• Iowa State University’s Daily Soil Erosion Project</li> <li>• Iowa Department of Agriculture and Land Stewardship 2015 Iowa Water Quality Initiative Legislative Report (Program Oversubscription)</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVA0QWgzSHc&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVA0QWgzSHc&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtM3psYXI4SV91N00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtM3psYXI4SV91N00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 78</p>

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MOST IMPACTED CHARACTERISTICS: considers the damage resulting from the Qualified Disaster		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: <b>Marshall County, Census Tract 9501</b>		
Criteria	Data Source	Data Documentation
<p><b>Housing damage due to eligible disaster:</b></p> <input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b>	<input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b>	<input type="checkbox"/> Link:
<input type="checkbox"/> Serious damage to a minimum of 20 homes	<input type="checkbox"/> Local data: <input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b> <input type="checkbox"/> HUD agrees with its validity	<input type="checkbox"/> Page number(s) in application:
<p><b>Infrastructure:</b></p> <input type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater	<input type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b> <input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:
<p><b>Economic Revitalization:</b></p> <input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b> <input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b> <input type="checkbox"/> Other harm to the economy due to the disaster	<input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:

**MID-URN SUMMARY CHECKLIST B**

Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

<p><b>Environmental Degradation</b></p> <p><input checked="" type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input checked="" type="checkbox"/> Support with references to any studies supporting the claim of future risk</p> <ul style="list-style-type: none"> <li>• Iowa State University Iowa Learning Farms</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfmxFS1VYVWV3bjJ5NnNQdmVNZlIdDaVZFcEdDLUIHZVpPbV9Udimk4RGVEWU&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfmxFS1VYVWV3bjJ5NnNQdmVNZlIdDaVZFcEdDLUIHZVpPbV9Udimk4RGVEWU&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 80</p>
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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors prior to the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Marshall County, Census Tract 9501</b></p>		
<p><b>Criteria</b></p> <p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p> <p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p>	<p><b>Data Source</b></p> <p><input type="checkbox"/> CDBG low- and moderate-income summary data</p> <p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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<b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors prior to the Qualified Disaster - Response must include at least one criterion - For each criteria category selected, the corresponding data source and data documentation response must be provided <b>Target Area Name: Marshall County, Census Tract 9501</b>		
Criteria	Data Source	Data Documentation
<input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b> <input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against		
<b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria) <input type="checkbox"/> Tribal area <input type="checkbox"/> HUD Promise Zone site <input type="checkbox"/> HUD Strong Cities Strong Communities site <b>AND/OR</b> <input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate	<input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:



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MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Marshall County, Census Tract 9501		
Criteria	Data Source	Data Documentation
<p><b>Disaster impacted an area with prior documented environmental distress:</b></p> <p><input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)</p>	<p><input type="checkbox"/> State-maintained Brownfield site list <b>OR</b></p> <p><input checked="" type="checkbox"/> Other documentation of prior environmental distress</p> <ul style="list-style-type: none"> <li>Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYlIsd00&amp;authuset=0">https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYlIsd00&amp;authuset=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 80</p>
<p><b>Housing:</b></p> <p><input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <ul style="list-style-type: none"> <li>Data shows concentrated damage meeting standard, <b>AND</b></li> <li>HUD agrees with validity</li> </ul>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
<ul style="list-style-type: none"> <li>- Response must include at least one criterion</li> <li>- For each criteria category selected, the corresponding data source and data documentation response must be provided</li> </ul>		
Target Area Name: Marshall County, Census Tract 9501		
Criteria	Data Source	Data Documentation
<p><b>Housing:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs</li> </ul>	<p><u>Currently running</u> a CDBG-DR or other recovery housing program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b></li> <li><input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.</li> </ul> <p><u>Not currently</u> running a CDBG-DR or other housing recovery program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b></li> <li><input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b></li> <li><input type="checkbox"/> A list of 20 addresses of units identified with remaining damage                             <ul style="list-style-type: none"> <li><input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Link:</li> <li><input type="checkbox"/> Page number(s) in application:</li> </ul>

**MID-URN SUMMARY CHECKLIST B**

Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: <b>Marshall County, Census Tract 9501</b>		
Criteria	Data Source	Data Documentation
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, in or serving the most impacted and distressed target area(s) <b>AND</b></p> <p><input type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></p> <p><input type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</p>	<p><input type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</p> <p><b>AND</b></p> <p><input type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></p> <p><input type="checkbox"/> Your explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Marshall County, Census Tract 9501		
Criteria	Data Source	Data Documentation
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></p> <p><b>AND demonstrate one of the following:</b></p> <p><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</p> <p><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></p> <p><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</p> <p><b>AND</b></p> <p><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</p>	<p><input type="checkbox"/> Unmet repair needs narrative for businesses:</p> <p><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></p> <p><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></p> <p><input type="checkbox"/> Addresses of businesses with continuing needs</p> <p><b>OR</b></p> <p><input type="checkbox"/> <i>Decreased revenues narrative for business(es):</i></p> <p><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></p> <p><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></p> <p><input type="checkbox"/> Names and addresses of impacted businesses</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Marshall County, Census Tract 9501		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <p><input checked="" type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</p>	<p><input checked="" type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</p> <ul style="list-style-type: none"> <li>• Iowa State University’s Daily Soil Erosion Project</li> <li>• Iowa Department of Agriculture and Land Stewardship 2015 Iowa Water Quality Initiative Legislative Report (Program Oversubscription)</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJfFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVAA0QWgzSHc&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJfFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVAA0QWgzSHc&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfM3psYXI4SV91N00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfM3psYXI4SV91N00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 81</p>



**MID-URN SUMMARY CHECKLIST B**

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MOST IMPACTED CHARACTERISTICS: considers the damage resulting from the Qualified Disaster		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Marshall County, Census Tract 9502		
Criteria	Data Source	Data Documentation
<p><b>Housing damage due to eligible disaster:</b></p> <input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b>	<input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b>	<input type="checkbox"/> Link:
<input type="checkbox"/> Serious damage to a minimum of 20 homes	<input type="checkbox"/> Local data: <input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b> <input type="checkbox"/> HUD agrees with its validity	<input type="checkbox"/> Page number(s) in application:
<p><b>Infrastructure:</b></p> <input type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater	<input type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b> <input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:
<p><b>Economic Revitalization:</b></p> <input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b> <input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b> <input type="checkbox"/> Other harm to the economy due to the disaster	<input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:

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<p><b>Environmental Degradation</b></p> <p><input checked="" type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input checked="" type="checkbox"/> Support with references to any studies supporting the claim of future risk</p> <ul style="list-style-type: none"> <li>• Iowa State University Iowa Learning Farms</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfmxFS1VYVWV3bjJ5NnNQdmVNZlIdDaVZFcEdDLUIHZVpPbV9Udimk4RGVEWU&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfmxFS1VYVWV3bjJ5NnNQdmVNZlIdDaVZFcEdDLUIHZVpPbV9Udimk4RGVEWU&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 83</p>
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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors prior to the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Marshall County, Census Tract 9502</b></p>		
<p><b>Criteria</b></p>		
<p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p>	<p><input type="checkbox"/> CDBG low- and moderate-income summary data</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p>	<p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

**MID-URN SUMMARY CHECKLIST B**

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<b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors <i>prior</i> to the Qualified Disaster - Response must include at least one criterion - For each criteria category selected, the corresponding data source and data documentation response must be provided <b>Target Area Name: Marshall County, Census Tract 9502</b>		
Criteria	Data Source	Data Documentation
<input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b> <input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against		
<b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria) <input type="checkbox"/> Tribal area <input type="checkbox"/> HUD Promise Zone site <input type="checkbox"/> HUD Strong Cities Strong Communities site <b>AND/OR</b> <input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate	<input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:

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MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Marshall County, Census Tract 9502		
Criteria	Data Source	Data Documentation
<p><b>Disaster impacted an area with prior documented environmental distress:</b></p> <p><input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)</p>	<p><input type="checkbox"/> State-maintained Brownfield site list <b>OR</b></p> <p><input checked="" type="checkbox"/> Other documentation of prior environmental distress</p> <ul style="list-style-type: none"> <li>Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY11UJkIQcl9PbU9NYlIsd00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY11UJkIQcl9PbU9NYlIsd00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 83</p>
<p><b>Housing:</b></p> <p><input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <ul style="list-style-type: none"> <li>Data shows concentrated damage meeting standard, <b>AND</b></li> <li>HUD agrees with validity</li> </ul>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Marshall County, Census Tract 9502		
Criteria	Data Source	Data Documentation
<p><b>Housing:</b></p> <p><input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs</p> <p><b>OR</b></p> <p><input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs</p>	<p><b>Currently running</b> a CDBG-DR or other recovery housing program:</p> <p><input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b></p> <p><input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.</p> <p><b>Not currently running</b> a CDBG-DR or other housing recovery program:</p> <p><input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b></p> <p><input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster</p> <p><b>OR</b></p> <p><input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b></p> <p><input type="checkbox"/> A list of 20 addresses of units identified with remaining damage</p> <p><input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>



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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: <b>Marshall County, Census Tract 9502</b>		
Criteria	Data Source	Data Documentation
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, in or serving the most impacted and distressed target area(s) <b>AND</b></p> <p><input type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></p> <p><input type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</p>	<p><input type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</p> <p><b>AND</b></p> <p><input type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></p> <p><input type="checkbox"/> Your explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

**MID-URN SUMMARY CHECKLIST B**

Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Marshall County, Census Tract 9502	Data Source	Data Documentation
<p><b>Criteria</b></p> <p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></p> <p><b>AND demonstrate one of the following:</b></p> <p><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</p> <p><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></p> <p><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</p> <p><b>AND</b></p> <p><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</p>	<p><input type="checkbox"/> Unmet repair needs narrative for businesses:</p> <p><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></p> <p><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></p> <p><input type="checkbox"/> Addresses of businesses with continuing needs</p> <p><b>OR</b></p> <p><input type="checkbox"/> <i>Decreased revenues narrative for business(es):</i></p> <p><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></p> <p><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></p> <p><input type="checkbox"/> Names and addresses of impacted businesses</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

**MID-URN SUMMARY CHECKLIST B**

Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Marshall County, Census Tract 9502		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <p><input checked="" type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</p>	<p><input checked="" type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</p> <ul style="list-style-type: none"> <li>• Iowa State University’s Daily Soil Erosion Project</li> <li>• Iowa Department of Agriculture and Land Stewardship 2015 Iowa Water Quality Initiative Legislative Report (Program Oversubscription)</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauDdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVAA0QWgzSHc&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauDdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVAA0QWgzSHc&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtM3psYXI4SV91N00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtM3psYXI4SV91N00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 84</p>

**MID-URN SUMMARY CHECKLIST B**

Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

<p><b>MOST IMPACTED CHARACTERISTICS:</b> considers the damage resulting from the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Marshall County, Census Tract 9503</b></p>		
Criteria	Data Source	Data Documentation
<p><b>Housing damage due to eligible disaster:</b></p> <p><input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b></p> <p><input type="checkbox"/> Serious damage to a minimum of 20 homes</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <p><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></p> <p><input type="checkbox"/> HUD agrees with its validity</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater</p>	<p><input type="checkbox"/> An engineering report <b>OR</b></p> <p><input type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b></p> <p><input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b></p> <p><input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b></p> <p><input type="checkbox"/> Other harm to the economy due to the disaster</p>	<p><input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

**MID-URN SUMMARY CHECKLIST B**

Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

<p><b>Environmental Degradation</b></p> <p><input checked="" type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input checked="" type="checkbox"/> Support with references to any studies supporting the claim of future risk</p> <ul style="list-style-type: none"> <li>• Iowa State University Iowa Learning Farms</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfmxFS1VYVWV3bjJ5NnNQdmVNZIdDaVZFcEdDLUIHZVpPbV9Udimk4RGVEWU&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfmxFS1VYVWV3bjJ5NnNQdmVNZIdDaVZFcEdDLUIHZVpPbV9Udimk4RGVEWU&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 86</p>
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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors prior to the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Marshall County, Census Tract 9503</b></p>		
<p><b>Criteria</b></p>		
<p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p>	<p><input type="checkbox"/> CDBG low- and moderate-income summary data</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p>	<p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>



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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors prior to the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p> <p><b>Target Area Name: Marshall County, Census Tract 9503</b></p>		
Criteria	Data Source	Data Documentation
<p><input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b></p> <p><input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against</p> <p><b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria)</p> <p><input type="checkbox"/> Tribal area</p> <p><input type="checkbox"/> HUD Promise Zone site</p> <p><input type="checkbox"/> HUD Strong Cities Strong Communities site</p> <p><b>AND/OR</b></p> <p><input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate</p>	<p><input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Marshall County, Census Tract 9503		
Criteria	Data Source	Data Documentation
<p><b>Disaster impacted an area with prior documented environmental distress:</b></p> <p><input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)</p>	<p><input type="checkbox"/> State-maintained Brownfield site list <b>OR</b></p> <p><input checked="" type="checkbox"/> Other documentation of prior environmental distress</p> <ul style="list-style-type: none"> <li>Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYlIsd00&amp;authuset=0">https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYlIsd00&amp;authuset=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 86</p>
<p><b>Housing:</b></p> <p><input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <ul style="list-style-type: none"> <li>Data shows concentrated damage meeting standard, <b>AND</b></li> <li>HUD agrees with validity</li> </ul>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Marshall County, Census Tract 9503		
Criteria	Data Source	Data Documentation
<p><b>Housing:</b></p> <p><input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs</p> <p><b>OR</b></p> <p><input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs</p>	<p><b>Currently running</b> a CDBG-DR or other recovery housing program:</p> <p><input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b></p> <p><input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.</p> <p><b>Not currently running</b> a CDBG-DR or other housing recovery program:</p> <p><input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b></p> <p><input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster</p> <p><b>OR</b></p> <p><input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b></p> <p><input type="checkbox"/> A list of 20 addresses of units identified with remaining damage</p> <p><input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: <b>Marshall County, Census Tract 9503</b>		
Criteria	Data Source	Data Documentation
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, in or serving the most impacted and distressed target area(s) <b>AND</b></p> <p><input type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></p> <p><input type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</p>	<p><input type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</p> <p><b>AND</b></p> <p><input type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></p> <p><input type="checkbox"/> Y our explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Marshall County, Census Tract 9503	Data Source	Data Documentation
<p><b>Criteria</b></p> <p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></p> <p><b>AND demonstrate one of the following:</b></p> <p><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</p> <p><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></p> <p><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</p> <p><b>AND</b></p> <p><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</p>	<p><input type="checkbox"/> Unmet repair needs narrative for businesses:</p> <p><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></p> <p><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></p> <p><input type="checkbox"/> Addresses of businesses with continuing needs</p> <p><b>OR</b></p> <p><input type="checkbox"/> <i>Decreased revenues narrative for business(es):</i></p> <p><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></p> <p><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></p> <p><input type="checkbox"/> Names and addresses of impacted businesses</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>



**MID-URN SUMMARY CHECKLIST B**

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Marshall County, Census Tract 9503		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <p><input checked="" type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</p>	<p><input checked="" type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</p> <ul style="list-style-type: none"> <li>• Iowa State University’s Daily Soil Erosion Project</li> <li>• Iowa Department of Agriculture and Land Stewardship 2015 Iowa Water Quality Initiative Legislative Report (Program Oversubscription)</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauDdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVAA0QWgzSHc&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauDdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVAA0QWgzSHc&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtM3psYXI4SV91N00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtM3psYXI4SV91N00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 87</p>

**MID-URN SUMMARY CHECKLIST B**

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MOST IMPACTED CHARACTERISTICS: considers the damage resulting from the Qualified Disaster		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Marshall County, Census Tract 9504		
Criteria	Data Source	Data Documentation
<p><b>Housing damage due to eligible disaster:</b></p> <input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b>	<input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b>	<input type="checkbox"/> Link:
<input type="checkbox"/> Serious damage to a minimum of 20 homes	<input type="checkbox"/> Local data: <input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b> <input type="checkbox"/> HUD agrees with its validity	<input type="checkbox"/> Page number(s) in application:
<p><b>Infrastructure:</b></p> <input type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater	<input type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b> <input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:
<p><b>Economic Revitalization:</b></p> <input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b> <input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b> <input type="checkbox"/> Other harm to the economy due to the disaster	<input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:

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<p><b>Environmental Degradation</b></p> <p><input checked="" type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input checked="" type="checkbox"/> Support with references to any studies supporting the claim of future risk</p> <ul style="list-style-type: none"> <li>• Iowa State University Iowa Learning Farms</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfmxFS1VYVWV3bjJ5NnNQdmVNZlIdDaVZFcEdDLUIHZVpPbV9Udimk4RGVEWU&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfmxFS1VYVWV3bjJ5NnNQdmVNZlIdDaVZFcEdDLUIHZVpPbV9Udimk4RGVEWU&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 89</p>
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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors prior to the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Marshall County, Census Tract 9504</b></p>		
<p><b>Criteria</b></p> <p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p> <p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p>	<p><b>Data Source</b></p> <p><input type="checkbox"/> CDBG low- and moderate-income summary data</p> <p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors prior to the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p> <p><b>Target Area Name: Marshall County, Census Tract 9504</b></p>		
Criteria	Data Source	Data Documentation
<p><input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b></p> <p><input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against</p> <p><b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria)</p> <p><input type="checkbox"/> Tribal area</p> <p><input type="checkbox"/> HUD Promise Zone site</p> <p><input type="checkbox"/> HUD Strong Cities Strong Communities site</p> <p><b>AND/OR</b></p> <p><input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate</p>	<p><input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Marshall County, Census Tract 9504		
Criteria	Data Source	Data Documentation
<p><b>Disaster impacted an area with prior documented environmental distress:</b></p> <p><input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)</p>	<p><input type="checkbox"/> State-maintained Brownfield site list <b>OR</b></p> <p><input checked="" type="checkbox"/> Other documentation of prior environmental distress</p> <ul style="list-style-type: none"> <li>• Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY11UJkIQcl9PbU9NYlIsd00&amp;authuset=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY11UJkIQcl9PbU9NYlIsd00&amp;authuset=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 89</p>
<p><b>Housing:</b></p> <p><input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></li> <li><input type="checkbox"/> HUD agrees with validity</li> </ul>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>



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UNMET RECOVERY NEED		
<ul style="list-style-type: none"> <li>- Response must include at least one criterion</li> <li>- For each criteria category selected, the corresponding data source and data documentation response must be provided</li> </ul>		
Target Area Name: Marshall County, Census Tract 9504		
Criteria	Data Source	Data Documentation
<p><b>Housing:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs</li> </ul>	<p><b>Currently running</b> a CDBG-DR or other recovery housing program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b></li> <li><input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.</li> </ul> <p><b>Not currently running</b> a CDBG-DR or other housing recovery program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b></li> <li><input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b></li> <li><input type="checkbox"/> A list of 20 addresses of units identified with remaining damage                             <ul style="list-style-type: none"> <li><input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Link:</li> <li><input type="checkbox"/> Page number(s) in application:</li> </ul>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Marshall County, Census Tract 9504		
Criteria	Data Source	Data Documentation
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, in or serving the most impacted and distressed target area(s) <b>AND</b></p> <p><input type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></p> <p><input type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</p>	<p><input type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</p> <p><b>AND</b></p> <p><input type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></p> <p><input type="checkbox"/> Your explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Marshall County, Census Tract 9504	Criteria	Data Source
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></p> <p><b>AND demonstrate one of the following:</b></p> <p><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</p> <p><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></p> <p><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</p> <p><b>AND</b></p> <p><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</p>	<p><input type="checkbox"/> Unmet repair needs narrative for businesses:</p> <p><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></p> <p><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></p> <p><input type="checkbox"/> Addresses of businesses with continuing needs</p> <p><b>OR</b></p> <p><input type="checkbox"/> <i>Decreased revenues narrative for business(es):</i></p> <p><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></p> <p><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></p> <p><input type="checkbox"/> Names and addresses of impacted businesses</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Marshall County, Census Tract 9504		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <p><input checked="" type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</p>	<p><input checked="" type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</p> <ul style="list-style-type: none"> <li>• Iowa State University’s Daily Soil Erosion Project</li> <li>• Iowa Department of Agriculture and Land Stewardship 2015 Iowa Water Quality Initiative Legislative Report (Program Oversubscription)</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVA0QWgzSHc&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVA0QWgzSHc&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfM3psYXI4SV91N00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfM3psYXI4SV91N00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 90</p>

**MID-URN SUMMARY CHECKLIST B**

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<p><b>MOST IMPACTED CHARACTERISTICS:</b> considers the damage resulting from the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Poweshiek County, Census Tract 3702</b></p>		
Criteria	Data Source	Data Documentation
<p><b>Housing damage due to eligible disaster:</b></p> <p><input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b></p> <p><input type="checkbox"/> Serious damage to a minimum of 20 homes</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <p><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></p> <p><input type="checkbox"/> HUD agrees with its validity</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater</p>	<p><input type="checkbox"/> An engineering report <b>OR</b></p> <p><input type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b></p> <p><input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b></p> <p><input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b></p> <p><input type="checkbox"/> Other harm to the economy due to the disaster</p>	<p><input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>



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<p><b>Environmental Degradation</b></p> <p><input checked="" type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input checked="" type="checkbox"/> Support with references to any studies supporting the claim of future risk</p> <ul style="list-style-type: none"> <li>• Iowa State University Iowa Learning Farms</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfmxFS1VYVWV3bjJ5NnNQdmVNZIdDaVZFcEdDLUIHZVpPbV9Udimk4RGVEWU&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfmxFS1VYVWV3bjJ5NnNQdmVNZIdDaVZFcEdDLUIHZVpPbV9Udimk4RGVEWU&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 92</p>
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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors prior to the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Poweshiek County, Census Tract 3702</b></p>		
<p><b>Criteria</b></p> <p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p> <p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p>	<p><b>Data Source</b></p> <p><input type="checkbox"/> CDBG low- and moderate-income summary data</p> <p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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<b>MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster</b> - Response must include at least one criterion - For each criteria category selected, the corresponding data source and data documentation response must be provided <b>Target Area Name: Poweshiek County, Census Tract 3702</b>		
Criteria	Data Source	Data Documentation
<input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b> <input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against		
<b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria) <input type="checkbox"/> Tribal area <input type="checkbox"/> HUD Promise Zone site <input type="checkbox"/> HUD Strong Cities Strong Communities site <b>AND/OR</b> <input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate	<input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:

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MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster		
<ul style="list-style-type: none"> <li>- Response must include at least one criterion</li> <li>- For each criteria category selected, the corresponding data source and data documentation response must be provided</li> </ul>		
Target Area Name: Poweshiek County, Census Tract 3702		
Criteria	Data Source	Data Documentation
<p><b>Disaster impacted an area with prior documented environmental distress:</b></p> <p><input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)</p>	<p><input type="checkbox"/> State-maintained Brownfield site list <b>OR</b></p> <p><input checked="" type="checkbox"/> Other documentation of prior environmental distress</p> <ul style="list-style-type: none"> <li>• Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY11UJkIQcl9PbU9NYlIsd00&amp;authuset=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY11UJkIQcl9PbU9NYlIsd00&amp;authuset=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 92</p>
<p><b>Housing:</b></p> <p><input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></li> <li><input type="checkbox"/> HUD agrees with validity</li> </ul>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Poweshiek County, Census Tract 3702		
Criteria	Data Source	Data Documentation
<p><b>Housing:</b></p> <p><input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs</p> <p><b>OR</b></p> <p><input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs</p>	<p><b>Currently running</b> a CDBG-DR or other recovery housing program:</p> <p><input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b></p> <p><input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.</p> <p><b>Not currently running</b> a CDBG-DR or other housing recovery program:</p> <p><input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b></p> <p><input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster</p> <p><b>OR</b></p> <p><input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b></p> <p><input type="checkbox"/> A list of 20 addresses of units identified with remaining damage</p> <p><input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Poweshiek County, Census Tract 3702		
Criteria	Data Source	Data Documentation
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, in or serving the most impacted and distressed target area(s) <b>AND</b></p> <p><input type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></p> <p><input type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</p>	<p><input type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</p> <p><b>AND</b></p> <p><input type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></p> <p><input type="checkbox"/> Y our explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>



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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Poweshiek County, Census Tract 3702		
Criteria	Data Source	Data Documentation
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></p> <p><b>AND demonstrate one of the following:</b></p> <p><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</p> <p><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></p> <p><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</p> <p><b>AND</b></p> <p><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</p>	<p><input type="checkbox"/> Unmet repair needs narrative for businesses:</p> <p><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></p> <p><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></p> <p><input type="checkbox"/> Addresses of businesses with continuing needs</p> <p><b>OR</b></p> <p><input type="checkbox"/> <i>Decreased revenues narrative for business(es):</i></p> <p><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></p> <p><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></p> <p><input type="checkbox"/> Names and addresses of impacted businesses</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

**MID-URN SUMMARY CHECKLIST B**

Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Poweshiek County, Census Tract 3702		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <p><input checked="" type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</p>	<p><input checked="" type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</p> <ul style="list-style-type: none"> <li>• Iowa State University’s Daily Soil Erosion Project</li> <li>• Iowa Department of Agriculture and Land Stewardship 2015 Iowa Water Quality Initiative Legislative Report (Program Oversubscription)</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRRHaUdSLTJfFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVAQWgzSHc&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRRHaUdSLTJfFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVAQWgzSHc&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfM3psYXI4SV91N00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfM3psYXI4SV91N00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 93</p>

**MID-URN SUMMARY CHECKLIST B**

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MOST IMPACTED CHARACTERISTICS: considers the damage resulting from the Qualified Disaster		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Poweshiek County, Census Tract 3705		
Criteria	Data Source	Data Documentation
<p><b>Housing damage due to eligible disaster:</b></p> <input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b>	<input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b>	<input type="checkbox"/> Link:
<input type="checkbox"/> Serious damage to a minimum of 20 homes	<input type="checkbox"/> Local data: <input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b> <input type="checkbox"/> HUD agrees with its validity	<input type="checkbox"/> Page number(s) in application:
<p><b>Infrastructure:</b></p> <input type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater	<input type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b> <input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:
<p><b>Economic Revitalization:</b></p> <input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b> <input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b> <input type="checkbox"/> Other harm to the economy due to the disaster	<input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:

**MID-URN SUMMARY CHECKLIST B**

Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

<p><b>Environmental Degradation</b></p> <p><input checked="" type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input checked="" type="checkbox"/> Support with references to any studies supporting the claim of future risk</p> <ul style="list-style-type: none"> <li>• Iowa State University Iowa Learning Farms</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfmxFS1VYVWV3bjJ5NnNQdmVNZlIdDaVZFcEdDLUIHZVpPbV9Udimk4RGVEWU&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfmxFS1VYVWV3bjJ5NnNQdmVNZlIdDaVZFcEdDLUIHZVpPbV9Udimk4RGVEWU&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 95</p>
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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors prior to the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Poweshiek County, Census Tract 3705</b></p>		
<p><b>Criteria</b></p> <p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p> <p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p>	<p><b>Data Source</b></p> <p><input type="checkbox"/> CDBG low- and moderate-income summary data</p> <p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

**MID-URN SUMMARY CHECKLIST B**

*Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013*

<b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors <i>prior</i> to the Qualified Disaster - <i>Response must include at least one criterion</i> - <i>For each criteria category selected, the corresponding data source and data documentation response must be provided</i>		
<b>Target Area Name: Poweshiek County, Census Tract 3705</b>		
Criteria	Data Source	Data Documentation
<input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b> <input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against		
<b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria) <input type="checkbox"/> Tribal area <input type="checkbox"/> HUD Promise Zone site <input type="checkbox"/> HUD Strong Cities Strong Communities site <b>AND/OR</b> <input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate	<input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:



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MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Poweshiek County, Census Tract 3705		
Criteria	Data Source	Data Documentation
<p><b>Disaster impacted an area with prior documented environmental distress:</b></p> <p><input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)</p>	<p><input type="checkbox"/> State-maintained Brownfield site list <b>OR</b></p> <p><input checked="" type="checkbox"/> Other documentation of prior environmental distress</p> <ul style="list-style-type: none"> <li>• Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY11UJkIQcl9PbU9NYlIsd00&amp;authuset=0">https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY11UJkIQcl9PbU9NYlIsd00&amp;authuset=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 95</p>
<p><b>Housing:</b></p> <p><input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></li> <li><input type="checkbox"/> HUD agrees with validity</li> </ul>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
<ul style="list-style-type: none"> <li>- Response must include at least one criterion</li> <li>- For each criteria category selected, the corresponding data source and data documentation response must be provided</li> </ul>		
Target Area Name: Poweshiek County, Census Tract 3705		
Criteria	Data Source	Data Documentation
<p><b>Housing:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs</li> </ul>	<p><b>Currently running</b> a CDBG-DR or other recovery housing program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b></li> <li><input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.</li> </ul> <p><b>Not currently running</b> a CDBG-DR or other housing recovery program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b></li> <li><input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b></li> <li><input type="checkbox"/> A list of 20 addresses of units identified with remaining damage                             <ul style="list-style-type: none"> <li><input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Link:</li> <li><input type="checkbox"/> Page number(s) in application:</li> </ul>

**MID-URN SUMMARY CHECKLIST B**

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Poweshiek County, Census Tract 3705		
Criteria	Data Source	Data Documentation
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, in or serving the most impacted and distressed target area(s) <b>AND</b></p> <p><input type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></p> <p><input type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</p>	<p><input type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</p> <p><b>AND</b></p> <p><input type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></p> <p><input type="checkbox"/> Y our explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Poweshiek County, Census Tract 3705		
Criteria	Data Source	Data Documentation
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></p> <p><b>AND demonstrate one of the following:</b></p> <p><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</p> <p><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></p> <p><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</p> <p><b>AND</b></p> <p><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</p>	<p><input type="checkbox"/> Unmet repair needs narrative for businesses:</p> <p><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></p> <p><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></p> <p><input type="checkbox"/> Addresses of businesses with continuing needs</p> <p><b>OR</b></p> <p><input type="checkbox"/> <i>Decreased revenues narrative for business(es):</i></p> <p><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></p> <p><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></p> <p><input type="checkbox"/> Names and addresses of impacted businesses</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

**MID-URN SUMMARY CHECKLIST B**

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Poweshiek County, Census Tract 3705		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <p><input checked="" type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</p>	<p><input checked="" type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</p> <ul style="list-style-type: none"> <li>• Iowa State University’s Daily Soil Erosion Project</li> <li>• Iowa Department of Agriculture and Land Stewardship 2015 Iowa Water Quality Initiative Legislative Report (Program Oversubscription)</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVA0QWgzSHc&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVA0QWgzSHc&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfM3psYXI4SV91N00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfM3psYXI4SV91N00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 96</p>



**MID-URN SUMMARY CHECKLIST B**

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<p><b>MOST IMPACTED CHARACTERISTICS:</b> considers the damage resulting from the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Sioux County, Census Tract 703</b></p>		
Criteria	Data Source	Data Documentation
<p><b>Housing damage due to eligible disaster:</b></p> <p><input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b></p> <p><input type="checkbox"/> Serious damage to a minimum of 20 homes</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <p><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></p> <p><input type="checkbox"/> HUD agrees with its validity</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater</p>	<p><input type="checkbox"/> An engineering report <b>OR</b></p> <p><input type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b></p> <p><input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b></p> <p><input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b></p> <p><input type="checkbox"/> Other harm to the economy due to the disaster</p>	<p><input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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<p><b>Environmental Degradation</b></p> <p><input checked="" type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input checked="" type="checkbox"/> Support with references to any studies supporting the claim of future risk</p> <ul style="list-style-type: none"> <li>• Iowa State University Iowa Learning Farms</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfmxFS1VYVWV3bjJ5NnNQdmVNZlIdDaVZFcEdDLUIHZVpPbV9Udimk4RGVEWU&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfmxFS1VYVWV3bjJ5NnNQdmVNZlIdDaVZFcEdDLUIHZVpPbV9Udimk4RGVEWU&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 98</p>
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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors prior to the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Sioux County, Census Tract 703</b></p>		
<p><b>Criteria</b></p> <p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p> <p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p>	<p><b>Data Source</b></p> <p><input type="checkbox"/> CDBG low- and moderate-income summary data</p> <p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

**MID-URN SUMMARY CHECKLIST B**

*Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013*

<b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors <i>prior</i> to the Qualified Disaster - Response must include at least one criterion - For each criteria category selected, the corresponding data source and data documentation response must be provided <b>Target Area Name: Sioux County, Census Tract 703</b>		
Criteria	Data Source	Data Documentation
<input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b> <input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against		
<b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria) <input type="checkbox"/> Tribal area <input type="checkbox"/> HUD Promise Zone site <input type="checkbox"/> HUD Strong Cities Strong Communities site <b>AND/OR</b> <input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate	<input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:

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MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Sioux County, Census Tract 703		
Criteria	Data Source	Data Documentation
<p><b>Disaster impacted an area with prior documented environmental distress:</b></p> <p><input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)</p>	<p><input type="checkbox"/> State-maintained Brownfield site list <b>OR</b></p> <p><input checked="" type="checkbox"/> Other documentation of prior environmental distress</p> <ul style="list-style-type: none"> <li>Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY11UJkIQcl9PbU9NYlIsd00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY11UJkIQcl9PbU9NYlIsd00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 98</p>
<p><b>Housing:</b></p> <p><input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <ul style="list-style-type: none"> <li>Data shows concentrated damage meeting standard, <b>AND</b></li> <li>HUD agrees with validity</li> </ul>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Sioux County, Census Tract 703		
Criteria	Data Source	Data Documentation
<p><b>Housing:</b></p> <p><input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs</p> <p><b>OR</b></p> <p><input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs</p>	<p><b>Currently running</b> a CDBG-DR or other recovery housing program:</p> <p><input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b></p> <p><input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.</p> <p><b>Not currently running</b> a CDBG-DR or other housing recovery program:</p> <p><input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b></p> <p><input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster</p> <p><b>OR</b></p> <p><input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b></p> <p><input type="checkbox"/> A list of 20 addresses of units identified with remaining damage</p> <p><input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>



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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Sioux County, Census Tract 703		
Criteria	Data Source	Data Documentation
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, in or serving the most impacted and distressed target area(s) <b>AND</b></p> <p><input type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></p> <p><input type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</p>	<p><input type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</p> <p><b>AND</b></p> <p><input type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></p> <p><input type="checkbox"/> Your explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED			
- Response must include at least one criterion			
- For each criteria category selected, the corresponding data source and data documentation response must be provided			
Target Area Name: Sioux County, Census Tract 703	Criteria	Data Source	Data Documentation
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></p> <p><b>AND demonstrate one of the following:</b></p> <p><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</p> <p><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></p> <p><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</p> <p><b>AND</b></p> <p><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</p>	<p><input type="checkbox"/> Unmet repair needs narrative for businesses:</p> <p><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></p> <p><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></p> <p><input type="checkbox"/> Addresses of businesses with continuing needs</p> <p><b>OR</b></p> <p><input type="checkbox"/> <i>Decreased revenues narrative for business(es):</i></p> <p><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></p> <p><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></p> <p><input type="checkbox"/> Names and addresses of impacted businesses</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>	

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Sioux County, Census Tract 703		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <p><input checked="" type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</p>	<p><input checked="" type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</p> <ul style="list-style-type: none"> <li>• Iowa State University’s Daily Soil Erosion Project</li> <li>• Iowa Department of Agriculture and Land Stewardship 2015 Iowa Water Quality Initiative Legislative Report (Program Oversubscription)</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauDdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVA0QWgzSHc&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauDdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVA0QWgzSHc&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtM3psYXI4SV91N00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtM3psYXI4SV91N00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 99</p>

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<p><b>MOST IMPACTED CHARACTERISTICS:</b> considers the damage resulting from the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Tama County, Census Tract 2901</b></p>		
Criteria	Data Source	Data Documentation
<p><b>Housing damage due to eligible disaster:</b></p> <p><input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b></p> <p><input type="checkbox"/> Serious damage to a minimum of 20 homes</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <p><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></p> <p><input type="checkbox"/> HUD agrees with its validity</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater</p>	<p><input type="checkbox"/> An engineering report <b>OR</b></p> <p><input type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b></p> <p><input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b></p> <p><input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b></p> <p><input type="checkbox"/> Other harm to the economy due to the disaster</p>	<p><input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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<p><b>Environmental Degradation</b></p> <p><input checked="" type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input checked="" type="checkbox"/> Support with references to any studies supporting the claim of future risk</p> <ul style="list-style-type: none"> <li>• Iowa State University Iowa Learning Farms</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfmxFS1VYVWV3bjJ5NnNQdmVNZlIdDaVZFcEdDLUIHZVpPbV9Udmk4RGVEWU&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfmxFS1VYVWV3bjJ5NnNQdmVNZlIdDaVZFcEdDLUIHZVpPbV9Udmk4RGVEWU&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 101</p>
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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors prior to the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Tama County, Census Tract 2901</b></p>		
<p><b>Criteria</b></p> <p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p> <p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p>	<p><b>Data Source</b></p> <p><input type="checkbox"/> CDBG low- and moderate-income summary data</p> <p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>



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<b>MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster</b> - Response must include at least one criterion - For each criteria category selected, the corresponding data source and data documentation response must be provided <b>Target Area Name: Tama County, Census Tract 2901</b>		
Criteria	Data Source	Data Documentation
<input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b> <input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against		
<b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria) <input type="checkbox"/> Tribal area <input type="checkbox"/> HUD Promise Zone site <input type="checkbox"/> HUD Strong Cities Strong Communities site <b>AND/OR</b> <input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate	<input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:

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MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Tama County, Census Tract 2901		
Criteria	Data Source	Data Documentation
<p><b>Disaster impacted an area with prior documented environmental distress:</b></p> <p><input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)</p>	<p><input type="checkbox"/> State-maintained Brownfield site list <b>OR</b></p> <p><input checked="" type="checkbox"/> Other documentation of prior environmental distress</p> <ul style="list-style-type: none"> <li>• Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY11UUKlQcl9PbU9NYlIsd00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY11UUKlQcl9PbU9NYlIsd00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 101</p>
<p><b>Housing:</b></p> <p><input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></li> <li><input type="checkbox"/> HUD agrees with validity</li> </ul>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
<ul style="list-style-type: none"> <li>- Response must include at least one criterion</li> <li>- For each criteria category selected, the corresponding data source and data documentation response must be provided</li> </ul>		
Target Area Name: Tama County, Census Tract 2901		
Criteria	Data Source	Data Documentation
<p><b>Housing:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs</li> </ul>	<p><b>Currently running</b> a CDBG-DR or other recovery housing program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b></li> <li><input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.</li> </ul> <p><b>Not currently running</b> a CDBG-DR or other housing recovery program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b></li> <li><input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b></li> <li><input type="checkbox"/> A list of 20 addresses of units identified with remaining damage                             <ul style="list-style-type: none"> <li><input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Link:</li> <li><input type="checkbox"/> Page number(s) in application:</li> </ul>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Tama County, Census Tract 2901		
Criteria	Data Source	Data Documentation
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, in or serving the most impacted and distressed target area(s) <b>AND</b></p> <p><input type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></p> <p><input type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</p>	<p><input type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</p> <p><b>AND</b></p> <p><input type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></p> <p><input type="checkbox"/> Your explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Tama County, Census Tract 2901	Data Source	Data Documentation
<p><b>Criteria</b></p> <p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></p> <p><b>AND demonstrate one of the following:</b></p> <p><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</p> <p><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></p> <p><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</p> <p><b>AND</b></p> <p><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</p>	<p><input type="checkbox"/> Unmet repair needs narrative for businesses:</p> <p><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></p> <p><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></p> <p><input type="checkbox"/> Addresses of businesses with continuing needs</p> <p><b>OR</b></p> <p><input type="checkbox"/> <i>Decreased revenues narrative for business(es):</i></p> <p><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></p> <p><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></p> <p><input type="checkbox"/> Names and addresses of impacted businesses</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>



**MID-URN SUMMARY CHECKLIST B**

Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Tama County, Census Tract 2901		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <p><input checked="" type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</p>	<p><input checked="" type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</p> <ul style="list-style-type: none"> <li>• Iowa State University’s Daily Soil Erosion Project</li> <li>• Iowa Department of Agriculture and Land Stewardship 2015 Iowa Water Quality Initiative Legislative Report (Program Oversubscription)</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVAA0QWgzSHc&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVAA0QWgzSHc&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfM3psYXI4SV91N00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfM3psYXI4SV91N00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 102</p>

**MID-URN SUMMARY CHECKLIST B**

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<p><b>MOST IMPACTED CHARACTERISTICS:</b> considers the damage resulting from the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Tama County, Census Tract 2903</b></p>		
Criteria	Data Source	Data Documentation
<p><b>Housing damage due to eligible disaster:</b></p> <p><input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b></p> <p><input type="checkbox"/> Serious damage to a minimum of 20 homes</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <p><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></p> <p><input type="checkbox"/> HUD agrees with its validity</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater</p>	<p><input type="checkbox"/> An engineering report <b>OR</b></p> <p><input type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b></p> <p><input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b></p> <p><input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b></p> <p><input type="checkbox"/> Other harm to the economy due to the disaster</p>	<p><input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

**MID-URN SUMMARY CHECKLIST B**

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<p><b>Environmental Degradation</b></p> <p><input checked="" type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input checked="" type="checkbox"/> Support with references to any studies supporting the claim of future risk</p> <ul style="list-style-type: none"> <li>• Iowa State University Iowa Learning Farms</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfmxFS1VYVWV3bjJ5NnNQdmVNZlIdDaVZFcEdDLUIHZVpPbV9Udimk4RGVEWU&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfmxFS1VYVWV3bjJ5NnNQdmVNZlIdDaVZFcEdDLUIHZVpPbV9Udimk4RGVEWU&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 104</p>
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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors prior to the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Tama County, Census Tract 2903</b></p>		
<p><b>Criteria</b></p> <p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p> <p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p>	<p><b>Data Source</b></p> <p><input type="checkbox"/> CDBG low- and moderate-income summary data</p> <p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

**MID-URN SUMMARY CHECKLIST B**

*Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013*

<b>MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster</b> - Response must include at least one criterion - For each criteria category selected, the corresponding data source and data documentation response must be provided <b>Target Area Name: Tama County, Census Tract 2903</b>		
Criteria	Data Source	Data Documentation
<input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b> <input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against		
<b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria) <input type="checkbox"/> Tribal area <input type="checkbox"/> HUD Promise Zone site <input type="checkbox"/> HUD Strong Cities Strong Communities site <b>AND/OR</b> <input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate	<input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:

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MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Tama County, Census Tract 2903		
Criteria	Data Source	Data Documentation
<p><b>Disaster impacted an area with prior documented environmental distress:</b></p> <p><input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)</p>	<p><input type="checkbox"/> State-maintained Brownfield site list <b>OR</b></p> <p><input checked="" type="checkbox"/> Other documentation of prior environmental distress</p> <ul style="list-style-type: none"> <li>• Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY11UJkIQcl9PbU9NYlIsd00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY11UJkIQcl9PbU9NYlIsd00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 104</p>
<p><b>Housing:</b></p> <p><input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></li> <li><input type="checkbox"/> HUD agrees with validity</li> </ul>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>



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UNMET RECOVERY NEED		
<ul style="list-style-type: none"> <li>- Response must include at least one criterion</li> <li>- For each criteria category selected, the corresponding data source and data documentation response must be provided</li> </ul>		
Target Area Name: Tama County, Census Tract 2903		
Criteria	Data Source	Data Documentation
<p><b>Housing:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs</li> </ul>	<p><b>Currently running</b> a CDBG-DR or other recovery housing program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b></li> <li><input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.</li> </ul> <p><b>Not currently</b> running a CDBG-DR or other housing recovery program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b></li> <li><input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b></li> <li><input type="checkbox"/> A list of 20 addresses of units identified with remaining damage                             <ul style="list-style-type: none"> <li><input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Link:</li> <li><input type="checkbox"/> Page number(s) in application:</li> </ul>

**MID-URN SUMMARY CHECKLIST B**

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Tama County, Census Tract 2903		
Criteria	Data Source	Data Documentation
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, in or serving the most impacted and distressed target area(s) <b>AND</b></p> <p><input type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></p> <p><input type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</p>	<p><input type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</p> <p><b>AND</b></p> <p><input type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></p> <p><input type="checkbox"/> Your explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Tama County, Census Tract 2903	Criteria	Data Source
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></p> <p><b>AND demonstrate one of the following:</b></p> <p><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</p> <p><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></p> <p><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</p> <p><b>AND</b></p> <p><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</p>	<p><input type="checkbox"/> Unmet repair needs narrative for businesses:</p> <p><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></p> <p><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></p> <p><input type="checkbox"/> Addresses of businesses with continuing needs</p> <p><b>OR</b></p> <p><input type="checkbox"/> <i>Decreased revenues narrative for business(es):</i></p> <p><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></p> <p><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></p> <p><input type="checkbox"/> Names and addresses of impacted businesses</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

**MID-URN SUMMARY CHECKLIST B**

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Tama County, Census Tract 2903		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <p><input checked="" type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</p>	<p><input checked="" type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</p> <ul style="list-style-type: none"> <li>• Iowa State University’s Daily Soil Erosion Project</li> <li>• Iowa Department of Agriculture and Land Stewardship 2015 Iowa Water Quality Initiative Legislative Report (Program Oversubscription)</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVA0QWgzSHc&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVA0QWgzSHc&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtM3psYXI4SV91N00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtM3psYXI4SV91N00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 105</p>

**MID-URN SUMMARY CHECKLIST B**

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<p><b>MOST IMPACTED CHARACTERISTICS:</b> considers the damage resulting from the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Tama County, Census Tract 2906</b></p>		
Criteria	Data Source	Data Documentation
<p><b>Housing damage due to eligible disaster:</b></p> <p><input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b></p> <p><input type="checkbox"/> Serious damage to a minimum of 20 homes</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <p><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></p> <p><input type="checkbox"/> HUD agrees with its validity</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater</p>	<p><input type="checkbox"/> An engineering report <b>OR</b></p> <p><input type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b></p> <p><input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b></p> <p><input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b></p> <p><input type="checkbox"/> Other harm to the economy due to the disaster</p>	<p><input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>



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<p><b>Environmental Degradation</b></p> <p><input checked="" type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input checked="" type="checkbox"/> Support with references to any studies supporting the claim of future risk</p> <ul style="list-style-type: none"> <li>• Iowa State University Iowa Learning Farms</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfmxFS1VYVWV3bjJ5NnNQdmVNZlIdDaVZFcEdDLUIHZVpPbV9Udmk4RGVEWU&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfmxFS1VYVWV3bjJ5NnNQdmVNZlIdDaVZFcEdDLUIHZVpPbV9Udmk4RGVEWU&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 107</p>
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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors prior to the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Tama County, Census Tract 2906</b></p>		
<p><b>Criteria</b></p> <p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p> <p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p>	<p><b>Data Source</b></p> <p><input type="checkbox"/> CDBG low- and moderate-income summary data</p> <p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

**MID-URN SUMMARY CHECKLIST B**

*Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013*

<b>MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster</b> - Response must include at least one criterion - For each criteria category selected, the corresponding data source and data documentation response must be provided <b>Target Area Name: Tama County, Census Tract 2906</b>		
Criteria	Data Source	Data Documentation
<input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b> <input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against		
<b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria) <input type="checkbox"/> Tribal area <input type="checkbox"/> HUD Promise Zone site <input type="checkbox"/> HUD Strong Cities Strong Communities site <b>AND/OR</b> <input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate	<input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:

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MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster		
<p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
Target Area Name: Tama County, Census Tract 2906		
Criteria	Data Source	Data Documentation
<p><b>Disaster impacted an area with prior documented environmental distress:</b></p> <p><input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)</p>	<p><input type="checkbox"/> State-maintained Brownfield site list <b>OR</b></p> <p><input checked="" type="checkbox"/> Other documentation of prior environmental distress</p> <ul style="list-style-type: none"> <li>Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY11UJkIQcl9PbU9NYlIsd00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY11UJkIQcl9PbU9NYlIsd00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 107</p>
<p><b>Housing:</b></p> <p><input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <ul style="list-style-type: none"> <li>Data shows concentrated damage meeting standard, <b>AND</b></li> <li>HUD agrees with validity</li> </ul>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
<ul style="list-style-type: none"> <li>- Response must include at least one criterion</li> <li>- For each criteria category selected, the corresponding data source and data documentation response must be provided</li> </ul>		
Target Area Name: Tama County, Census Tract 2906		
Criteria	Data Source	Data Documentation
<p><b>Housing:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs</li> </ul>	<p><b>Currently running</b> a CDBG-DR or other recovery housing program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b></li> <li><input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.</li> </ul> <p><b>Not currently running</b> a CDBG-DR or other housing recovery program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b></li> <li><input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b></li> <li><input type="checkbox"/> A list of 20 addresses of units identified with remaining damage                             <ul style="list-style-type: none"> <li><input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Link:</li> <li><input type="checkbox"/> Page number(s) in application:</li> </ul>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Tama County, Census Tract 2906		
Criteria	Data Source	Data Documentation
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, in or serving the most impacted and distressed target area(s) <b>AND</b></p> <p><input type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></p> <p><input type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</p>	<p><input type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</p> <p><b>AND</b></p> <p><input type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></p> <p><input type="checkbox"/> Your explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>



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UNMET RECOVERY NEED			
- Response must include at least one criterion			
- For each criteria category selected, the corresponding data source and data documentation response must be provided			
Target Area Name: Tama County, Census Tract 2906	Criteria	Data Source	Data Documentation
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></p> <p><u><b>AND demonstrate one of the following:</b></u></p> <p><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</p> <p><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></p> <p><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</p> <p><b>AND</b></p> <p><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</p>	<p><input type="checkbox"/> Unmet repair needs narrative for businesses:</p> <p><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></p> <p><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></p> <p><input type="checkbox"/> Addresses of businesses with continuing needs</p> <p><b>OR</b></p> <p><input type="checkbox"/> <i>Decreased revenues narrative for business(es):</i></p> <p><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></p> <p><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></p> <p><input type="checkbox"/> Names and addresses of impacted businesses</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>	

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Tama County, Census Tract 2906		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <p><input checked="" type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</p>	<p><input checked="" type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</p> <ul style="list-style-type: none"> <li>• Iowa State University’s Daily Soil Erosion Project</li> <li>• Iowa Department of Agriculture and Land Stewardship 2015 Iowa Water Quality Initiative Legislative Report (Program Oversubscription)</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVA0QWgzSHc&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVA0QWgzSHc&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtM3psYXI4SV91N00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtM3psYXI4SV91N00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 108</p>

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<p><b>MOST IMPACTED CHARACTERISTICS:</b> considers the damage resulting from the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Allamakee County, Census Tract 9604</b></p>		
Criteria	Data Source	Data Documentation
<p><b>Housing damage due to eligible disaster:</b></p> <p><input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b></p> <p><input type="checkbox"/> Serious damage to a minimum of 20 homes</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <p><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></p> <p><input type="checkbox"/> HUD agrees with its validity</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater</p>	<p><input type="checkbox"/> An engineering report <b>OR</b></p> <p><input type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b></p> <p><input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b></p> <p><input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b></p> <p><input type="checkbox"/> Other harm to the economy due to the disaster</p>	<p><input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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<p><b>Environmental Degradation</b></p> <p><input checked="" type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input checked="" type="checkbox"/> Support with references to any studies supporting the claim of future risk</p> <ul style="list-style-type: none"> <li>• Iowa State University Iowa Learning Farms</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfmxFS1VYVWV3bjJ5NnNQdmVNZlIdDaVZFcEdDLUIHZVpPbV9Udimk4RGVEWU&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfmxFS1VYVWV3bjJ5NnNQdmVNZlIdDaVZFcEdDLUIHZVpPbV9Udimk4RGVEWU&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 110</p>
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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors prior to the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Allamakee County, Census Tract 9604</b></p>		
<p><b>Criteria</b></p> <p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p> <p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p>	<p><b>Data Source</b></p> <p><input type="checkbox"/> CDBG low- and moderate-income summary data</p> <p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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<b>MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster</b> - Response must include at least one criterion - For each criteria category selected, the corresponding data source and data documentation response must be provided <b>Target Area Name: Allamakee County, Census Tract 9604</b>		
Criteria	Data Source	Data Documentation
<input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b> <input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against		
<b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria) <input type="checkbox"/> Tribal area <input type="checkbox"/> HUD Promise Zone site <input type="checkbox"/> HUD Strong Cities Strong Communities site <b>AND/OR</b> <input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate	<input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:



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MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Allamakee County, Census Tract 9604		
Criteria	Data Source	Data Documentation
<p><b>Disaster impacted an area with prior documented environmental distress:</b></p> <p><input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)</p>	<p><input type="checkbox"/> State-maintained Brownfield site list <b>OR</b></p> <p><input checked="" type="checkbox"/> Other documentation of prior environmental distress</p> <ul style="list-style-type: none"> <li>• Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY11UJkIQcl9PbU9NYlIsd00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY11UJkIQcl9PbU9NYlIsd00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 110</p>
<p><b>Housing:</b></p> <p><input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></li> <li><input type="checkbox"/> HUD agrees with validity</li> </ul>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Allamakee County, Census Tract 9604		
Criteria	Data Source	Data Documentation
<p><b>Housing:</b></p> <p><input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs</p> <p><b>OR</b></p> <p><input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs</p>	<p><u>Currently running</u> a CDBG-DR or other recovery housing program:</p> <p><input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b></p> <p><input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.</p> <p><u>Not currently</u> running a CDBG-DR or other housing recovery program:</p> <p><input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b></p> <p><input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster</p> <p><b>OR</b></p> <p><input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b></p> <p><input type="checkbox"/> A list of 20 addresses of units identified with remaining damage</p> <p><input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Allamakee County, Census Tract 9604		
Criteria	Data Source	Data Documentation
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, in or serving the most impacted and distressed target area(s) <b>AND</b></p> <p><input type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></p> <p><input type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</p>	<p><input type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</p> <p><b>AND</b></p> <p><input type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></p> <p><input type="checkbox"/> Your explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Allamakee County, Census Tract 9604	Criteria	Data Source
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></p> <p><b>AND demonstrate one of the following:</b></p> <p><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</p> <p><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></p> <p><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</p> <p><b>AND</b></p> <p><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</p>	<p><input type="checkbox"/> Unmet repair needs narrative for businesses:</p> <p><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></p> <p><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></p> <p><input type="checkbox"/> Addresses of businesses with continuing needs</p> <p><b>OR</b></p> <p><input type="checkbox"/> <i>Decreased revenues narrative for business(es):</i></p> <p><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></p> <p><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></p> <p><input type="checkbox"/> Names and addresses of impacted businesses</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

**MID-URN SUMMARY CHECKLIST B**

Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Allamakee County, Census Tract 9604		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <p><input checked="" type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</p>	<p><input checked="" type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</p> <ul style="list-style-type: none"> <li>• Iowa State University’s Daily Soil Erosion Project</li> <li>• Iowa Department of Agriculture and Land Stewardship 2015 Iowa Water Quality Initiative Legislative Report (Program Oversubscription)</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRRHaUdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVA0QWgzSHc&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRRHaUdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVA0QWgzSHc&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfM3psYXI4SV91N00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfM3psYXI4SV91N00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 111</p>



**MID-URN SUMMARY CHECKLIST B**

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<p><b>MOST IMPACTED CHARACTERISTICS:</b> considers the damage resulting from the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Buchanan County, Census Tract 9506</b></p>		
Criteria	Data Source	Data Documentation
<p><b>Housing damage due to eligible disaster:</b></p> <p><input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b></p> <p><input type="checkbox"/> Serious damage to a minimum of 20 homes</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <p><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></p> <p><input type="checkbox"/> HUD agrees with its validity</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater</p>	<p><input type="checkbox"/> An engineering report <b>OR</b></p> <p><input type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b></p> <p><input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b></p> <p><input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b></p> <p><input type="checkbox"/> Other harm to the economy due to the disaster</p>	<p><input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

**MID-URN SUMMARY CHECKLIST B**

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<p><b>Environmental Degradation</b></p> <p><input checked="" type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input checked="" type="checkbox"/> Support with references to any studies supporting the claim of future risk</p> <ul style="list-style-type: none"> <li>• Iowa State University Iowa Learning Farms</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfmxFS1VYVWV3bjJ5NnNQdmVNZlIdDaVZFcEdDLUIHZVpPbV9Udmk4RGVEWU&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfmxFS1VYVWV3bjJ5NnNQdmVNZlIdDaVZFcEdDLUIHZVpPbV9Udmk4RGVEWU&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 113</p>
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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors prior to the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Buchanan County, Census Tract 9506</b></p>		
<p><b>Criteria</b></p> <p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p> <p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p>	<p><b>Data Source</b></p> <p><input type="checkbox"/> CDBG low- and moderate-income summary data</p> <p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

**MID-URN SUMMARY CHECKLIST B**

*Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013*

<b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors <i>prior</i> to the Qualified Disaster - <i>Response must include at least one criterion</i> - <i>For each criteria category selected, the corresponding data source and data documentation response must be provided</i>		
<b>Target Area Name: Buchanan County, Census Tract 9506</b>		
Criteria	Data Source	Data Documentation
<input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b> <input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against		
<b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria) <input type="checkbox"/> Tribal area <input type="checkbox"/> HUD Promise Zone site <input type="checkbox"/> HUD Strong Cities Strong Communities site <b>AND/OR</b> <input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate	<input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:

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MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Buchanan County, Census Tract 9506		
Criteria	Data Source	Data Documentation
<p><b>Disaster impacted an area with prior documented environmental distress:</b></p> <p><input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)</p>	<p><input type="checkbox"/> State-maintained Brownfield site list <b>OR</b></p> <p><input checked="" type="checkbox"/> Other documentation of prior environmental distress</p> <ul style="list-style-type: none"> <li>• Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY11UJkIQcl9PbU9NYlIsd00&amp;authuset=0">https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY11UJkIQcl9PbU9NYlIsd00&amp;authuset=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 113</p>
<p><b>Housing:</b></p> <p><input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></li> <li><input type="checkbox"/> HUD agrees with validity</li> </ul>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

**MID-URN SUMMARY CHECKLIST B**

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UNMET RECOVERY NEED		
<ul style="list-style-type: none"> <li>- Response must include at least one criterion</li> <li>- For each criteria category selected, the corresponding data source and data documentation response must be provided</li> </ul>		
Target Area Name: Buchanan County, Census Tract 9506		
Criteria	Data Source	Data Documentation
<p><b>Housing:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs</li> </ul>	<p><b>Currently running</b> a CDBG-DR or other recovery housing program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b></li> <li><input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.</li> </ul> <p><b>Not currently running</b> a CDBG-DR or other housing recovery program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b></li> <li><input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b></li> <li><input type="checkbox"/> A list of 20 addresses of units identified with remaining damage                             <ul style="list-style-type: none"> <li><input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Link:</li> <li><input type="checkbox"/> Page number(s) in application:</li> </ul>



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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Buchanan County, Census Tract 9506		
Criteria	Data Source	Data Documentation
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, in or serving the most impacted and distressed target area(s) <b>AND</b></p> <p><input type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></p> <p><input type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</p>	<p><input type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</p> <p><b>AND</b></p> <p><input type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></p> <p><input type="checkbox"/> Your explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Buchanan County, Census Tract 9506		
Criteria	Data Source	Data Documentation
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></p> <p><b>AND demonstrate one of the following:</b></p> <p><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</p> <p><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></p> <p><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</p> <p><b>AND</b></p> <p><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</p>	<p><input type="checkbox"/> Unmet repair needs narrative for businesses:</p> <p><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></p> <p><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></p> <p><input type="checkbox"/> Addresses of businesses with continuing needs</p> <p><b>OR</b></p> <p><input type="checkbox"/> <i>Decreased revenues narrative for business(es):</i></p> <p><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></p> <p><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></p> <p><input type="checkbox"/> Names and addresses of impacted businesses</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

**MID-URN SUMMARY CHECKLIST B**

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Buchanan County, Census Tract 9506		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <p><input checked="" type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</p>	<p><input checked="" type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</p> <ul style="list-style-type: none"> <li>• Iowa State University’s Daily Soil Erosion Project</li> <li>• Iowa Department of Agriculture and Land Stewardship 2015 Iowa Water Quality Initiative Legislative Report (Program Oversubscription)</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauDdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVA0QWgzSHc&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauDdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVA0QWgzSHc&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtM3psYXI4SV91N00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtM3psYXI4SV91N00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 114</p>

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<p><b>MOST IMPACTED CHARACTERISTICS:</b> considers the damage resulting from the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Cedar County, Census Tract 4501</b></p>		
Criteria	Data Source	Data Documentation
<p><b>Housing damage due to eligible disaster:</b></p> <p><input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b></p> <p><input type="checkbox"/> Serious damage to a minimum of 20 homes</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <p><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></p> <p><input type="checkbox"/> HUD agrees with its validity</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater</p>	<p><input type="checkbox"/> An engineering report <b>OR</b></p> <p><input type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b></p> <p><input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b></p> <p><input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b></p> <p><input type="checkbox"/> Other harm to the economy due to the disaster</p>	<p><input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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<p><b>Environmental Degradation</b></p> <p><input checked="" type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input checked="" type="checkbox"/> Support with references to any studies supporting the claim of future risk</p> <ul style="list-style-type: none"> <li>• Iowa State University Iowa Learning Farms</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfmxFS1VYVWV3bjJ5NnNQdmVNZlIdDaVZFcEdDLUIHZVpPbV9Udmk4RGVEWU&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfmxFS1VYVWV3bjJ5NnNQdmVNZlIdDaVZFcEdDLUIHZVpPbV9Udmk4RGVEWU&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 116</p>
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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors prior to the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Cedar County, Census Tract 4501</b></p>		
<p><b>Criteria</b></p> <p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p> <p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p>	<p><b>Data Source</b></p> <p><input type="checkbox"/> CDBG low- and moderate-income summary data</p> <p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>



**MID-URN SUMMARY CHECKLIST B**

*Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013*

<b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors <i>prior</i> to the Qualified Disaster - <i>Response must include at least one criterion</i> - <i>For each criteria category selected, the corresponding data source and data documentation response must be provided</i>		
<b>Target Area Name: Cedar County, Census Tract 4501</b>		
Criteria	Data Source	Data Documentation
<input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b> <input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against		
<b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria) <input type="checkbox"/> Tribal area <input type="checkbox"/> HUD Promise Zone site <input type="checkbox"/> HUD Strong Cities Strong Communities site <b>AND/OR</b> <input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate	<input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:

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MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Cedar County, Census Tract 4501		
Criteria	Data Source	Data Documentation
<p><b>Disaster impacted an area with prior documented environmental distress:</b></p> <p><input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)</p>	<p><input type="checkbox"/> State-maintained Brownfield site list <b>OR</b></p> <p><input checked="" type="checkbox"/> Other documentation of prior environmental distress</p> <ul style="list-style-type: none"> <li>• Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY11UJkIQcl9PbU9NYlIsd00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY11UJkIQcl9PbU9NYlIsd00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 116</p>
<p><b>Housing:</b></p> <p><input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></li> <li><input type="checkbox"/> HUD agrees with validity</li> </ul>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
<ul style="list-style-type: none"> <li>- Response must include at least one criterion</li> <li>- For each criteria category selected, the corresponding data source and data documentation response must be provided</li> </ul>		
Target Area Name: Cedar County, Census Tract 4501		
Criteria	Data Source	Data Documentation
<p><b>Housing:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs</li> </ul>	<p><b>Currently running</b> a CDBG-DR or other recovery housing program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b></li> <li><input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.</li> </ul> <p><b>Not currently running</b> a CDBG-DR or other housing recovery program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b></li> <li><input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b></li> <li><input type="checkbox"/> A list of 20 addresses of units identified with remaining damage                             <ul style="list-style-type: none"> <li><input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Link:</li> <li><input type="checkbox"/> Page number(s) in application:</li> </ul>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Cedar County, Census Tract 4501		
Criteria	Data Source	Data Documentation
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, in or serving the most impacted and distressed target area(s) <b>AND</b></p> <p><input type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></p> <p><input type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</p>	<p><input type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</p> <p><b>AND</b></p> <p><input type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></p> <p><input type="checkbox"/> Y our explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Cedar County, Census Tract 4501		
Criteria	Data Source	Data Documentation
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></p> <p><b>AND demonstrate one of the following:</b></p> <p><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</p> <p><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></p> <p><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</p> <p><b>AND</b></p> <p><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</p>	<p><input type="checkbox"/> Unmet repair needs narrative for businesses:</p> <p><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></p> <p><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></p> <p><input type="checkbox"/> Addresses of businesses with continuing needs</p> <p><b>OR</b></p> <p><input type="checkbox"/> <i>Decreased revenues narrative for business(es):</i></p> <p><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></p> <p><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></p> <p><input type="checkbox"/> Names and addresses of impacted businesses</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>



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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Cedar County, Census Tract 4501		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <p><input checked="" type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</p>	<p><input checked="" type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</p> <ul style="list-style-type: none"> <li>• Iowa State University’s Daily Soil Erosion Project</li> <li>• Iowa Department of Agriculture and Land Stewardship 2015 Iowa Water Quality Initiative Legislative Report (Program Oversubscription)</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVA0QWgzSHc&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVA0QWgzSHc&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtM3psYXI4SV91N00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtM3psYXI4SV91N00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 117</p>

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<p><b>MOST IMPACTED CHARACTERISTICS:</b> considers the damage resulting from the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Clayton County, Census Tract 701</b></p>		
Criteria	Data Source	Data Documentation
<p><b>Housing damage due to eligible disaster:</b></p> <p><input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b></p> <p><input type="checkbox"/> Serious damage to a minimum of 20 homes</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <p><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></p> <p><input type="checkbox"/> HUD agrees with its validity</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater</p>	<p><input type="checkbox"/> An engineering report <b>OR</b></p> <p><input type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b></p> <p><input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b></p> <p><input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b></p> <p><input type="checkbox"/> Other harm to the economy due to the disaster</p>	<p><input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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<p><b>Environmental Degradation</b></p> <p><input checked="" type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input checked="" type="checkbox"/> Support with references to any studies supporting the claim of future risk</p> <ul style="list-style-type: none"> <li>• Iowa State University Iowa Learning Farms</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfmxFS1VYVWV3bjJ5NnNQdmVNZlIdDaVZFcEdDLUIHZVpPbV9Udimk4RGVEWU&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfmxFS1VYVWV3bjJ5NnNQdmVNZlIdDaVZFcEdDLUIHZVpPbV9Udimk4RGVEWU&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 119</p>
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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors prior to the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Clayton County, Census Tract 701</b></p>		
<p><b>Criteria</b></p> <p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p> <p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p>	<p><b>Data Source</b></p> <p><input type="checkbox"/> CDBG low- and moderate-income summary data</p> <p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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<b>MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster</b> - Response must include at least one criterion - For each criteria category selected, the corresponding data source and data documentation response must be provided		
<b>Target Area Name: Clayton County, Census Tract 701</b>		
Criteria	Data Source	Data Documentation
<input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b> <input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against		
<b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria) <input type="checkbox"/> Tribal area <input type="checkbox"/> HUD Promise Zone site <input type="checkbox"/> HUD Strong Cities Strong Communities site <b>AND/OR</b> <input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate	<input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:

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MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Clayton County, Census Tract 701		
Criteria	Data Source	Data Documentation
<p><b>Disaster impacted an area with prior documented environmental distress:</b></p> <p><input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)</p>	<p><input type="checkbox"/> State-maintained Brownfield site list <b>OR</b></p> <p><input checked="" type="checkbox"/> Other documentation of prior environmental distress</p> <ul style="list-style-type: none"> <li>• Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY11UJkIQcl9PbU9NYlIsd00&amp;authuset=0">https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY11UJkIQcl9PbU9NYlIsd00&amp;authuset=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 119</p>
<p><b>Housing:</b></p> <p><input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></li> <li><input type="checkbox"/> HUD agrees with validity</li> </ul>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>



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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Clayton County, Census Tract 701		
Criteria	Data Source	Data Documentation
<p><b>Housing:</b></p> <p><input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs</p> <p><b>OR</b></p> <p><input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs</p>	<p><b>Currently running</b> a CDBG-DR or other recovery housing program:</p> <p><input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b></p> <p><input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.</p> <p><b>Not currently running</b> a CDBG-DR or other housing recovery program:</p> <p><input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b></p> <p><input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster</p> <p><b>OR</b></p> <p><input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b></p> <p><input type="checkbox"/> A list of 20 addresses of units identified with remaining damage</p> <p><input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Clayton County, Census Tract 701		
Criteria	Data Source	Data Documentation
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, in or serving the most impacted and distressed target area(s) <b>AND</b></p> <p><input type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></p> <p><input type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</p>	<p><input type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</p> <p><b>AND</b></p> <p><input type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></p> <p><input type="checkbox"/> Y our explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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<b>UNMET RECOVERY NEED</b>		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Clayton County, Census Tract 701	Data Source	Data Documentation
<p><b>Criteria</b></p> <p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></p> <p><b>AND demonstrate one of the following:</b></p> <p><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</p> <p><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></p> <p><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</p> <p><b>AND</b></p> <p><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</p>	<p><input type="checkbox"/> Unmet repair needs narrative for businesses:</p> <p><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></p> <p><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></p> <p><input type="checkbox"/> Addresses of businesses with continuing needs</p> <p><b>OR</b></p> <p><input type="checkbox"/> <i>Decreased revenues narrative for business(es):</i></p> <p><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></p> <p><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></p> <p><input type="checkbox"/> Names and addresses of impacted businesses</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

**MID-URN SUMMARY CHECKLIST B**

Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Clayton County, Census Tract 701		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <p><input checked="" type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</p>	<p><input checked="" type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</p> <ul style="list-style-type: none"> <li>• Iowa State University’s Daily Soil Erosion Project</li> <li>• Iowa Department of Agriculture and Land Stewardship 2015 Iowa Water Quality Initiative Legislative Report (Program Oversubscription)</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVA0QWgzSHc&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVA0QWgzSHc&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtM3psYXI4SV91N00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtM3psYXI4SV91N00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 120</p>

**MID-URN SUMMARY CHECKLIST B**

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<p><b>MOST IMPACTED CHARACTERISTICS:</b> considers the damage resulting from the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Clayton County, Census Tract 702</b></p>		
Criteria	Data Source	Data Documentation
<p><b>Housing damage due to eligible disaster:</b></p> <p><input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b></p> <p><input type="checkbox"/> Serious damage to a minimum of 20 homes</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <p><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></p> <p><input type="checkbox"/> HUD agrees with its validity</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater</p>	<p><input type="checkbox"/> An engineering report <b>OR</b></p> <p><input type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b></p> <p><input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b></p> <p><input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b></p> <p><input type="checkbox"/> Other harm to the economy due to the disaster</p>	<p><input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>



**MID-URN SUMMARY CHECKLIST B**

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<p><b>Environmental Degradation</b></p> <p><input checked="" type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input checked="" type="checkbox"/> Support with references to any studies supporting the claim of future risk</p> <ul style="list-style-type: none"> <li>• Iowa State University Iowa Learning Farms</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfmxFS1VYVWV3bjJ5NnNQdmVNZIdDaVZFcEdDLUIHZVpPbV9Udmk4RGVEWU&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfmxFS1VYVWV3bjJ5NnNQdmVNZIdDaVZFcEdDLUIHZVpPbV9Udmk4RGVEWU&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 122</p>
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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors prior to the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Clayton County, Census Tract 702</b></p>		
<p><b>Criteria</b></p>		
<p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p>	<p><input type="checkbox"/> CDBG low- and moderate-income summary data</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p>	<p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

**MID-URN SUMMARY CHECKLIST B**

*Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013*

<b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors <i>prior</i> to the Qualified Disaster - Response must include at least one criterion - For each criteria category selected, the corresponding data source and data documentation response must be provided <b>Target Area Name: Clayton County, Census Tract 702</b>		
Criteria	Data Source	Data Documentation
<input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b> <input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against		
<b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria) <input type="checkbox"/> Tribal area <input type="checkbox"/> HUD Promise Zone site <input type="checkbox"/> HUD Strong Cities Strong Communities site <b>AND/OR</b> <input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate	<input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:

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MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Clayton County, Census Tract 702		
Criteria	Data Source	Data Documentation
<p><b>Disaster impacted an area with prior documented environmental distress:</b></p> <p><input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)</p>	<p><input type="checkbox"/> State-maintained Brownfield site list <b>OR</b></p> <p><input checked="" type="checkbox"/> Other documentation of prior environmental distress</p> <ul style="list-style-type: none"> <li>• Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY11UJkIQcl9PbU9NYlIsd00&amp;authuset=0">https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY11UJkIQcl9PbU9NYlIsd00&amp;authuset=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 122</p>
<p><b>Housing:</b></p> <p><input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></li> <li><input type="checkbox"/> HUD agrees with validity</li> </ul>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
<ul style="list-style-type: none"> <li>- Response must include at least one criterion</li> <li>- For each criteria category selected, the corresponding data source and data documentation response must be provided</li> </ul>		
Target Area Name: Clayton County, Census Tract 702		
Criteria	Data Source	Data Documentation
<p><b>Housing:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs</li> </ul>	<p><b>Currently running</b> a CDBG-DR or other recovery housing program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b></li> <li><input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.</li> </ul> <p><b>Not currently running</b> a CDBG-DR or other housing recovery program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b></li> <li><input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b></li> <li><input type="checkbox"/> A list of 20 addresses of units identified with remaining damage                             <ul style="list-style-type: none"> <li><input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Link:</li> <li><input type="checkbox"/> Page number(s) in application:</li> </ul>

**MID-URN SUMMARY CHECKLIST B**

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Clayton County, Census Tract 702		
Criteria	Data Source	Data Documentation
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, in or serving the most impacted and distressed target area(s) <b>AND</b></p> <p><input type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></p> <p><input type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</p>	<p><input type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</p> <p><b>AND</b></p> <p><input type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></p> <p><input type="checkbox"/> Y our explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>



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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Clayton County, Census Tract 702	Criteria	Data Source
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></p> <p><b>AND demonstrate one of the following:</b></p> <p><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</p> <p><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></p> <p><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</p> <p><b>AND</b></p> <p><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</p>	<p><input type="checkbox"/> Unmet repair needs narrative for businesses:</p> <p><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></p> <p><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></p> <p><input type="checkbox"/> Addresses of businesses with continuing needs</p> <p><b>OR</b></p> <p><input type="checkbox"/> <i>Decreased revenues narrative for business(es):</i></p> <p><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></p> <p><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></p> <p><input type="checkbox"/> Names and addresses of impacted businesses</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Clayton County, Census Tract 702		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <p><input checked="" type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</p>	<p><input checked="" type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</p> <ul style="list-style-type: none"> <li>• Iowa State University’s Daily Soil Erosion Project</li> <li>• Iowa Department of Agriculture and Land Stewardship 2015 Iowa Water Quality Initiative Legislative Report (Program Oversubscription)</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJfFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVAQWgzSHc&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJfFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVAQWgzSHc&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtM3psYXI4SV91N00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtM3psYXI4SV91N00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 123</p>

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<p><b>MOST IMPACTED CHARACTERISTICS:</b> considers the damage resulting from the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Delaware County, Census Tract 9504</b></p>		
Criteria	Data Source	Data Documentation
<p><b>Housing damage due to eligible disaster:</b></p> <p><input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b></p> <p><input type="checkbox"/> Serious damage to a minimum of 20 homes</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <p><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></p> <p><input type="checkbox"/> HUD agrees with its validity</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater</p>	<p><input type="checkbox"/> An engineering report <b>OR</b></p> <p><input type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b></p> <p><input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b></p> <p><input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b></p> <p><input type="checkbox"/> Other harm to the economy due to the disaster</p>	<p><input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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<p><b>Environmental Degradation</b></p> <p><input checked="" type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input checked="" type="checkbox"/> Support with references to any studies supporting the claim of future risk</p> <ul style="list-style-type: none"> <li>• Iowa State University Iowa Learning Farms</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfmxFS1VYVWV3bjJ5NnNQdmVNZlIdDaVZFcEdDLUIHZVpPbV9Udimk4RGVEWU&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfmxFS1VYVWV3bjJ5NnNQdmVNZlIdDaVZFcEdDLUIHZVpPbV9Udimk4RGVEWU&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 125</p>
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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors prior to the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Delaware County, Census Tract 9504</b></p>		
<p><b>Criteria</b></p> <p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p> <p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p>	<p><b>Data Source</b></p> <p><input type="checkbox"/> CDBG low- and moderate-income summary data</p> <p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

**MID-URN SUMMARY CHECKLIST B**

*Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013*

<b>MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster</b> - Response must include at least one criterion - For each criteria category selected, the corresponding data source and data documentation response must be provided <b>Target Area Name: Delaware County, Census Tract 9504</b>		
Criteria	Data Source	Data Documentation
<input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b> <input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against		
<b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria) <input type="checkbox"/> Tribal area <input type="checkbox"/> HUD Promise Zone site <input type="checkbox"/> HUD Strong Cities Strong Communities site <b>AND/OR</b> <input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate	<input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:



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MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Delaware County, Census Tract 9504		
Criteria	Data Source	Data Documentation
<p><b>Disaster impacted an area with prior documented environmental distress:</b></p> <p><input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)</p>	<p><input type="checkbox"/> State-maintained Brownfield site list <b>OR</b></p> <p><input checked="" type="checkbox"/> Other documentation of prior environmental distress</p> <ul style="list-style-type: none"> <li>• Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYlIsd00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY1IUUkIQcl9PbU9NYlIsd00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 125</p>
<p><b>Housing:</b></p> <p><input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></li> <li><input type="checkbox"/> HUD agrees with validity</li> </ul>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Delaware County, Census Tract 9504		
Criteria	Data Source	Data Documentation
<p><b>Housing:</b></p> <p><input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs</p> <p><b>OR</b></p> <p><input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs</p>	<p><b>Currently running</b> a CDBG-DR or other recovery housing program:</p> <p><input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b></p> <p><input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.</p> <p><b>Not currently running</b> a CDBG-DR or other housing recovery program:</p> <p><input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b></p> <p><input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster</p> <p><b>OR</b></p> <p><input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b></p> <p><input type="checkbox"/> A list of 20 addresses of units identified with remaining damage</p> <p><input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Delaware County, Census Tract 9504		
Criteria	Data Source	Data Documentation
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, in or serving the most impacted and distressed target area(s) <b>AND</b></p> <p><input type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></p> <p><input type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</p>	<p><input type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</p> <p><b>AND</b></p> <p><input type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></p> <p><input type="checkbox"/> Your explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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<b>UNMET RECOVERY NEED</b>		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
<b>Target Area Name: Delaware County, Census Tract 9504</b>		
Criteria	Data Source	Data Documentation
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></p> <p><b>AND demonstrate one of the following:</b></p> <p><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</p> <p><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></p> <p><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</p> <p><b>AND</b></p> <p><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</p>	<p><input type="checkbox"/> Unmet repair needs narrative for businesses:</p> <p><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></p> <p><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></p> <p><input type="checkbox"/> Addresses of businesses with continuing needs</p> <p><b>OR</b></p> <p><input type="checkbox"/> <i>Decreased revenues narrative for business(es):</i></p> <p><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></p> <p><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></p> <p><input type="checkbox"/> Names and addresses of impacted businesses</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Delaware County, Census Tract 9504		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <p><input checked="" type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</p>	<p><input checked="" type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</p> <ul style="list-style-type: none"> <li>• Iowa State University’s Daily Soil Erosion Project</li> <li>• Iowa Department of Agriculture and Land Stewardship 2015 Iowa Water Quality Initiative Legislative Report (Program Oversubscription)</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVA0QWgzSHc&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVA0QWgzSHc&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfM3psYXI4SV91N00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfM3psYXI4SV91N00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 126</p>



**MID-URN SUMMARY CHECKLIST B**

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<p><b>MOST IMPACTED CHARACTERISTICS:</b> considers the damage resulting from the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Jones County, Census Tract 701</b></p>		
Criteria	Data Source	Data Documentation
<p><b>Housing damage due to eligible disaster:</b></p> <p><input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b></p> <p><input type="checkbox"/> Serious damage to a minimum of 20 homes</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <p><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></p> <p><input type="checkbox"/> HUD agrees with its validity</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater</p>	<p><input type="checkbox"/> An engineering report <b>OR</b></p> <p><input type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b></p> <p><input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b></p> <p><input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b></p> <p><input type="checkbox"/> Other harm to the economy due to the disaster</p>	<p><input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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<p><b>Environmental Degradation</b></p> <p><input checked="" type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input checked="" type="checkbox"/> Support with references to any studies supporting the claim of future risk</p> <ul style="list-style-type: none"> <li>• Iowa State University Iowa Learning Farms</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfmxFS1VYVWV3bjJ5NnNQdmVNZlIdDaVZFcEdDLUIHZVpPbV9Udimk4RGVEWU&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfmxFS1VYVWV3bjJ5NnNQdmVNZlIdDaVZFcEdDLUIHZVpPbV9Udimk4RGVEWU&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 128</p>
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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors prior to the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Jones County, Census Tract 701</b></p>		
<p><b>Criteria</b></p> <p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p> <p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p>	<p><b>Data Source</b></p> <p><input type="checkbox"/> CDBG low- and moderate-income summary data</p> <p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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<b>MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster</b> - Response must include at least one criterion - For each criteria category selected, the corresponding data source and data documentation response must be provided <b>Target Area Name: Jones County, Census Tract 701</b>		
Criteria	Data Source	Data Documentation
<input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b> <input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against		
<b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria) <input type="checkbox"/> Tribal area <input type="checkbox"/> HUD Promise Zone site <input type="checkbox"/> HUD Strong Cities Strong Communities site <b>AND/OR</b> <input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate	<input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:

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MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster		
<p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
Target Area Name: Jones County, Census Tract 701		
Criteria	Data Source	Data Documentation
<p><b>Disaster impacted an area with prior documented environmental distress:</b></p> <p><input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)</p>	<p><input type="checkbox"/> State-maintained Brownfield site list <b>OR</b></p> <p><input checked="" type="checkbox"/> Other documentation of prior environmental distress</p> <ul style="list-style-type: none"> <li>Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY11UJkIQcl9PbU9NYlIsd00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY11UJkIQcl9PbU9NYlIsd00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 128</p>
<p><b>Housing:</b></p> <p><input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></li> <li><input type="checkbox"/> HUD agrees with validity</li> </ul>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Jones County, Census Tract 701		
Criteria	Data Source	Data Documentation
<p><b>Housing:</b></p> <input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs	<p><b>Currently running</b> a CDBG-DR or other recovery housing program:</p> <input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b>	<input type="checkbox"/> Link:
<p><b>OR</b></p> <input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs	<input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.	<input type="checkbox"/> Page number(s) in application:
	<p><b>Not currently running</b> a CDBG-DR or other housing recovery program:</p> <input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b>	
	<input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster	
	<p><b>OR</b></p> <input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b>	
	<input type="checkbox"/> A list of 20 addresses of units identified with remaining damage	
	<input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs	



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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Jones County, Census Tract 701		
Criteria	Data Source	Data Documentation
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, in or serving the most impacted and distressed target area(s) <b>AND</b></p> <p><input type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></p> <p><input type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</p>	<p><input type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</p> <p><b>AND</b></p> <p><input type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></p> <p><input type="checkbox"/> Y our explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Jones County, Census Tract 701	Criteria	Data Source
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></p> <p><b>AND demonstrate one of the following:</b></p> <p><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</p> <p><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></p> <p><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</p> <p><b>AND</b></p> <p><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</p>	<p><input type="checkbox"/> Unmet repair needs narrative for businesses:</p> <p><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></p> <p><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></p> <p><input type="checkbox"/> Addresses of businesses with continuing needs</p> <p><b>OR</b></p> <p><input type="checkbox"/> <i>Decreased revenues narrative for business(es):</i></p> <p><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></p> <p><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></p> <p><input type="checkbox"/> Names and addresses of impacted businesses</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Jones County, Census Tract 701		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <p><input checked="" type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</p>	<p><input checked="" type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</p> <ul style="list-style-type: none"> <li>• Iowa State University’s Daily Soil Erosion Project</li> <li>• Iowa Department of Agriculture and Land Stewardship 2015 Iowa Water Quality Initiative Legislative Report (Program Oversubscription)</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauDdSLTJfFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVA0QWgzSHc&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauDdSLTJfFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVA0QWgzSHc&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtM3psYXI4SV91N00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtM3psYXI4SV91N00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 129</p>

**MID-URN SUMMARY CHECKLIST B**

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<p><b>MOST IMPACTED CHARACTERISTICS:</b> considers the damage resulting from the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Jones County, Census Tract 705</b></p>		
Criteria	Data Source	Data Documentation
<p><b>Housing damage due to eligible disaster:</b></p> <p><input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b></p> <p><input type="checkbox"/> Serious damage to a minimum of 20 homes</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <p><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></p> <p><input type="checkbox"/> HUD agrees with its validity</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater</p>	<p><input type="checkbox"/> An engineering report <b>OR</b></p> <p><input type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b></p> <p><input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b></p> <p><input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b></p> <p><input type="checkbox"/> Other harm to the economy due to the disaster</p>	<p><input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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<p><b>Environmental Degradation</b></p> <p><input checked="" type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input checked="" type="checkbox"/> Support with references to any studies supporting the claim of future risk</p> <ul style="list-style-type: none"> <li>• Iowa State University Iowa Learning Farms</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfmxFS1VYVWV3bjJ5NnNQdmVNZlIdDaVZFcEdDLUIHZVpPbV9Udimk4RGVEWU&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfmxFS1VYVWV3bjJ5NnNQdmVNZlIdDaVZFcEdDLUIHZVpPbV9Udimk4RGVEWU&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 131</p>
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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors prior to the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Jones County, Census Tract 705</b></p>		
<p><b>Criteria</b></p> <p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p> <p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p>	<p><b>Data Source</b></p> <p><input type="checkbox"/> CDBG low- and moderate-income summary data</p> <p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>



**MID-URN SUMMARY CHECKLIST B**

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<b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors <i>prior</i> to the Qualified Disaster - Response must include at least one criterion - For each criteria category selected, the corresponding data source and data documentation response must be provided <b>Target Area Name: Jones County, Census Tract 705</b>		
Criteria	Data Source	Data Documentation
<input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b> <input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against		
<b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria) <input type="checkbox"/> Tribal area <input type="checkbox"/> HUD Promise Zone site <input type="checkbox"/> HUD Strong Cities Strong Communities site <b>AND/OR</b> <input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate	<input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:

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MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Jones County, Census Tract 705		
Criteria	Data Source	Data Documentation
<p><b>Disaster impacted an area with prior documented environmental distress:</b></p> <p><input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)</p>	<p><input type="checkbox"/> State-maintained Brownfield site list <b>OR</b></p> <p><input checked="" type="checkbox"/> Other documentation of prior environmental distress</p> <ul style="list-style-type: none"> <li>Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY11UJkIQcl9PbU9NYlIsd00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY11UJkIQcl9PbU9NYlIsd00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 131</p>
<p><b>Housing:</b></p> <p><input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></li> <li><input type="checkbox"/> HUD agrees with validity</li> </ul>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED		
<ul style="list-style-type: none"> <li>- Response must include at least one criterion</li> <li>- For each criteria category selected, the corresponding data source and data documentation response must be provided</li> </ul>		
Target Area Name: Jones County, Census Tract 705		
Criteria	Data Source	Data Documentation
<p><b>Housing:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs</li> </ul>	<p><b>Currently running</b> a CDBG-DR or other recovery housing program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b></li> <li><input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.</li> </ul> <p><b>Not currently running</b> a CDBG-DR or other housing recovery program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b></li> <li><input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b></li> <li><input type="checkbox"/> A list of 20 addresses of units identified with remaining damage                             <ul style="list-style-type: none"> <li><input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Link:</li> <li><input type="checkbox"/> Page number(s) in application:</li> </ul>

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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Jones County, Census Tract 705		
Criteria	Data Source	Data Documentation
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, in or serving the most impacted and distressed target area(s) <b>AND</b></p> <p><input type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></p> <p><input type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</p>	<p><input type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</p> <p><b>AND</b></p> <p><input type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></p> <p><input type="checkbox"/> Your explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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UNMET RECOVERY NEED			
- Response must include at least one criterion			
- For each criteria category selected, the corresponding data source and data documentation response must be provided			
Target Area Name: Jones County, Census Tract 705	Criteria	Data Source	
	<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></p> <p><b>AND demonstrate one of the following:</b></p> <p><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</p> <p><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></p> <p><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</p> <p><b>AND</b></p> <p><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</p>	<p><input type="checkbox"/> Unmet repair needs narrative for businesses:</p> <p><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></p> <p><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></p> <p><input type="checkbox"/> Addresses of businesses with continuing needs</p> <p><b>OR</b></p> <p><input type="checkbox"/> <i>Decreased revenues narrative for business(es):</i></p> <p><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></p> <p><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></p> <p><input type="checkbox"/> Names and addresses of impacted businesses</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>



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UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Jones County, Census Tract 705		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <p><input checked="" type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</p>	<p><input checked="" type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</p> <ul style="list-style-type: none"> <li>• Iowa State University’s Daily Soil Erosion Project</li> <li>• Iowa Department of Agriculture and Land Stewardship 2015 Iowa Water Quality Initiative Legislative Report (Program Oversubscription)</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVAA0QWgzSHc&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVAA0QWgzSHc&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtM3psYXI4SV91N00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtM3psYXI4SV91N00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 132</p>

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<p><b>MOST IMPACTED CHARACTERISTICS:</b> considers the damage resulting from the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Winneshiek County, Census Tract 9504</b></p>		
Criteria	Data Source	Data Documentation
<p><b>Housing damage due to eligible disaster:</b></p> <p><input type="checkbox"/> Damage to a minimum of 100 homes <b>OR</b></p> <p><input type="checkbox"/> Serious damage to a minimum of 20 homes</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <p><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></p> <p><input type="checkbox"/> HUD agrees with its validity</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> Damage from the eligible disaster to permanent infrastructure in a sub-county area estimated at \$2 million or greater</p>	<p><input type="checkbox"/> An engineering report <b>OR</b></p> <p><input type="checkbox"/> FEMA Project Worksheet with an estimated repair amount <b>OR</b></p> <p><input type="checkbox"/> Other evidence of an estimate of expenditures to make repairs</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> At least one percentage point higher local unemployment rate in the impacted area six to 12 months after the qualifying disaster compared to the same month in the year prior to the disaster in that area <b>OR</b></p> <p><input type="checkbox"/> Specific information that 50 or more people were no longer employed in or near the most impacted area for six months or longer due to the disaster <b>OR</b></p> <p><input type="checkbox"/> Other harm to the economy due to the disaster</p>	<p><input type="checkbox"/> Describe how the employment loss or harm stems from the Qualified Disaster (applicant may support a short description with local data or surveys)</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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<p><b>Environmental Degradation</b></p> <p><input checked="" type="checkbox"/> Must describe the damage to the environment from the qualifying disaster putting the housing, infrastructure and/or economic drivers in the area at risk of great harm for a future disaster.</p>	<p><input checked="" type="checkbox"/> Support with references to any studies supporting the claim of future risk</p> <ul style="list-style-type: none"> <li>• Iowa State University Iowa Learning Farms</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtT045RVdqRUJ0SW8&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfmxFS1VYVWV3bjJ5NnNQdmVNZlIdDaVZFcEdDLUIHZVpPbV9Udmk4RGVEWU&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfmxFS1VYVWV3bjJ5NnNQdmVNZlIdDaVZFcEdDLUIHZVpPbV9Udmk4RGVEWU&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 134</p>
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<p><b>MOST DISTRESSED CHARACTERISTICS:</b> considers stress or deficit factors prior to the Qualified Disaster</p> <p>- Response must include at least one criterion</p> <p>- For each criteria category selected, the corresponding data source and data documentation response must be provided</p>		
<p><b>Target Area Name: Winneshiek County, Census Tract 9504</b></p>		
<p><b>Criteria</b></p> <p><b>Disaster impacted low- and moderate-income households:</b></p> <p><input type="checkbox"/> More than 50 percent of people in the target area are at less than 80 percent of the area median income</p> <p><b>Loss/shortage of affordable rental housing:</b></p> <p><input type="checkbox"/> Disaster-impacted target area has a minimum of 100 renters with income less than 50 percent of median in a target area <b>AND:</b></p>	<p><b>Data Source</b></p> <p><input type="checkbox"/> CDBG low- and moderate-income summary data</p> <p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><b>Data Documentation</b></p> <p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>
<p><input type="checkbox"/> Provide a 1-2 paragraph description, with supporting data, to demonstrate this characteristic</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

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<b>MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster</b> - Response must include at least one criterion - For each criteria category selected, the corresponding data source and data documentation response must be provided <b>Target Area Name: Winneshiek County, Census Tract 9504</b>		
Criteria	Data Source	Data Documentation
<input type="checkbox"/> 60 percent or more of these have severe housing programs <b>OR</b> <input type="checkbox"/> As a result of the effects of the disaster there is new high risk of damage to more than 100 assisted rental housing units from a future event the intended intervention would protect against		
<b>Disaster impacted a federal target area or economically fragile area:</b> (must choose at least one to meet this criteria) <input type="checkbox"/> Tribal area <input type="checkbox"/> HUD Promise Zone site <input type="checkbox"/> HUD Strong Cities Strong Communities site <b>AND/OR</b> <input type="checkbox"/> Has an unemployment rate more than 125 percent of the national average unemployment rate	<input type="checkbox"/> Demonstrate this characteristic and provide supporting documentation	<input type="checkbox"/> Link: <input type="checkbox"/> Page number(s) in application:

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MOST DISTRESSED CHARACTERISTICS: considers stress or deficit factors prior to the Qualified Disaster		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Winneshiek County, Census Tract 9504		
Criteria	Data Source	Data Documentation
<p><b>Disaster impacted an area with prior documented environmental distress:</b></p> <p><input checked="" type="checkbox"/> Disaster impacted an area with prior documented environmental distress (e.g., affected area contains or is adjacent to and negatively affected by a contaminated property cleaned, undergoing cleanup, or proposed for cleanup)</p>	<p><input type="checkbox"/> State-maintained Brownfield site list <b>OR</b></p> <p><input checked="" type="checkbox"/> Other documentation of prior environmental distress</p> <ul style="list-style-type: none"> <li>• Iowa Department of Natural Resources Category 4 and 5 Impaired Waters list</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY11UJkIQcl9PbU9NYlIsd00&amp;authuset=0">https://drive.google.com/open?id=0B4GkEW8yVGbtffjBUd184ZEJqU1hXMjFoSnZuSDkzb3VXMEhVY11UJkIQcl9PbU9NYlIsd00&amp;authuset=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 134</p>
<p><b>Housing:</b></p> <p><input type="checkbox"/> A concentration of housing damage in a sub-county area due to the eligible disaster causing damage or serious damage to at least 10 percent of the homes located there</p>	<p><input type="checkbox"/> Appendix C list of disasters with concentrations of housing damage meeting this requirement <b>OR</b></p> <p><input type="checkbox"/> Local data:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Data shows concentrated damage meeting standard, <b>AND</b></li> <li><input type="checkbox"/> HUD agrees with validity</li> </ul>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>



**MID-URN SUMMARY CHECKLIST B**

Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

UNMET RECOVERY NEED		
<ul style="list-style-type: none"> <li>- Response must include at least one criterion</li> <li>- For each criteria category selected, the corresponding data source and data documentation response must be provided</li> </ul>		
Target Area Name: Winneshiek County, Census Tract 9504		
Criteria	Data Source	Data Documentation
<p><b>Housing:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Twenty or more households are still displaced from housing due to the disaster and will not be served by existing programs</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> There are twenty or more still damaged housing units in or near a most impacted and distressed sub-county target area that were damaged by the disaster and cannot be repaired with existing programs</li> </ul>	<p><b>Currently running</b> a CDBG-DR or other recovery housing program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Analysis that shows the program waiting list <b>AND</b></li> <li><input type="checkbox"/> A reasonable estimate of aggregated average unmet repair needs exceeds the existing CDBG-DR fund available.</li> </ul> <p><b>Not currently</b> running a CDBG-DR or other housing recovery program:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Briefly explain why prior allocations of CDBG-DR funding, together with other funding sources, are inadequate to provide housing <b>AND:</b></li> <li><input type="checkbox"/> Provide recent emergency management data indicating households are still displaced from the disaster</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Provide methodologically sound “windshield survey” of the most impacted and distressed target area conducted since January 2014 <b>AND</b></li> <li><input type="checkbox"/> A list of 20 addresses of units identified with remaining damage                             <ul style="list-style-type: none"> <li><input type="checkbox"/> At least 9 of these addresses confirming (i) the damage is due to the disaster and (ii) they have inadequate resources from insurance/FEMA/SBA for completing repairs</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Link:</li> <li><input type="checkbox"/> Page number(s) in application:</li> </ul>

**MID-URN SUMMARY CHECKLIST B**

Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Winneshiek County, Census Tract 9504		
Criteria	Data Source	Data Documentation
<p><b>Infrastructure:</b></p> <p><input type="checkbox"/> There is damage to permanent public infrastructure from the qualifying disaster (i.e. FEMA Category C to G) that has not been repaired due to inadequate resources, in or serving the most impacted and distressed target area(s) <b>AND</b></p> <p><input type="checkbox"/> Describe the damage, location of the damage to permanent public infrastructure relative to the most impacted and distressed target area(s), the amount of funding required to complete repairs, and the reason there are inadequate funds <b>AND</b></p> <p><input type="checkbox"/> A minimum \$400,000 in unfunded permanent infrastructure repair needs</p>	<p><input type="checkbox"/> An engineering report <b>OR</b> <input type="checkbox"/> a FEMA Project Worksheet(s) with an estimated repair amount</p> <p><b>AND</b></p> <p><input type="checkbox"/> A sources and uses statement for the repairs showing the funding shortfall (total repair costs may include the extra cost to repair this infrastructure resiliently) <b>AND</b></p> <p><input type="checkbox"/> Your explanation of why existing CDBG-DR resources, together with other funding sources, are inadequate to meet this repair need</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

**MID-URN SUMMARY CHECKLIST B**

Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Winneshiek County, Census Tract 9504		
Criteria	Data Source	Data Documentation
<p><b>Economic Revitalization:</b></p> <p><input type="checkbox"/> There are continuing unmet economic revitalization recovery needs due to the disaster in or near the most impacted and distressed sub-county target area(s) that cannot be addressed with existing resources, including CDBG-DR funds already allocated <b>AND</b></p> <p><b>AND demonstrate one of the following:</b></p> <p><input type="checkbox"/> A minimum of 5 businesses with remaining repair needs;</p> <p><input type="checkbox"/> Business revenues continued to be decreased by 10 percent or more relative to revenues prior to the disaster for one or more modest-sized employers (10 or more employees) due to the disaster; <b>OR</b></p> <p><input type="checkbox"/> Three or more smaller businesses show revenues 10 percent less than prior revenues</p> <p><b>AND</b></p> <p><input type="checkbox"/> Provide a narrative statement describing the extent of those needs and how the needs are connected with the disaster and the most impacted and distressed sub-county target area</p>	<p><input type="checkbox"/> Unmet repair needs narrative for businesses:</p> <p><input type="checkbox"/> “Windshield survey” showing a minimum of 5 businesses with remaining repair needs <b>AND</b></p> <p><input type="checkbox"/> A survey of 5 business owners confirming damage due to the disaster and repairs not completed due to not receiving adequate resources from insurance and (if applicable) other federal funds <b>AND</b></p> <p><input type="checkbox"/> Addresses of businesses with continuing needs</p> <p><b>OR</b></p> <p><input type="checkbox"/> <i>Decreased revenues narrative for business(es):</i></p> <p><input type="checkbox"/> Analysis by a reputable public or private source showing continuing economic damage to the target area within a HUD-identified most impacted county due to the disaster or a survey of business(es) who provide (i) number of employees before the storm and current; (ii) total gross revenues in year before disaster and total gross revenues in most recent year; and (iii) a description of how the reduction in revenues is related to the disaster <b>AND</b></p> <p><input type="checkbox"/> One modest size employer (10 or more employees) or three smaller businesses (fewer than 10 employees) must show most recent year total gross revenues of 10 percent less than the year before the disaster and there needs to be a clean connection to the disaster <b>AND</b></p> <p><input type="checkbox"/> Names and addresses of impacted businesses</p>	<p><input type="checkbox"/> Link:</p> <p><input type="checkbox"/> Page number(s) in application:</p>

**MID-URN SUMMARY CHECKLIST B**

Target Area is a Sub County Area (such as a place name, census designated place, tribal area, or census tract) within a county or county equivalent declared by the President to be a major disaster area under the Stafford Act for a disaster event occurring in calendar years 2011, 2012, or 2013

UNMET RECOVERY NEED		
- Response must include at least one criterion		
- For each criteria category selected, the corresponding data source and data documentation response must be provided		
Target Area Name: Winneshiek County, Census Tract 9504		
Criteria	Data Source	Data Documentation
<p><b>Environmental Degradation:</b></p> <p><input checked="" type="checkbox"/> There is environmental damage from the qualifying disaster that has not yet been addressed and cannot be addressed with existing resources <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage and how the damage is connected with the qualifying disaster and the most impacted and distressed sub-county target area <b>AND</b></p> <p><input checked="" type="checkbox"/> Describe the remaining damage to the environment with a cost estimate for making repairs or reconstruction that is \$400,000 or greater and support with references to any studies supporting them</p>	<p><input checked="" type="checkbox"/> A detailed report from a reputable public or private organization completed since June 2013 describing the remaining damage with a certification date after March 2014 indicating that there is remaining damage of \$400,000 or more</p> <ul style="list-style-type: none"> <li>• Iowa State University’s Daily Soil Erosion Project</li> <li>• Iowa Department of Agriculture and Land Stewardship 2015 Iowa Water Quality Initiative Legislative Report (Program Oversubscription)</li> </ul>	<p><input checked="" type="checkbox"/> Link:  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVAA0QWgzSHc&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfllzYUf2ckRHauUdSLTJFaWpDeEN5TDNJQUjw5YzZwaXdoSnQ5UVAA0QWgzSHc&amp;authuser=0</a>  <a href="https://drive.google.com/open?id=0B4GkEW8yVGbtfM3psYXI4SV91N00&amp;authuser=0">https://drive.google.com/open?id=0B4GkEW8yVGbtfM3psYXI4SV91N00&amp;authuser=0</a></p> <p><input checked="" type="checkbox"/> Page number(s) in application: 135</p>

Exhibit C  
Capacity Factor  
State of Iowa



## A. General Management Capacity

The State of Iowa's Department of Economic Development (IEDA) will act as the grantee. IEDA has managed the State CDBG Program since the 1980s, and successfully administered nearly \$1 billion in 2008 CDBG-DR funding. IEDA will be supported in managing HUD funding by the Iowa Homeland Security and Emergency Management Department (HSEMD) and the City of Dubuque. IEDA has in place policies and procedures which are annually monitored by HUD for compliance with overall grant/project management, and has established systems related to the procurement of contractors and professional services, quality assurance, financial management, project monitoring, reporting, and other federal requirements specific to CDBG-DR grants.

IEDA works with multiple organizations in reducing flood-risk in urban and rural settings. IEDA coordinates with HSEMD on disaster recovery and hazard mitigation activities. HSEMD manages multiple technical partners and funding streams in the implementation of large-scale disaster recovery and hazard mitigation projects. Within the disaster recovery framework, HSEMD assigns roles and responsibilities with the understanding that procedures will be put in place to operate across agency boundaries. These mechanisms reinforce agency accountability through monitoring and reporting. For example, the State Hazard Mitigation team, coordinated by HSEMD, has functioned under Iowa Administrative Code chapter 29C for more than 20 years with federal, state, local, and private partners to plan for, develop and implement sustainable mitigation practices and projects.

IEDA also partners with the City of Dubuque as an entitlement community in disaster recovery. Through its Green & Healthy Homes Initiative (GHHI), the City is working collaboratively across service providers and silos of funding to remove barriers to create healthier homes and livable communities. GHHI focuses on improving low-income neighborhoods with significant pre-1940 properties, resulting in poor indoor air quality, mold, and energy efficiency issues.

HSEMD prepared the application in coordination with IEDA, City of Dubuque, Iowa Flood Center at the University of Iowa, Iowa Water Center at Iowa State University, Iowa Department of Natural Resources, and

Iowa Department of Agriculture and Land Stewardship (IDALS).

## **B. Cross-disciplinary Technical Capacity**

The State of Iowa will utilize several agencies' technical capacity for project scoping and implementation. HSEMD will be responsible for coordinating and implementing statewide watershed activities. HSEMD is the lead agency for mitigating the impacts of hazards, and recovering from disasters that impact Iowa. HSEMD oversees all FEMA grant management and administrative activities. HSEMD has dedicated staff that will work directly with communities across the impacted region to implement best management practices and engineered solutions for runoff water retention. The DNR is responsible for state and federal laws that protect air, land and water through technical assistance, permitting and compliance programs. As the state water regulatory agency, DNR uses a science-based approach to analyze and implement improvements on Iowa's lakes through partnerships and identifies and assists private landowners to improve watersheds. IDALS is responsible for state leadership in the protection and management of soil, water and mineral resources, as well as assisting soil and water conservation districts and private landowners to meet their agricultural and environmental protection needs.

Iowa Flood Center (IFC) at the University of Iowa was established in 2009 with the goal of improving flood monitoring and prediction capabilities in Iowa, and has since developed a flood forecasting system for 1,000 communities. IFC staff has expertise in developing small- and large-scale computational mathematic models to understand hydrology within watersheds. IFC also has unique expertise in monitoring and instrumentation. IFC has deployed, in partnership with HSEMD, watershed coordinators and community leaders, over 200 low-cost stream-stage sensors to monitor river and stream levels to enhance early warning systems for flooding. IFC is experienced in deploying water quality, precipitation, groundwater, and soil moisture instrumentation to understand and quantify the impact of best management practices.

Watershed Management Authorities (WMAs) are created by an intergovernmental agreement among multiple local governments within one watershed. WMAs bring stakeholders together to compile multi-faceted solutions to flooding and water quality concerns across watersheds and between jurisdictions. There are 11

WMAs operating across Iowa within specific 8-digit hydrologic unit code (HUC) watersheds. The Iowa Water Center at Iowa State University has substantial expertise regarding agricultural management and conservation practices, agro-ecosystem modeling, GIS, remote sensing, development and implementation of custom computer algorithms, and big data management, and has access to outreach and communication resources

The City of Dubuque will support implementation of model neighborhood-scale activities that protect low-income housing from flooding. Dubuque is a full-service municipality responsible for inspection of building construction, civil engineering, economic development, stormwater management, health services and programming, housing and community development, neighborhood outreach and community engagement, zoning, and sustainability and resiliency planning and implementation.

A multi-discipline program management team will be established to provide input in addressing unmet recovery needs and assisting communities in redefining their issues outside normal thought boundaries, reaching solutions based on a new understanding of a complex situation.

All project partners have a wealth of experience conducting multi-disciplinary work. HSEMD works with multiple entities during the disaster recovery process that contribute to a community's recovery with their own resources and skill sets. As the coordinating entity in recovery, HSEMD is able to communicate with and strengthen relationships among these entities to achieve recovery objectives. The DNR engages state and federal agencies, soil and water conservation districts, Iowa State University, industry and agricultural organizations, local governments, recreation and sporting organizations, and agricultural groups to implement the state's watershed programs. IDALS works with watershed-based programs and projects and has worked collaboratively with DNR in watershed efforts for more than 25 years.

With nationally-recognized expertise in water resources, IFC has developed multiple partnerships to tie science and engineering analysis to real-world impacts in communities. This includes partnerships with federal, state and local governments, producer groups, private businesses, and non-profits, as well as other academic partners. Iowa Water Center staff brings together agronomists, agricultural engineers, geographers, and data scientists to leverage the expertise of all team members for optimized project performance.

WMAs convene cities, counties, Soil and Water Conservation Districts, and other stakeholders to cooperatively engage in watershed planning and management. Over \$1.7 million in competitive grants have been awarded to WMAs. These funds were used to develop comprehensive watershed management plans.

Implementation of the Bee Branch Healthy Homes Resiliency Plan is supported by a multi-disciplinary team drawn from Dubuque's Housing & Community Development, Engineering, Health Services, Planning Services, and Building Services departments, as well as the Neighborhood Development, Sustainability, and City Manager's Offices.

In the State of Iowa, HSEMD facilitates emergency management planning in six regional planning districts. HSEMD also led a statewide effort in 2013 to assess resiliency vulnerabilities and gaps, and developed and is implementing the comprehensive *Iowa Strategy for Homeland Security and Emergency Management 2015-2017* to help communities prepare for natural and man-made hazards. The DNR and the WMAs develop comprehensive, multi-objective watershed plans to assess flood risk, develop strategies to improve water quality, educate residents on watershed management, and coordinate stakeholder engagement while securing funding to implement projects. The Iowa Water Center has designed a statewide framework for data collection and workflow for data analysis. This procedure was originally implemented more than a decade ago, and is being rewritten with data of improved quantity and quality. IFC regularly works with IEDA to implement projects and practices that provide protection against future floods. Their work is critical to Iowa's economic and environmental recovery and resilience in future disasters. The implementation of project activities will be assisted by the IFC's existing resources and vast experience in large-project management within HUC-8 watersheds.

Dubuque adopted a Comprehensive Plan in 1995, which has been updated through community engagement processes in 2002 and 2008. The City was an active participant in creating the Dubuque County Regional Comprehensive Plan, which involved six other cities and played a leading role in developing the Catfish Creek Watershed Management Plan. Dubuque was selected in March 2015 to receive EPA Brownfields Area-Wide Planning funding for the revitalization of its South Port. Partners bring the following capacities to the project:

- Data analysis: IFC and the Iowa Water Center will provide data analysis for project site selection, and deploy monitoring instrumentation to assess the impacts of each project for water quantity and quality. Staff will actively engage in identifying approaches to address remediation of damage caused by extreme weather events.
- Public works: The Iowa Association of Counties (ISAC), Iowa Department of Transportation (DOT), and the DNR will coordinate efforts among county supervisors, engineers, and emergency management. The DNR and DOT will provide technical assistance through permitting, and compliance programming to move projects forward.
- Affordable housing: Dubuque’s Bee Branch Watershed encompasses historic neighborhoods that include affordable workforce housing. The City’s Housing and Community Development Department is adept at administering CDBG funds to support affordable housing, and is prepared to quickly launch improvements at the neighborhood-scale that improve the resiliency of low-income residential structures.
- Environmental quality: IDALS and the DNR, through over 20 years of collaboration on watershed projects, will provide farmers and landowners with financial and technical assistance to install practices that preserve Iowa’s highly productive soil, prevent erosion, and protect critical waterways. The DNR carries out the regulatory requirements of protecting Iowa’s air, land, and water quality.
- Community engagement: In partnership with State agencies, the IFC, the WMAs, the Nature Conservancy, the Iowa Soybean Association, the Iowa Heritage Foundation, and the Iowa Agricultural Water Alliance will engage land owners and communities in local conservation practices and provide access to land protection tools.
- Design: IFC working with the WMAs and DNR as well as other State and federal watershed programs will design site specific projects that deliver multi-benefit objectives. Progress will be monitored and measurable for success in peak flow reduction.
- Engineering: ISAC, the DNR, the DOT, and IDALS will work together for engineered solutions. Scientists and Engineers at IFC and the Iowa Water Center will provide technical support from project scoping to



implementation.

The IFC, as the nation's only academic center devoted to flood-related science, is engaged in multiple projects that seek to understand the implications of a changing climate. One such project with the Federal Highway Administration focuses on the potential climate impacts to Iowa's aging road and bridge infrastructure, but could be expanded to assess the impact of climate on urban and agricultural land use plans, railways, utility distribution systems, and additional infrastructure networks.

The Iowa Water Center is also well-positioned to evaluate the effects of climate change on future soil erosion in Iowa and the Midwest. Currently, it uses daily weather data to calculate and report precipitation, runoff and soil erosion. If climate projections of sufficient temporal scale are made available, such data could easily be utilized to predict daily runoff and soil erosion under future climate scenarios. The model could also be altered in order to assess the effects of different agricultural management practices and the interactions between climate change and land use change.

Iowa recently updated its analysis of impediments to fair housing in which state data was analyzed for racial or economic disparities. The State annually contracts with the Civil Rights Commission to conduct education and outreach, fair housing testing on discrimination, and fair housing filings and closures.

Dubuque's Human Rights Department also has experience working with civil rights and fair housing issues, including working with data to analyze racial and economic disparities. The City is partnering with 37 partner organizations across the community in a network called Inclusive Dubuque. That network is in the process of developing a community-wide equity profile. The profile will report on how racially and ethnically diverse groups are affected by various systems in the community, including economic opportunity, housing, neighborhood safety, education, health, transportation, and arts and culture. Action planning to address disparities will begin later this year.

Excellent program design quality will be achieved through a cross-disciplinary approach within the program management team. HSEMD, acting as the program lead, will ensure that any potential activities align with the state's long-term disaster recovery and mitigation goals outlined in the 2013 Enhanced State Hazard Mitigation

Plan. The identified partners will ensure the technical design quality of the program activities. The IFC, through highly-detailed mathematical models of each watershed constructed to assess the impacts of each project, understand the delicate conditions within each watershed, and assess the impacts a changing climate may have at the watershed scale. The results from implementing practices, monitoring, and modeling the target watersheds will provide an innovative framework to disaster resiliency that will be expanded and customized for any watershed in Iowa.

HSEMD is collaborating with the Natural Resources Conservation Service (NRCS) to reach out to recently retired professional engineers, civil engineering technicians, and soil conservation technicians within the state. By building and maintaining a list of potential “boots on the ground” contractors, the project will not be slowed by partnership issues. Monitoring and project implementation will also be enhanced by reaching out to similar organizations with retired members who may have the time and background to contribute to this effort.

The program management team will determine cost reasonableness based on activity type. Infrastructure projects will be evaluated through FEMA’s benefit cost analysis software. Environmental activities will be coordinated through the IFC modeling analysis and Iowa State’s DEP model. The cost-benefit analysis for the DEP model has two phases: identification of costs to implement the project, and identification of potential benefits to partners and stakeholders. This basic approach is valid because implementation cost and potential benefit can be easily identified. HSEMD project officers have extensive experience using the FEMA BCA methodology and are recertified through FEMA EMI coursework every two years. IFC and Iowa State’s DEP team are nationally recognized for their work in this field and have the sufficient scientific background to prove the cost reasonableness.

### c. Community Engagement

Iowa will demonstrate a sustained commitment to community engagement throughout project activities. IEDA and HSEMD have an ongoing technical assistance relationship with nearly every community in Iowa. The establishment of the 2014 Long-Term Recovery Task Force, coordinated by HSEMD, organizes entities to support long-term recovery from the federal to local level based on the identified needs and vulnerable

populations. HSEMD participates in the local mitigation planning process to assist with the development and prioritization of needs and opportunities. HSEMD currently maintains an unmet needs list from this interaction for future funding opportunities. Through the coordination of local mitigation planning, HSEMD is able to gather ideas and quickly identify resources that support project design and implementation. Feedback will be incorporated through the review of current local mitigation plans, comments received at public hearings, and through coordination with the WMAs. Outreach will be conducted to keep stakeholders engaged as the project is implemented. This will include local communities and entities directly affected by the proposed activities to address concerns and questions.

All partners will support community engagement efforts. The IFC is highly engaged with community members, and will support the project by presenting science in a meaningful and understandable way. The Iowa Water Center will engage community stakeholders through multiple extension and outreach outlets, including the Iowa Water Conference, an annual event hosted by the Iowa Water Center. This conference provides a venue to disseminate information, foster dialogue and receive feedback relative to recent and ongoing project developments. The City of Dubuque will also support outreach efforts. In 2013, Dubuque hired a Community Engagement Coordinator who is equipped to implement the organization's community engagement strategy. A cross-departmental staff team has developed a community engagement model and techniques that will be implemented in the Bee Branch Healthy Homes Resiliency Plan.

Iowa empowers community leaders through the long-term disaster recovery process. IEDA, HSEMD, DNR, IDALS and many others partner to provide technical and planning assistance to local communities. These agencies assist in identifying funding opportunities for project implementation and unmet recovery needs. This assistance provides community leaders the tools for effective decision making after a hazard event. The Iowa Soybean Association, The Nature Conservancy, the Iowa Natural Heritage Foundation, and the Iowa Agricultural Water Alliance utilize their relationships with landowners to coach and encourage local conservation practices. The IFC in coordination with the WMAs include local decision makers in project scoping for successful outcomes.

HSEMD's experience includes providing the strategic direction of the long-term recovery process, which includes the cycle of preparedness, response, recovery, and mitigation. HSEMD assists with the identification of the challenges facing a community in implementing recovery and risk-reduction activities. Best practices are provided to a broad range of entities engaging in this process. Partners with technical expertise deploy to engage local leaders during the consultation and implementation phases of a project.

The Iowa Water Center's experience includes relating to diverse community groups and communicating complex concepts in understandable terms. The Iowa Flood Center, in partnership with the WMAs, also continuously engages local leaders in watershed management and flood-risk reduction issues in partnership with HSEMD. The resulting structure is a private-public partnership engaging in long-term recovery at the local level.

#### d. Regional or multi-governmental capacity

IEDA and HSEMD work comprehensively through Hazard Mitigation Assistance (HMA) and the state-funded Flood Mitigation Board to address regional flooding issues. Since the devastating flood events of 1993 and 2008, retrofitting projects for critical facilities and infrastructure, as well as the acquisition and/or relocation of flood impacted residential and commercial structures are a top priority for the State of Iowa. More than \$1.2 billion have been dedicated to these actions.

The City of Dubuque participates in a number of regional initiatives including: Dubuque Metropolitan Area Long-Range Transportation Plan, Comprehensive Economic Development Strategy, Dubuque County Regional Comprehensive Plan, Prosperity Eastern Iowa, Catfish Creek Watershed Management Plan, Dubuque County Comprehensive Emergency Management Plan, and Dubuque County Multi-Jurisdictional Hazard Mitigation Plan.

Iowa's proposed approach to resiliency requires regional solutions to address unmet recovery needs. The benefits will reach a larger population and be more cost effective than the stand-alone, infrastructure-based solutions. From the hazard mitigation planning framework to project design, multiple partners are engaged to bring the best hydrology modeling forward for stakeholder consideration. Public hearings will be held to discuss

the approach and potential solutions to the hazard. Community leaders will engage citizens directly affected by the effort to provide comments and feedback for consideration. Partners will also utilize best management practices in their respective fields to design and implement multi-benefit solutions for flood risk reduction.

Partners are already working regionally to address resiliency. Dubuque, for example, participates in a number of regional initiatives to mitigate future events. Regional strategies include: transportation, economic development, watershed management, emergency management, and hazard mitigation. Proactive mitigation planning at the local level can help reduce the cost of disaster response and recovery to property owners and government by protecting critical community facilities, reducing liability exposure and minimizing overall community impacts and disruption.

Iowa, in partnership with United Way's 211 programs, facilitates assistance to vulnerable populations during disaster events. This framework will be utilized to communicate resiliency initiatives in target areas. As the Bee Branch project progresses, property values are likely to appreciate in the neighborhood. Many of the lower-income residents are also members of racial minorities and are more likely to rent instead of own their homes. While Dubuque is undertaking the Bee Branch Creek Restoration Project, it is also implementing asset-preservation strategies by including rental rehabilitation and homeowner rehabilitation, first time homebuyer loans programs, and affordable housing strategies to develop and preserve affordable housing to sustain an economically integrated neighborhood. The City will follow an anti-displacement and relocation strategy that hinges on maintaining a household's current residence whenever possible but also providing relocation assistance when necessary. To preserve tenants in private-market rentals, the City's new housing inspection fee schedule provides incentives for property owners renting to Section 8 voucher holders. The city also provides rehabilitation loans and tax abatements to landlords in return for maintaining affordability.

HSEMD will form a new multi-agency program management team to design and implement projects that address unmet recovery needs in the target areas, and refocus resiliency efforts on source identification of the flood hazard. That relationship between source and impact will be the basis for moving disaster resiliency forward from the local community to a statewide approach.



Exhibit D

Need / Extent of the Problem

State of Iowa

## Unmet recovery needs and the characteristics and location of geographic most impacted and distressed areas.

From 2011-2013, Iowa received eight Presidential disaster declarations, encompassing 73 of Iowa's 99 counties. Hundreds of communities, representing more than 70 percent of the state's geography, were impacted by severe storms, tornados, straight-line winds, and flooding. These disaster events reflect an increase in the frequency and intensity of weather events and leave communities with depleted resources, while the cost of maintaining critical assets increases. Through the framing process of this application, the State of Iowa conducted a risk and vulnerability assessment specific to the qualified events to determine the most impacted and distressed areas. From that analysis, unmet recovery needs were identified and used as the basis for developing Iowa's approach to disaster resiliency.

The State of Iowa is submitting threshold information for the City of Dubuque and 42 sub-county areas. Through the process of collecting and analyzing the best available data for hundreds of potentially eligible sub-county areas eligible under these eight disaster events, it is evident that the targeted areas are substantially negatively impacted because of these events, and are at further risk for greater damage in subsequent events due to the unmet recovery needs. Additionally, these areas offer the best opportunity for the State of Iowa to begin to effect change in the disaster resiliency process.

As demonstrated in Exhibit B, the following unmet recovery needs were identified in the most impacted and distressed areas as a result of the eight qualifying disasters:

- Structural damage to low-income households housing in Dubuque;
- Damage to permanent public infrastructure that has not yet been repaired due to inadequate resources was found in eight counties, including Lyon, Buena Vista, Pottawattamie, Tama, Benton, Allamakee, Dubuque and Lee Counties.
- Environmental degradation (significant loss of topsoil) was found in 18 rural counties, including Sioux, Cherokee, Ida, Clay, Pocahontas, Sac, Marion, Marshall, Tama, Jasper, Poweshiek, Iowa, Buchanan, Winneshiek, Clinton, Johnson, Cedar, and Delaware Counties.

In Dubuque, more than 200 homes concentrated in the Bee Branch Creek target area (Census tracts 1, 4, 5,

6, and 11.2) reported damage following the July 2011 storms. Approximately 69% of the people in the flood-prone area are at less than 80% median income. Eight sub-county areas defined as most impacted and distressed still have significant infrastructure challenges. Unmet infrastructure needs are estimated at \$[38,711,633], as determined by FEMA Project Worksheets and/or Engineering Reports. These costs include the inclusion of resiliency measures that will protect this infrastructure from future disaster events.

### Most Impacted and Distressed

To determine the impact of the qualified events on environmental degradation, soil erosion was used as the leading indicator. The loss of soil is a significant economic impact to the affected area, and contributes to downstream effects through increased sedimentation and increased nutrient pollution which leads to deteriorating conditions downstream of the impacted area. Impacted and distressed rural areas suffered significant soil erosion and soil loss during the storms and flooding events that far exceeded any established sustainable annual limit for maintaining soil health and productivity.

The State of Iowa and its partners will assess projects and activities using the following factors:

- Through the hazard mitigation planning process, local communities are engaged in understanding risk based on historic occurrence intervals. This information will be gathered from a variety of sources, including the National Climatic Data Center (NCDC) and other reporting mechanisms, to determine the how the threat of future occurrences relates to the proposed resiliency measures.
- More than 70 percent of the state now operates under updated mapping and hydrology. In addition, parcel data is now readily available for input into HAZUS level 2 modeling, which will provide a graphic basis for understanding future risk in activity and project selection.
- Climate and other environmental considerations will be included in the rating factors through collaboration with IFC, DNR, IDALS, and Iowa State University's Iowa Water Center. These considerations include water quality and quantity impacts of agricultural subsurface drainage as a percent of change. Consideration will also be given to prioritized watersheds within the nutrient reduction strategy.

- Lessons learned and best management practices from the Watershed Demonstration Project (HF 2459 and HF 2459) will be applied to proposed projects. This previous experience will help Iowa maximize soil holding capacity, minimize severe scour erosion and increased sedimentation during floods, manage runoff in uplands, and mitigate structural and non-structural flood damage.

Once the specific project areas are determined, all partner entities will do an evaluation of the area's financial and technical resources to add surrounding watershed areas to the project area. One potential avenue to identify these areas includes an analysis of the surrounding area and how their hydrology and risk correlates with the target area. If there are co-benefits that could be achieved through expansion of the area, a cost-benefit analysis will be utilized to support the expansion decision.

The State of Iowa, through an analysis of the qualified disaster events, chose to focus on flash and riverine flooding. Flash and riverine flooding produces harmful urban and rural impacts. In Dubuque, flood disasters have repeatedly impacted residents and employees of the businesses within the watershed. Historically, the Mississippi River flooded Dubuque's low-lying riverfront areas. In 1973, an earthen levee and concrete floodwall system was completed, and disasters related to the Mississippi River have largely been avoided. However, Dubuque's recent disaster events are unrelated to the Mississippi River. These disasters were caused by flash flooding as a result of localized, intense rainstorms. Unlike Mississippi River flooding, flash flooding occurs with little or no warning, with water levels rising at extremely fast rates.

Across the remaining impacted and distressed sub-county areas, riverine flooding has resulted in both infrastructure damage and environmental degradation. This threatens rural Iowa's farm economy. Soil erosion following significant storm and flooding events is occurring at an unprecedented rate, and continued damage to public infrastructure impairs farmers' ability to efficiently bring food to market.

An analysis of the State of Iowa's historic data related to disaster events overwhelmingly concludes that flooding is the most significant and costly hazard facing communities. Iowa's mitigation strategy for the last 10 years prioritizes funding to implement activities involving flood risk reduction. Through the implementation of these projects, it is clear that in addition to mitigating structures in the floodplain, more needs to be done

upstream to arrest water where it initially lands.

Project partners also identify flooding as the paramount disaster threat. Flash flooding in Dubuque's Bee Branch Watershed has repeatedly posed a clear danger to the lives and livelihood of citizens based on six Presidential Disaster Declarations between 1999 and 2011. The City commissioned an engineering study in 1998 to look into the nature of the flooding and identify solutions to mitigate or eliminate the flash flooding experienced in the Bee Branch Watershed. The 2001 Drainage Basin Master Plan outlined improvements throughout the watershed to mitigate future flash flooding disasters.

Every county in Iowa is covered by one of the 1,660 stream watersheds identified by the United States Geological Survey's 12-digit Hydrologic Unit Code (HUC), and as shown by the supporting documentation in Attachment E, DR-1977 through DR-4135 Most Impacted supporting documentation, the primary determinant for impacts from flooding is the location in which the rain falls. Therefore, it can be argued that Iowa's entire population is vulnerable to the risk of flooding dependent on the location of any given rainfall event.

The problem of soil erosion is not limited to extreme rainfall or flooding events, either; soil degradation occurs during normal rainfall events or through poor land- management practices. Poor soil holds less water and erodes more quickly than healthy soil. Because of this, the risk for greater damage from flooding is compounded due to water being delivered more quickly into the watershed.

Flooding will also continue to affect Iowa's urban population. In Dubuque, flood disasters have repeatedly impacted the 3,190 people who live within the flood prone area, including the Washington, Point and North End Neighborhoods. These three neighborhoods contain the community's oldest housing and are among those least able to recover from flood loss and devaluation after such events. The majority of the residents in these neighborhoods are low- to moderate-income and racially and ethnically diverse compared to the city as a whole. Extreme flash flooding within the Bee Branch Watershed also has a great impact on public infrastructure, City services and citizens residing both within and outside the flood impacted area. The financial impact that an average flood event has on the City of Dubuque is \$561,311.

The State of Iowa and its partners identified the unmet recovery needs in the target areas using the



hydrology at work in the area, the topography and composition of soils, transportation infrastructure, economic activity, recorded precipitation from qualifying events, and the age and composition of housing. This analysis was conducted in late February 2015, and included data sets from the last four years.

The City of Dubuque's 2001 Drainage Basin Master Plan was used to determine risk at the micro urban level. That Plan established that there are more than 1,100 properties at risk of flood damage due to flash flooding. A 2009 FEMA study also identified a flood prone area with 1,373 properties.

All statewide data sets were gathered from partners that employ hydrologists, engineers, soil scientists, and housing specialists who actively engage in long-term disaster recovery. The City of Dubuque's Drainage Basin Master Plan was prepared by a professional engineering firm utilizing NOAA and other national climate change resources. The hydraulic and hydrologic models used in the Plan comply with FEMA and U.S. Army Corps of Engineers standards.

Agricultural producers risk losing the production value of the soil they work for crop production. As soil erosion continues to escalate with flooding events, additional chemical fertilizers will need to be applied to maintain productivity. These additives will be washed off during flooding events into streams and rivers, affecting water quality for all communities downstream.

Rural communities face costly infrastructure upgrades to meet the challenges of water quantity and water quality. Most rural communities cannot bare these additional costs and could un-incorporate. Businesses will also likely shut down and relocate, accelerating the decline of rural Iowa.

In urban communities like Dubuque, continued flash flooding will pose significant risks to people living in flood prone areas, particularly low-income residents. Accelerated disaster events as a result of climate change will lead to increased infrastructure costs, economic disruption, displacement, and loss of life.

The risks facing Iowa are serious and growing. Communities across the state are experiencing more frequent and intense disaster events. In Dubuque alone, historical rain data shows that the community has had three 100-year storm events, two 50-year storm events, one 25-year storm event, and one 10-year storm event since 1999. In May 1999 the record rainfall for a 24-hour period was 6.4 inches. That amount was equaled in 2002 and later

surpassed in 2011 when 10.2 inches of rain fell in a 12-hour period. Rain during the months of May and June 2008 totaled 15.7 inches, the highest on record. These trends are expected to continue.

The secondary and tertiary impacts from the identified risks carry serious local and downstream impacts, and are already present within many areas of the state. Most recently, a lawsuit was filed against the agriculturally-based counties of Sac, Buena Vista, and Calhoun by Des Moines Waterworks over the excessive amount of nitrates present in the raw water treated for use in the Des Moines Metropolitan Area. Other communities across the state are grappling with decisions of how to improve their water management systems to deal with the intensity of water flow and the quality of water flowing downstream. There is not enough public funding to support this need. A 2005 Report from the Iowa Policy Project cites 139 incorporated communities and 600 unincorporated communities without sewage service, generating approximately 1.2 billion gallons of inadequately treated or untreated sewage a year.

Flooding of homes also impacts people's health. Of the 21.8 million people reported to have asthma in the U.S., approximately 4.6 million cases are estimated to be attributable to dampness and mold exposure in the home. Asthma causes 2 million emergency room visits, 500,000 hospitalizations and more than \$56 billion in economic costs. In Dubuque, during 2013, 2,385 asthma-related emergency room visits totaled over \$868,140.

While the problem of flooding is well known across the state, and the multi-faceted solution of asset protection and water arrest within the watershed has been identified, it is not yet clear exactly what activities will provide the most benefit in any given area. The identified target areas all require a level of analysis to determine which activities will be most beneficial to the overall goal of future hazard risk reduction. This will most likely be a combination of activities including structural elements, landowner outreach, and constituent buy-in from landowners.

Statewide, data is not readily available. In urban Dubuque, data is not readily available for private buildings, improvements, and residences other than City-owned property. Buildings and improvements owned by the City are adequately insured through commercial insurance and participation in a local government risk pool.

Several factors affect community participation in the National Flood Insurance Program (NFIP). Of the 721

Iowa communities that have been identified by FEMA as having special flood hazard areas (SFHA), 620 or 86 percent are currently participating. Cited reasons communities are not participating include 1) because the identified SFHA is small and/or do not affect any existing structures, 2) there is no perceived need to do so by the constituency, 3) the governments feel incapable of complying with NFIP's requirements due to lack of resources and personnel. Individual decision factors include: 1) cost is too high, 2) lack of awareness of program or individual risk, or 3) lack of access to policies. In addition, most agents do not market.

By implementing activities that address Iowa's flooding vulnerability, the State will address a number of unmet needs. In rural areas across the state, projects will rebuild soil health, reduce peak flood flows, increase soil productivity (and subsequently reduce the amount and costs of inputs), boost economic activity, diminish future costs from infrastructure damage, and decrease the costs to society for cleanup of degraded natural resources (surface water). In urban areas like Dubuque, implementation of the Bee Branch Healthy Homes Resiliency Plan will repair flood damaged dwellings; replace furnaces, water heaters, and other key appliances; improve weatherization and energy efficiency; mitigate mold, radon, lead-based paint, and other household hazards; and enhance quality of life for residents.

To reduce flooding risks, the State will endeavor to reduce peak flood flows by keeping water in the fields for longer, which allows for existing infrastructure and infrastructure previously improved through disaster recovery funding functioning within its designed level for all but the most extreme events. Efforts to improve low-income housing impacted by disasters in Dubuque also support long-term recovery. Helping homeowners who have been unable to address their unmet housing needs will improve health outcomes, safety, livability, and affordability in the Bee Branch Watershed.

The impacts of flooding create challenges for vulnerable populations. Frequently transportation routes are disrupted, water utility systems are compromised, and homes are inundated with contaminated water. Iowa in partnership with the Iowa Disaster Human Resource Council and United Way's 211 program will work to identify social vulnerability in potential project areas. Dubuque's Bee Branch Healthy Homes Resiliency Plan will work across multiple agencies and jurisdictions, and across separate silos and sources of funding. This will

help to identify and remove barriers to holistic, efficient and household centric approaches to improving the health, safety, livability and affordability of housing in the watershed. As such, the risks of disproportionate effects on any population group are minimized significantly.

A number of conditions exacerbate vulnerability for communities within the state as well as outside of its' borders downstream. It is apparent from the condition of Iowa's streams that excessive amounts of fertilizer are being deposited in waterways. The pollution caused by this fertilizer negatively affects the surrounding areas and areas downstream of the sources of the pollution. The continued existence of this pollution and the negative environmental impacts created by it are a result of soil loss and degradation, which if properly addressed, can significantly improve both the environmental condition of the immediate and downstream areas, and also contribute to economic growth through increased productivity and decreased costs of production in the agricultural sector.

Significant progress has been made in flood risk reduction for urban communities. State Agencies in partnership with local leaders plan, design, and implement hazard mitigation activities to protect people and infrastructure from future harm. The Flood Mitigation Board has committed over \$450 million dollars for the future implementation of urban flood risk reduction solutions. Addressing soil degradation is fundamental to building a comprehensive resiliency strategy in this primarily agrarian state. Traditional funding solutions, through the USDA, have been limited and oversubscribed in Iowa for many years. By approaching the solution holistically, the State is recognizing that water systems, both rural and urban, are joined and cannot be dealt with individually.

Over 4,500 feet of buried Bee Branch Creek is being excavated and restored to mitigate flash flooding, improve environmental quality, and create a daylight creek and park space for Dubuque's most at-risk neighborhoods. Over 1,150 homes and businesses are benefiting from the project, which includes the conversion of 240 green alleys and totals over \$200 million in construction and restoration.

Exhibit E

Soundness of Approach

State of Iowa



## a. Consultation

Consultation will occur at two levels: statewide for the larger watershed efforts, and within Dubuque for efforts to protect low-income housing from disaster events. The project team will encourage statewide stakeholder collaboration in forming site-specific project activities by conducting regional community roundtables in the identified target areas. Iowa will utilize the membership base of the State Hazard Mitigation Team and the Long-Term Recovery Taskforce to reach stakeholders with experience in these communities related to the State's requirements listed in 24 CFR 91.110 (a)-(e). Project partners will assist with the facilitation of these roundtables and provide the technical feedback to move the project development process forward. Throughout the consultation process, the project team will consider innovative ways to reach vulnerable populations with the goal of maximizing the visibility of the project-development process. Once the application program/projects are drafted, a public hearing and the required follow up activities will be completed.

At the urban scale, Dubuque will rely on a strong foundation of public/private partnerships and community engagement to ensure that implementation of the project includes all stakeholders and involves input from and outreach to all residents. Monthly meetings of project partners with structured agendas and assignments will ensure that all program partners are engaged and meeting the defined outcomes. The City's Community Engagement Toolkit will be used to identify stakeholder audiences, including traditionally marginalized population, communication strategies and opportunities for input and implementation.

Since 2008, IEDA and HSEMD have worked together to address flood risk reduction strategies across the State. This competition allows the State and its partners to engage in a holistic conversation about the stresses and shocks Iowa communities face during a hazard event. HSEMD, through the Long-Term Disaster Recovery Task Force and individual stakeholder visits, conducted a series of meetings discussing the current framework of disaster recovery efforts. These initial stakeholder conversations quickly revealed the complexity of water management systems related to flooding. Through these discussions several concerns came forward including water quality and quantity issues, the increasing impact of climate change and precipitation change, the current and growing list of impaired streams in the state, the loss of wetlands, the need for continued refinement and

support of conservation practices, additional attention to implementing the nutrient reduction strategy, increased incentives that make soil-building best management practices more attractive to landowners in priority watersheds, and ecosystem management issues including wildlife habitat and biodiversity.

Dubuque has also begun engaging stakeholders in its resiliency efforts. Since the beginning of the redesign of the Bee Branch Creek, the Washington, North End and Point Neighborhood residents and businesses have been primary partners. A 16-member community advisory committee collaborated with City staff and consultants on the daylighting of the Bee Branch Creek. A Bee Branch Communications Specialist has also been hired, whose primary job is to share information with the affected neighborhoods in a variety of formats and gather and respond to feedback and concerns of the neighborhood. Topics that have already been addressed as part of the Bee Branch project include infrastructure and creek design, recreation/amenity design and construction safety

The stakeholders for this project are a combination of local, state and federal government agencies, identified in Attachment D, who are involved in disaster recovery, hazard mitigation and watershed management initiatives. Advocacy and special interest groups for agricultural producers, environmental groups and small business have been involved in preliminary discussions regarding statewide resiliency efforts, and will continue to add value through the public participation process in site-specific project development.

HSEMD began working with the most impacted and distressed areas with unmet recovery needs through the Public Assistance Program. The participants include state government agencies, county government, municipal government, school districts, taxing districts, Indian Tribes, and private non-profits that perform services for the impacted communities. HSEMD coordinates disaster recovery and outreach through the Long-term Recovery Task Force. This multi-agency team coordinates assistance and works with the local communities to establish a continuum of care for the most affected community members. The Iowa Disaster Human Resource Council (IDHRC), also coordinated through HSEMD, works to address disaster response needs and the potential for disaster case management early in the disaster cycle.

Dubuque's stakeholders include the Visiting Nurses Association, Community Foundation of Greater Dubuque, Operation New View Community Action Agency, Crescent Community Health Center, Green Iowa

Americorps, the Dubuque Community School District, local utility providers, and various City departments. These entities have had substantial input on the development of this proposal, and will continue to collaborate on the implementation of the proposed program through monthly meetings, client recruitment and referrals, coordination of inspections and data collection, community outreach, and analysis of achievement and barriers.

Stakeholders for statewide resiliency efforts will be engaged through regional roundtable meetings. The emergency management commissions, made up of local municipal and county leadership, will collaborate with partners to publicize these events. Application and project materials will be posted online, and a series of conference calls will be organized to gather comments on project/program development.

In Dubuque, the City will advance collaboration through a Collective Impact approach. The program will create stronger connections between existing housing, health, energy, workforce, community development, and education programs in order to work more effectively and efficiently. In addition to monthly meetings, project partners will provide regular updates to elected officials and boards of their respective organizations. These regular updates will ensure that any policy, program or budget decisions related to the project can be made in an informed, timely manner and receive the administrative and financial support necessary for success.

Through the Long-Term Recovery Task Force, regional case management organizations, non-profit advocacy groups, and state agencies were engaged in the risk assessment and vulnerability analysis. Additionally, The Sac and Fox Tribe of Mississippi are identified as a community with repetitive flooding events without sufficient resources to fully recover. HSEMD, IEDA and the Tribe established a working group to identify their most vulnerable areas at risk to flooding. From these conversations, the tribe is investigating their unmet recovery needs and how to build resiliency in their community. This includes continuing the process of joining NFIP. The State of Nebraska also contacted Iowa for a Missouri River Corridor concept, which is home to many low to moderate- income populations.

Many of the neighborhoods included in Dubuque's project include low-income populations. These residents have been involved since the inception of the project as described above. Dubuque employs a "reach-in" approach to working with groups that are not well connected to their community, participating in their existing activities to define challenges and opportunities for improvement and collaboration.

Throughout the consultation process, project partners met with various natural resources, environmental and agricultural advocacy groups to determine the status of progress in disaster resilience. The City of Dubuque and the Sac and Fox Tribe of the Mississippi also consulted with their vulnerable populations current to determine their unmet recovery needs.

For many people, rural and urban alike, it is not always obvious how land use management decisions can influence the flood risk vulnerability of residents and communities downstream. Community-supported water and transportation infrastructure can gain resiliency when decisions are made with a watershed mindset.

Neighborhood advocates have also recommended a specific partnership with landlord associations in implementation of this program. While structural issues may be one-time issues, the high rate of renters in the affected neighborhoods mean that recurring outreach to tenants will be needed. Ongoing outreach will ensure proper maintenance behaviors, and educate tenants who may be new to the area on how to respond in the event of a natural disaster. Additional education is also needed about financial support opportunities for renters who are not eligible for traditional housing assistance programs.

Iowa is considering and is in the process of discussing the indirect risks and vulnerabilities in the environment of our target areas. Project activities will be scoped with partners to further the development of healthy communities for all citizens. By addressing flooding at the watershed level, the potential for improved water quality including the reduction of nitrates in drinking water will greatly benefit residents. Sustainable land use, improvements in the food chain process, and open green spaces are all potential co-benefits.

Collaboration with stakeholders has shifted Iowa's traditional disaster recovery path from urban infrastructure-centered project development to the more holistic, integrated watershed systems management approach. This approach has the benefit of being a pathway to significant changes in water quantity, water quality, nutrient flow reduction, and land conservation practices. This approach benefits local municipal governments and utilities, and also engages private landowners and producers in developing solutions.

Concerns about the potential for gentrification have also been raised by stakeholders. Through policy, housing and self-sufficiency programs, small business investment, and careful attention to demographic and economic indicators, project partners will work to ensure that this is not an issue that comes to life.

## b. Idea or Concept

The State of Iowa proposes an interagency coordination team composed of local, state, federal, and other water-related organizations and advocacy groups working collaboratively on various aspects of flood risk reduction activities. This interagency team will have a constantly evolving partnership that adapts to current needs and issues identified by the community. The team will provide a mechanism to communicate opportunities for collaboration throughout the state. By working with communities and local officials with a critical stake in watershed management, decisions will be directly connected to the needs of citizens.

For project development, this public-private partnership will work together to understand the needs of the area and leverage previous planning and modeling to scope activities. This could be a combination of engineered and incentive solutions based on the unmet recovery need in the community. The purpose of the HUD funding is to move communities farther along the path to flood resilience and develop several watershed models that can be implemented in other parts of the state. There is also potential to develop a model that could be utilized in any agriculturally-based state.

The State of Iowa is developing an approach that contains many moving pieces. It can be altered to best fit the needs of the communities identified in Exhibit B response during Phase 2. The approach discussed in this application is the natural extension of project work completed to date. There are many organizations involved in these activities that identified “gaps” in their initiatives that are part of this approach. The State is confident that the actions discussed as part of this framing exercise will develop into feasible and resilient projects.

Through collaboration with partners including the IFC, Iowa Water Center, DNR, and IDALS, the project is framing water quantity issues in a way that also impacts water quality and land conservation practices. HSEMD will continue to approach program implementation from the perspective of achieving as many benefits from the work as possible. The staffing and technical capability of partner organizations will strengthen the team’s ability to maximize these results. Additionally, this program structure is modeled on past projects in the CDBG program. This will assist in quickly addressing all programmatic issues related to environmental review and human health with site-specific project implementation.

The work underway in The Nature Conservancy’s Ecosystem Services Study is identifying, analyzing and



mapping ecosystem services using modeling to highlight opportunities for watershed management projects that could yield multiple environmental and economic benefits. Service modeling includes flood-risk/damage mitigation, nutrient filtration/reduction to improve water quality, the provision of habitat to support game and wildlife species, and the reduction of soil loss and sediment delivery to stream and rivers. These detailed models provide a better understanding of the physical relationship between land use changes and the resulting hydrologic impact. Hydrologic changes result in measurable changes in flood stages and structure losses at downstream urban areas such as the City of Cedar Rapids. Spatial location of conservation practices is also an important factor in mitigating urban flood risk.

Project activities in Dubuque will also create links between water quality and public health (decreased mold-related asthma cases and lead poisoning), workforce development and education outcomes (decreased work and school absenteeism related to health conditions). Improving the quality of housing in impacted neighborhoods will improve the quality of life for residents. As part of the Smarter, Sustainable Dubuque initiative, the City and its partners are exploring an integrated multi-sectoral data-based and analytical approach/tool that could be used for the comparative assessment of interventions to improve resiliency and track these co-benefits.

The project will engage mostly rural communities in flood-resilience activities. These communities have limited access to federal and state funding for disaster recovery projects. Current water management systems were not designed to handle increasing precipitation levels, the increased intensity of storm events, and the increased velocity of water from farmlands and streambeds. These systems will not improve without collaborative, comprehensive planning and engineered changes to the landscape in the watershed.

National research shows that low-income and minority individuals can be most vulnerable to climate change events due to instability of income, lack of resources and lack of connection to outreach efforts. The project's focus on urban resiliency efforts in Dubuque will demonstrate that, through the engagement of neighborhood associations, landlords and business associations, targeted efforts can help distressed residents and small businesses prepare for and respond to disaster events.

Promoting an understanding of the relationship between soil quality and flooding has been underway in

Iowa for decades. As part of this project, agricultural and urban residents will need to engage in a holistic approach that balances land use changes. Urban development usually means faster water delivery to a river which may cause soil erosion and change the channel geometry. By working within a watershed approach, these types of cause and effect relationships can be fully explored.

The project's urban resiliency activities also provide benefits beyond flood prone neighborhoods. By serving the homes in Dubuque's Bee Branch Watershed, the project is creating a holistic, resident-centered model that can be implemented in any home in the city. While targeted towards Bee Branch Watershed residents, education about topics such as sustainable home management and disaster preparation and response will reach all Dubuque neighborhoods. As such, a culture of resiliency and preparedness will be instituted.

Iowa transportation systems connect rural and urban communities. From the 8 sub-county areas with unmet infrastructure recovery needs, project activities will be scoped to provide future community resilience to flooding. For example, after flooding events, residents experienced long detours to work, businesses incurred additional costs to transport goods, fuel consumption increased, and some residents were forced to relocate to other communities due to a lack of suitable housing. Agricultural producers were left with heavy silt deposits on soil, impacting crop production and further depleting economic resources. A resilient disaster recovery for all target areas will focus on the strengthening of these sectors by understanding their connections.

HSEMD will work within the watersheds to resolve vulnerabilities and address unmet needs. A cross-disciplinary team will work regionally to resolve needs within the watershed. The partnerships needed to be successful in this approach are in place and expanding through the identification of project areas. By creating a multi-jurisdictional approach to unmet recovery needs, the risk of jurisdictional conflict will be minimized. Hazard mitigation, watershed and land conservation planning are all done on the multi-jurisdictional level. The groups that develop these plans engage local decision-makers in the planning process, expediting the implementation of actions. Agreements with partners will be developed upon project and program activity selection. Dubuque will also work with an established multi-sectoral team to meet the unmet needs of affected residents and businesses. Partners will sign an agreement that defines individual organization roles, protocol for assessments and interventions, contractor standards, and data collection and reporting needs.

Resilience is the ability to anticipate, prepare for and adapt to changing conditions and withstand, respond to and recover rapidly from disruptions. Iowa will continue to support disaster resilience activities and work toward developing a framework for urban to rural communities. This approach compliments the President's Climate Action Plan and will require multi-disciplinary expertise to develop improved water systems management so communities can mitigate, prepare for, respond to, and recover from hazard events more rapidly. The State of Iowa has committed to creating a more resilient state through several programs. The State's housing acquisition program has purchased and permanently removed over 2,900 homes from the floodplain since 1993. The DNR is currently engaged in a statewide flood map modernization program utilizing high resolution LiDAR, and creating depth and velocity grids for the vast majority of the state.

Six communities within the state participate in the CRS program, with two others in the process of joining. Of the participating communities, only the City of Iowa City is among the areas that have been identified as most impacted and distressed in the Phase 1 application. Additionally, Iowa has 25 other communities that, although not in the CRS program, enforce higher floodplain development standards than the minimum required by the NFIP. Of these, five communities, Bernard, Chelsea, Clinton, Independence, and Pottawattamie County, are identified as most impacted and distressed in the Phase 1 application. The State of Iowa also has minimum floodplain development regulations that exceed the NFIP's minimum floodplain standards, including requiring the lowest floor of all new, substantially improved/damaged structures to be at least one foot above base flood elevation, and requiring that structures identified as having a "maximum flood potential", meaning that they are critical facilities or serve a critical need within their communities, be protected to at least one foot above the 500 frequency flood. Additionally, because of state floodplain requirements, the DNR calculates the base flood elevation for most floodplain development located in unnumbered A Zones within the state, regardless of whether or not the community participates in the NFIP.

The Iowa State University's Climate Science Program has completed several studies on climate change, including Dr. Eugene S. Tackle's 2011 paper titled: *Assessment of Potential Impacts of Climate Changes on Iowa Using Current Trends and Future Projections*. Over the last 30 years, annual temperature increases, extreme precipitation events, and increases in humidity have impacted our communities and economy.

Understanding these risks and vulnerabilities provides guidance in addressing our unmet needs.

Since 2006, the Dubuque City Council has identified becoming a more sustainable and resilient city as its top priority. The Sustainable Dubuque vision, as defined by a citizen task force, is as follows: *“Dubuque is a viable, livable and equitable community. We embrace economic prosperity, environmental integrity, and social/cultural vibrancy in order to create a sustainable legacy for generations to come.”* This vision has become the lens through which all decisions are made by the City. The vision is defined by twelve sustainability principles which include Community Design, Green Buildings, Healthy Air, Clean Water, Smart Energy Use, Community Health and Safety, and Community Knowledge.

More recently, Dubuque has engaged its partners in an effort to utilize data to transition to a more outcomes-oriented decision-making model. Many data sets are available to assist in this endeavor: historical weather data; financial and budget data that identifies the public and private economic costs of severe rain events to the community; national data that projects more frequent, severe temperature and precipitation events as a result of climate change; public health data that shows the impact of poor air quality and poor housing conditions on individuals; and more qualitative data that shows the personal impact to vulnerable populations during and after severe weather events. The key to the *Smarter, Sustainable Dubuque* initiative is synthesizing this vast amount of data into targeted, actionable key performance indicators that drive the City’s resiliency work.

The City was the first community in Iowa to join the NFIP in 1971 and has regulated floodplain development since 1990. The City has never approved a variance from NFIP requirements and has not allowed a single residential structure to be built in any flood hazard area. The only new structures built in flood hazard areas have been commercial structures elevated and/or flood proofed in compliance with NFIP requirements.

In 2013, the Dubuque City Council adopted the 50 percent by 2030 Community Climate Action & Resiliency Plan, a targeted approach to reducing greenhouse gases 50 percent below 2003 levels by 2030. As a result of recommendations in that plan, Dubuque had already reduced its emissions five percent by 2011. In addition, Dubuque is focused on incorporating actions to remain resilient in the face of climate change into its community planning process. The Bee Branch Watershed Project is a model for this proactive approach.

Exhibit F

Leverage and Outcomes

State of Iowa



## Outcomes:

The solution will be implemented with long-term commitments in place. Building from a planning-based, systematic framework to support watershed problem solving requires multi-objective project implementation. The solution will allow flexibility to address problems as they exist in different settings and landform type/eco-region, and not focus on one narrow set of approaches, practices or technologies. The project team will strive to facilitate voluntary implementation of best management practices to support long-term solutions within the current regulations. Attainable results will be achieved by addressing all types of impacts on water resources, including agricultural, commercial, municipal, and residential. Improving watershed function is a responsibility that all Iowans share.. The engineered solutions under consideration include systems designed to capture and retain water in the fields that will then be utilized in the summer months for irrigation. The co-benefits include measurable reduction in nutrients flowing into Iowa waterways and a reduction in soil loss during intense repetitive rain events. There is also the potential to design projects that include renewable energy activity. Iowa is very active in the production of renewable energy alternatives such as wind, solar and biofuels. IEDA, as the State-designated energy office, will bring opportunities to the attention of stakeholders as the project develops.

Dubuque's Bee Branch Watershed Flood Mitigation project is a holistic, multi-phased, green infrastructure investment to mitigate flooding, improve water quality, stimulate development, and enhance quality of life. The project catalyzes community economic, social and environmental capital to create resilient neighborhoods, foster economic opportunities and balance resources. The 13-phase Bee Branch Watershed project will reduce the volume of stormwater, slow the rate of stormwater through the upper watershed, and increase the safe conveyance of stormwater through flood-prone areas. When complete, it also will include "daylighting" a buried creek, community gardens, outdoor amphitheater/classroom, bioswales, landscaped parkways, 1,000 trees, hike/bike trails, water recreation and other amenities, and necessary utilities and public infrastructure. The design life of the various improvements associated with the project is 100 years. The majority of infrastructure improvements are to be completed by 2021. The restoration of houses could be completed over two years.

**How can your idea be implemented in an environmentally and financially sustainable way?**

The funds utilized in this program will focus on buying down the initial costs of implementation, sharing the burden of the costs between the land owners and downstream communities. As the proposed approach is intrinsically linked to reversing the sources of environmental degradation through soil erosion and water pollution, environmental conditions are inherently addressed in the proposed project.

The Bee Branch Watershed Flood Mitigation Project's single most important achievement is removal of silos at every project level including federal funding, and is thus financially sustainable. The project leverages public and private investments in order to improve neighborhood quality, thus improving property values. As opposed to building additional storm sewers that whisk rapidly-moving water downstream, the watershed approach creates space for natural management of flash flooding while protecting homes near the waterway.

Dubuque's Housing and Community Development Department has been actively involved in the training of lead and "Healthy Homes" contractors. Because of past Lead Hazard Control Grants, the need for trained lead professionals was paramount to the success of the program. Currently, staff can provide all disciplines of professional lead certifications. Past HUD grant performances reported an average of 86 percent Section 3 contractors and workers on projects. The City will initiate a partnership with the local office of Iowa Workforce Development. This office offers immediate work on a daily basis for interested individuals. Training and business opportunities will be provided to low- and very-low-income persons living within the community by providing scholarships for participating in professional lead certification training, which will be required to perform work on the homes because of the high incidence of lead based paint use in this target area.

To ensure the program reaches persons of need that may be under-served due to cultural differences, the Multicultural Family Center of Dubuque will be utilized for outreach. The staff is dedicated to reaching families based on understanding and collaboration across racial, ethnic and socioeconomic groups committed to producing engaged families and community members. The Center will promote contractor and worker job opportunities in partnership with Northeast Iowa Community College,

Successful project implementation will result in a 30 percent reduction of peak flow in the rural target area watersheds. This reduction will directly address the unmet recovery needs of the eligible target areas which are currently vulnerable to flooding. Success will be measured by the best practices implemented according to the

landscape we are working within, by determining reduced soil loss and nutrients which are an indicator of reduced peak-flow. Measurements will be determined by computer modeling as well as utilizing existing and expanded stream gauging systems.

The City of Dubuque will perform healthy homes interventions for 300 units, by utilizing rehabilitation, weatherization and lead resources. Structurally sound, energy-efficient, lead-hazard-free, safe, and healthy living environment will be the outcomes. This can be achieved by combining resources to maximize services through a collaboration of programs. Coordinated inspections and interventions will result in a bigger “bang for buck”, with a lower per-home cost than would be experienced if each home was assisted by independent agencies without integrated schedules.

Implementing integrated, green infrastructure solutions will result in better on-site management of severe rain events. These public and private investments and the creation of more resilient homes will prevent an estimated \$582 million in damages over the 100-year life of the project and create an incentive for individuals and businesses to reinvest in the area, which can be measured in increased property values.

#### Leverage:

The City of Dubuque has engaged in conversations with FEMA to address floodplain and insurance issues. In the Bee Branch Watershed’s flood prone area shown on the FEMA digital flood insurance rate map (DFIRM), a typical residential property owner, whose mortgage is federally backed, will need to purchase flood insurance at a cost of approximately \$1,000 annually. Much of the properties included in the FEMA DFIRM flood zones are in low- to moderate-income neighborhoods. The financial impact of additional flood insurance costs are magnified for homeowners and businesses who are struggling to get by in a tough economy. If this neighborhood remains in FEMA flood zones, we anticipate disinvestment and the reversal of years of effort to encourage home ownership and reinvestment. Businesses and industries will experience higher costs to operate, and reduced borrowing power for building improvements, new machinery and equipment, and job growth. Removing land from the floodplain and establishing more moisture-resistant housing will result in diminished need for flood insurance. Additionally, flood insurance is not available to tenants in this high-renter neighborhood, furthering the potential negative impact on over 60 percent of the current population who rents.

While many programs and resources already exist to support watershed programs, additional resources are needed to serve identified needs, especially to link programs effectively with local communities. Examples of potential funding sources include Section 319(IDNR/EPA), Water Protection Fund (DSC), Watershed Protection Fund (WSPF, DSC), PL566 Public Law 566 Watershed Program (NRCS), and Environmental Quality Incentive Program (NRCS). Partnerships with the Iowa Flood Center, Iowa DNR's watershed management authorities, the Iowa Daily Soil Erosion Project Team, and IDALS will provide the technical support for the project. The Project team will also look within the communities for additional resources. This could include financial, technical or in-kind support. By addressing a flooding issue using green infrastructure versus gray infrastructure, financial assistance through the EPA's Clean Water SRF Program is possible. Transforming the flood-prone area where commercial property values have actually dropped by 6 percent while they increased community-wide by 39 percent will result in affordable, safe and healthy workforce housing.

The State of Iowa, through the Flood Mitigation Board, has firmly committed resources in the target areas to increase their resiliency to flooding. Letters of partnership demonstrate shared technical resources and financial incentives that mirror the approach outlined in this application. IDALS, DNR, IDOT, the Iowa Water Center at Iowa State University, and the Iowa Flood Center at the University of Iowa will be the primary partners committing funds, expertise, education and outreach, and research efforts to expand the program across multiple priority watersheds.

Exhibit G

Regional and Long-term Commitment

State of Iowa



Iowa is firmly committed to improving flood resiliency, at the local and watershed levels. As a measure to demonstrate this commitment, three specific areas are highlighted: the Iowa Flood Mitigation Board, the combined IDALS/DNR efforts to improve the ability of the watersheds to store and release water in a controlled manner, and the formation of Watershed Management Authorities. The result is less severe impacts from extreme rain events and a more resilient state.

The State has implemented several measures across a broad spectrum of disciplines and geographic areas to reduce risks from flooding in communities across the state. In 2012, the Iowa General Assembly created the Iowa Flood Mitigation Board, whose sole purpose is to review and approve flood mitigation and resiliency projects across the state. To date, the Board has approved over \$450 million in state financing for eight projects. Of these projects, five are located in areas identified as being most impacted and distressed. These communities (and the corresponding amounts of state financial assistance) include Dubuque (\$98,494,178), Iowa City (\$8,497,249), Coralville (\$9,769,000), Storm Lake (\$4,083,060), and Council Bluffs (\$57,000,000). These projects estimate more than \$4 Billion in avoided damages to permanent infrastructure, businesses, and households over the next twenty years.

The State has also committed significant resources to improving water quality through efforts aimed at reducing field runoff, which in turn reduces pollutants, reduces sedimentation from erosion and reduces flooding impact by controlling the release of water. IDALS administers several programs that HSEMD endeavors to leverage to achieve broad-based flood reduction and resiliency, including: State Revolving Loan funds for watershed improvement projects; the Iowa Financial Incentives Program to increase water capacity in the soil; the Iowa Watershed Protection Program for flood control, water quality protection and soil erosion projects; the Resource Enhancement and Protection's Soil and Water Enhancement Account for use in stream bank restoration, urban storm water and traditional erosion control practices; and the Watershed Improvement Fund. The formal establishment of WMAs in 2011 created a mechanism for cities, counties, Soil & Water Conservation Districts, and stakeholders to cooperatively engage in watershed planning and management. WMAs are tasked with assessing and reducing flood risk, water quality, educating citizens, and allocating funds for flood mitigation.

To limit the effects of extreme precipitation events, Dubuque has implemented a master plan for the Bee Branch Creek watershed. Over, 4,500 feet of buried Bee Branch Creek is being excavated, reconstructed and restored in a project that serves as a best practice for flood mitigation and water quality. It will re-introduce the confined Bee Branch Creek to the North End Neighborhood, one of Dubuque's oldest neighborhoods where hundreds of families and businesses have been repeatedly impacted by flooding. Once the over \$200 million project is complete, 1,150 homes and businesses will benefit from flood protection that meets today's design standards for stormwater management and have access to open space and a linear park including trails, wetland restoration and landscaping using native plants and materials. The watershed-wide approach will also convert 240 alleys into "green alleys", reducing runoff and minimizing flooding.

The 50% by 2030 Community Climate Action & Resiliency Plan was adopted in 2013 and includes strategies to reduce community greenhouse gases 50 percent below 2003 levels by 2030. The plan was crafted by the City and non-profit Green Dubuque, and includes recommended actions in five areas: Waste, Water, Energy, Transportation, and Miscellaneous. Notably, over two-thirds of the reductions described in the report are either active/planned (meaning that the projects are underway or included in current budgets), or highly likely (meaning that the current policy and financial environment makes it very likely the actions will be implemented). By 2011, the community had reduced GHG emissions by 5 percent from 2003 levels. One key municipal project implemented in 2013 to help meet that target is the completion of the Water & Resource Recovery Center. This \$67 million project uses wastewater effluent for geothermal heating and cooling, in addition to using methane recapture. The facility uses 30 percent less energy than its 40-year-old predecessor, and will generate up to 600KW of electricity onsite with the intention of becoming a zero-energy facility.

The Catfish Creek Watershed Management Authority was also created to bring public and private partners together to improve the 57 square mile watershed that includes industrial centers, residential neighborhoods, cropland, steep bluffs, and dense forests. In 2014, Catfish Creek Watershed Management Plan was drafted to address serious threats to the watershed, including large amounts of soil and nutrients entering the water from both urban and agricultural runoff. Included in the twenty-year implementation schedule are goals to restore 200,166 feet of critical priority stream reaches and riparian buffers and 250 acres of wetland.