

APPENDIX 1: ACRONYMS

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AEP	Annual Exceedance Probability
AHPS	Advanced Hydrologic Prediction Service
AICP	American Institute of Certified Planners
BRIC	Building Resilient Infrastructure and Communities
CBBEL	Christopher B. Burke Engineering, LLC
CFM	Certified Floodplain Manager
COAD	Community Organizations Active in Disaster
CPRI	Calculated Priority Risk Index
CRS	Community Rating System
DFIRMs	Digital Flood Insurance Rate Maps
DHS	Department of Homeland Security (US)
DMA	Disaster Mitigation Act
EHS	Extremely Hazardous Substance
EMA	Emergency Management Agency
EPCRA	Emergency Planning and Community Right to Know Act
ERP	Emergency Response Plan
FEMA	Federal Emergency Management Agency
FIRM	Flood Insurance Rate Map
FMA	Flood Mitigation Act
FRP	Flood Response Plan
GIS	Geographic Information System
HAZUS-MH	Hazard US – Multi-Hazard
HMGP	Hazard Mitigation Grant Program
MHMP	Multi-Hazard Mitigation Plan
HMRT	Hazardous Materials Response Team
HUC	Hydrologic Unit Code
IDEM	Indiana Department of Environmental Management

IDHS	Indiana Department of Homeland Security
IDNR	Indiana Department of Natural Resources
IEAP	Incident and Emergency Action Plan
INAFSM	Indiana Association of Floodplain and Stormwater Managers
LEPC	Local Emergency Planning Commission
MHMP	Multi-Hazard Mitigation Plan
MPH	Miles Per Hour
MRCC	Midwestern Regional Climate Center
MSDS	Material Safety Data Sheet
NCDC	National Climatic Data Center
NFIP	National Flood Insurance Program
NLD	National Levee Database
NOAA	National Oceanic Atmospheric Administration
NRCS	National Resource Conservation Service
NWS	National Weather Service
OSHA	Occupational Safety and Health Administration
PDM	Pre-Disaster Mitigation
RFC	Repetitive Flood Claims
SARA	Superfund Amendment Reauthorization Act
SFHA	Special Flood Hazard Area
SRL	Severe Repetitive Loss
USDA	United States Department of Agriculture
US DHS	United States Department of Homeland Security
USGS	United States Geological Service
WCT	Wind Chill Temperature

**APPENDIX 2: PLANNING COMMITTEE MEETING AGENDAS
AND SUMMARIES**

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Jackson County Multi-Hazard Mitigation Plan Update
Project Team Meeting

Jackson Learning Center
323 Dupont Drive
Seymour IN 47274

November 3, 2021

1:00 pm

AGENDA

1. Welcome and Introductions
2. Approach for the MHMP Update/Meeting Purpose
3. Hazard Risk Assessment:
 - a) Review Hazard Data
 - b) Discuss Vulnerability to Hazards
 - c) Determine Probability & Severity
4. Next Steps
5. Adjournment

CALCULATED PRIORITY RISK INDEX

The CPRI evaluates each hazard based on its probability of occurrence, severity, prior warning time, and duration. Thus, the CPRI provides a means to assess a hazard relative to others for a community. To determine the CPRI, a value of 1 through 4 is assigned to the categories for probability, magnitude/severity, warning time, and duration of event.

CPRI = Probability X 0.45 + Magnitude/Severity X 0.30 + Warning Time X 0.15 + Duration of Event X 0.10.

PROBABILITY

1. Unlikely – event is possible within the next 10 years; up to 1 in 10 years chance of occurring (10%); historic events is less than or equal to 10% likely per year
2. Possible – event is possible within the next 5 years; up to 1 in 5 years chance of occurring (20%); historic events is greater than 10% but less than or equal to 20% likely per year
3. Likely – event if probable within the next 3 years; up to 1 in 3 years chance of occurring (33%); historic events greater than 20% but less than or equal to 33% likely per year
4. Highly Likely – event is probable within the calendar year; up to 1 in 1 year chance of occurring (100%); historic events greater than 33% likely per year

MAGNITUDE/SEVERITY

1. Negligible – few injuries; shutdown of critical facilities and services for 24 hours or less; less than 10% of property is severely damaged; average response duration of less than 6 hours
2. Limited – few injuries; complete shutdown of critical facilities and services for more than 1 week; more than 10% of property is severely damaged; average response duration of less than 1 day
3. Significant – multiple injuries; complete shutdown of critical facilities and services for at least 2 weeks; more than 25% of property is severely damaged; average response duration of less than 1 week
4. Critical – multiple deaths; complete shutdown of critical facilities and services for 30+ days; more than 50% of property is severely damaged; average response duration time of less than 1 month

WARNING TIME

1. >24 hrs
2. 12-24 hrs
3. 6-12 hrs
4. < 6 hrs

DURATION OF EVENT

1. < 6 hrs
2. < 1 day
3. < 1 wk
4. > 1 wk

Assumptions for Estimating Potential Losses

90% mean assessed value for structures (Jackson County GIS) x # structures x replacement

25% of structures=100% damage

35% of structures=50% damage

40% of structures=25% damage

Jackson County Multi-Hazard Mitigation Plan Update
Project Team Meeting

Jackson Learning Center
323 Dupont Drive
Seymour IN 47274

November 3, 2021

1:00 pm

SUMMARY

Project Team Members Present:

Name	Office	Representing
Conner Barnette	Building Department	Jackson County
Mason Boicourt	Utilities Department	Crothersville
Nate Bryant	Emergency Medical Services	Jackson County
Duane Davis	Emergency Management Agency	Jackson County
Staci Eglen	Auditor's Office	Jackson County
Danieta Foster	Clerk-Treasurer	Crothersville
Jeremy Gray	Building Commission	Seymour
Katie Kaufman	Assessor's Office	Jackson County
Joe Kelly	Brownstown Police Department	Brownstown
Nick Klinger	Emergency Management Agency	Jackson County
Brian Lucas	Seymour Fire Department	Seymour
Jesse Minnick	Indiana Department of Homeland Security	
Jade Peters	Brownstown Central Community Schools	Brownstown
Marianne Stemm	Thrive Alliance	Jackson County
Keith Williams	Seymour Schools	Seymour
Marty Young	Brownstown Elementary School	Brownstown

Others Present:

Heather Buck, CBBEL

1. Welcome and Introductions

To begin, EMA Director Duane Davis thanked everyone for attending the meeting and asked those present to introduce themselves. Mr. Davis briefly explained the purpose of the meeting and the planning effort and introduced Heather Buck, CBBEL.

2. Approach for the MHMP Update/Meeting Purpose

Heather explained to the group that the MHMP Update is a requirement to be completed every five years. The overall approach, utilizing a larger Planning Committee similar to the previous approach was described. The meetings will follow steps to reach the end result of an updated MHMP for all incorporated communities within Jackson County.

3. Hazard Risk Assessment:

a) Review Hazard Data

The Committee reviewed the hazards to be studied as determined by Jackson County EMA and agreed that these are the hazards which most affect the County. Heather shared data that CBBEL had gathered from the Nation Climatic Data Center (NCDC),

local media outlets, and various agencies and offices since the 2015 MHMP was completed.

b) Discuss Vulnerability to Hazards

The Committee was engaged during the discussions regarding the hazards, specific events, and damages experienced. This information will be utilized to guide additional data collection for the MHMP Update, as well as enhance the discussion with the Planning Committee.

c) Determine Probability & Severity

The Committee, considering the data collected, their knowledge, and the prior discussions, determined the probability and severity of the hazards considered during this planning effort. This information will be utilized to determine the Calculated Priority Risk Index (CPRI) and will be reviewed by the Planning Committee.

4. Critical Infrastructure

Heather explained that the listing of Critical Infrastructure was partly provided by Jackson County, and partly obtained from state-wide databases as needed. The information was then categorized into sectors, mapped, and utilized to perform additional data analyses to prepare “what-if” scenarios.

5. Next Steps

The process was further explained to the Committee to include the next session, a public review period, and submission of the draft report for all Committee members, the public, and FEMA’s review and comment. It was also explained that it will be very important that all Committee members provide their information in a timely manner so that the draft MHMP Update can be prepared.

6. Adjournment

The first Committee session adjourned. A second session will be held to review the listing of the potential mitigation measures and provide a ranking of High, Moderate, or Low.

Jackson County Multi-Hazard Mitigation Plan Update

Project Team Meeting

Jackson Learning Center
323 Dupont Drive
Seymour IN 47274

November 10, 2021

1:00 pm

1. Welcome and Introductions
2. Review of the approach for the MHMP Update
3. Review the Hazard Risk Assessment/CPRI
4. Review and Prioritize Proposed Mitigation Measures
5. Next Steps
6. Adjournment

Jackson County Multi-Hazard Mitigation Plan Update

Project Team Meeting

Jackson Learning Center
323 Dupont Drive
Seymour IN 47274

November 10, 2021

1:00 pm

SUMMARY

Project Team Members Present:

Name	Office	Representing
Conner Barnette	Building Department	Jackson County
Mason Boicourt	Utilities Department	Crothersville
Nate Bryant	Emergency Medical Services	Jackson County
Duane Davis	Emergency Management Agency	Jackson County
Staci Eglen	Auditor's Office	Jackson County
Debbie Hackman	Resident	Medora
Roger Jewell	Crothersville Wastewater Treatment	Crothersville
Katie Kaufman	Assessor's Office	Jackson County
Nick Klinger	Emergency Management Agency	Jackson County
Kendall Lambring	Salvation Army	Jackson County
Rick Meyer	Sheriff Department	Jackson County
Jesse Minnick	Indiana Department of Homeland Security	
Jade Peters	Brownstown Central Community Schools	Brownstown
Kelly Pifer	Department of Planning and Zoning	Seymour
Marianne Stemm	Thrive Alliance	Jackson County
Marty Young	Brownstown Elementary School	Brownstown

Others Present:

Heather Buck, CBBEL

1. Welcome and Introductions

Heather and EMA Director Davis once again thanked everyone for attending. Introductions were made by those present.

2. Review of the Approach for the MHMP Update

A brief review was provided for those committee members not present at the first session.

3. Review the Hazard Risk Assessment/CPRI

The results of the completed CPRI were shared with those present. Utilizing the discussion from the previous Committee session, the "draft" CPRI was presented. Adjustments were made based on additional discussion with the Committee once they were able to see the final prioritizations.

4. Review and Prioritize Proposed Mitigation Practices

Utilizing the mitigation practices described in the 2015 MHMP and information gathered through the planning process, a list of proposed mitigation practices was presented to the Committee for review and comment. Several members provided insight and input to wording and options for each proposed mitigation measure which was then ranked as High, Moderate, or Low in

implementation priority. It was explained that those practices ranked as High would have additional steps outlined within the MHMP Update to assist with the implementation process.

5. Next Steps & Future Meetings

It was explained that the next step in the process is to prepare the draft MHMP Update for review first by the EMA staff and then by the Planning Committee members. Comments accepted by the EMA will be incorporated into the plan. Once this has been completed, a public review period will be set and the draft will be submitted to FEMA and IDHS for review and comment.

6. Adjournment

The Committee adjourned

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APPENDIX 3: Public Participation and Involvement of Other Interested Parties

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MEDIA RELEASE

For Immediate Release

Media Release Date: June 1, 2022

Contact: Duane Davis, Jackson County Planning Department (812.358.6110)

Public Presentation of the Jackson County Multi-Hazard Mitigation Plan Update

Seymour, IN (June 1, 2022) – Jackson County, in cooperation with Brownstown, Crothersville, Medora, and Seymour have prepared an update to the 2015 Multi-Hazard Mitigation Plan (MHMP) to address the risk and vulnerability of communities in the county which may be affected by known natural, technological, and political hazards.

The Disaster Mitigation Act of 2000 (DMA 2000) requires communities to update their MHMP every five years in order to be eligible for any future mitigation funding through the Indiana Department of Homeland Security and the Federal Emergency Management Agency. The intent of the MHMP is to plan for a disaster before it occurs in order to reduce the physical, social and economic impact of that disaster.

The draft Jackson County MHMP Update may be accessed at www.jacksoncounty.in.gov at your convenience. Topics covered in the update include: an overview of the planning requirements; a summary of the risk assessment and vulnerability analysis; and proposed mitigation projects for prevention, property protection, natural resource protection, emergency services, structural control projects, and public information.

Comments will be accepted through Wednesday, June 15, 2022. Please submit comments to Duane Davis at 812.358.6110 or ema@jacksoncounty.in.org

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Jackson County Multi-Hazard Mitigation Plan 5-Year Update



**Please take some time to
review and provide
comments on the**

**The 2022 Jackson
County MHMP Update**

**This helps us create a better
plan, prepare for hazards
that may affect Jackson
County and the
communities, and
become more resilient
should an event occur.**

**Your time and efforts are
appreciated!**

The Jackson County Multi-Hazard Mitigation Plan (MHMP) Update is a multi-jurisdictional planning effort led by the Jackson County Emergency Management Agency. The previous MHMP, adopted in 2015 was the necessary first step of a multi-step process to implement programs, policies, and projects to mitigate the effect of hazards in Jackson County. A Federal Emergency Management Agency (FEMA) approved MHMP is required to be eligible for disaster mitigation funds.

FEMA also requires communities to update and resubmit the MHMP every five years to continue to be eligible for mitigation project grant funding. The intent of this current planning effort is to replicate the process of identifying the hazards and the social, physical, and economic impact that they affect Jackson County as well as to discuss mitigation measures implemented within the last five years.

**A copy of the draft MHMP Update is available electronically through
www.jacksoncounty.in.gov**

Comments will be accepted through June 15, 2022.

**Any comments or questions should be directed to Duane Davis at
812.358.6110 or ema@jacksoncounty.in.gov**

Web posting

Social media clips

APPENDIX 4: CRITICAL INFRASTRUCTURE BY COMMUNITY

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Map ID	Airport	Community
1	Freeman Municipal Airport	Seymour

Map ID	Cellular Tower	Community
2	American Towers LLC	Jackson County
3	American Towers, LLC	Seymour
4	American Towers, LLC	Jackson County
5	AT&T	Jackson County
6	BK Media LLC	Jackson County
7	CCATT LLC	Seymour
8	CCATT LLC	Jackson County
9	CCATT LLC.	Jackson County
10	Comcast	Seymour
11	Comm. Enhancement	Brownstown
12	Crown Castle GT	Jackson County
13	Crown Castle GT Co	Jackson County
14	Crown Castle GT LLC	Jackson County
15	Crown Comm. Inc.	Jackson County
16	Horvath Towers, LLC	Seymour
17	John Paleski	Jackson County
18	Midland Media Inc	Jackson County
19	Midnight Hour Broad.	Seymour
20	Pinnacle Towers Acq.	Seymour
21	Pinnacle Towers LLC	Jackson County
22	SBA Monarch TowersII	Jackson County
23	SBA Towers II LLC	Seymour
24	SBA Towers III LLC	Jackson County
25	SBA Towers V, LLC.	Jackson County
26	Seymour Comm. School	Seymour
27	Seymour Comm. School	Seymour
28	Seymour Mun. Airport	Seymour
29	Seymour Police	Seymour
30	Skyway Towers, LLC	Jackson County
31	Southern Indiana RSA	Jackson County
32	SpectraSite Comm.	Jackson County
33	State of Indiana	Seymour
34	Susquehanna Radio Co	Jackson County

Map ID	Church	Community
35	Central Christian Church	Seymour

Map ID	Daycare	Community
36	ABC Daycare	Seymour
37	Brownstown Christian Church Daycare	Brownstown
38	Daytime Friends	Jackson County
39	God's Lil Blessings	Brownstown

Map ID	Daycare	Community
40	Happy Hearts Day Care	Seymour
41	Head Start - Seymour	Seymour
42	Kids Unique Daycare, LLC	Jackson County
43	Kidz R Kidz Daycare	Seymour
44	Laugh & Learn	Seymour
45	Little Angels Daycare Ministry	Seymour
46	Little Friends Daycare	Seymour
47	Little Hands Learning Center	Seymour
48	Miss Crystals'	Jackson County
49	Rainbow Childcare	Seymour
50	Rieckers Rascals	Seymour
51	St. Peters Luthern Childcare	Brownstown
52	Terri's Playhouse	Jackson County
53	Tiny Tots Playhouse	Seymour
54	Wild Kingdom Jungle House	Crothersville

Map ID	Electric Facilities	Community
55	Brownstown Substation	Jackson County
56	Crothersville Substation	Crothersville
57	Duke Energy	Seymour
58	Jackson County REMC	Jackson County
59	Medora Substation	Jackson County
60	Seymour 138 KV Substation	Seymour
61	Seymour Airport Rd. Substation	Seymour
62	Seymour Cummins Engine Substation	Seymour
63	Seymour Eastside Industrial Park Substation	Seymour
64	Seymour Obrien St. Substation	Seymour

Map ID	Dams	Community
d01	Baird Lake	Jackson County
d02	Berry Branch Lake Dam	Jackson County
d03	Bishop Lake Dam	Jackson County
d04	Burgess Lake	Jackson County
d05	C.J. Rust Lake Dam	Jackson County
d06	Camp Pyoca Lake Dam	Jackson County
d07	Charisma Lake Dam	Jackson County
d08	Fleetwood Farm Pond	Jackson County
d09	Glen Davidson	Jackson County
d10	Hillview Lake Dam	Jackson County
d11	Jordan	Jackson County
d12	Kenneth Layton Dam	Jackson County
d13	Knob Lake Dam	Jackson County
d14	Lake & Forest Club Dam	Jackson County
d15	Lake Tarzian Dam	Jackson County
d16	Lost Lake	Jackson County
d17	Morgan Packing Co. Dam (In-Channel)	Jackson County

Map ID	Dams	Community
d18	Moss Lake - Muscatatuck Wildlife Refuge	Jackson County
d19	Persimmon Lake Dam	Jackson County
d20	Richart Lake Dam - Muscatatuck Wildlife Refuge	Jackson County
d21	Seymour Water Co. Dam (In-Channel)	Jackson County
d22	Stanfield Lake Dam	Jackson County
d23	Starve Hollow Lake Dam	Jackson County
d24	Swan Pond	Jackson County
d25	Timber Lake Dam	Jackson County

Map ID	Fire Stations	Community
65	Brownstown Fire Dept	Brownstown
66	Carr Township Fire Department	Medora
67	Crothersville Vernon Township Volunteer Fire Dept.	Crothersville
68	Driftwood Vol. Fire Dept.	Jackson County
69	Grassy Fork Fire Department	Jackson County
70	Hamilton Fire Dept.	Jackson County
71	Jackson-Washington FD/ DuddleyTown	Jackson County
72	Jackson Washington Vol FD	Jackson County
73	Owen Township Vo. Fire Dept. #1	Jackson County
74	Owen Township Vol. Fire Dept. #2	Jackson County
75	Pershing Fire Dept	Jackson County
76	Reddington Vol. Fire Dept.	Jackson County
77	Seymour Fire Station #1	Seymour
78	Seymour Fire Station #2	Seymour
79	Seymour Fire Station #3	Seymour

Map ID	Government Facilities	Community
80	Brownstown Town Hall	Brownstown
81	Crothersville Town Hall	Crothersville
82	EMA Office	Brownstown
83	INDOT State Highway Dept.	Seymour
84	Jackson County Courthouse	Brownstown
85	Jackson County EMS Station	Seymour
86	Jackson County Highway Dept.	Jackson County
87	Jackson County Judicial Center	Brownstown
88	Jackson County Sheriff Dept	Jackson County
89	Medora Town Hall	Medora

Map ID	Medical Facilities	Community
90	Hoosier Christian Village	Brownstown
91	Schneck Medical Center	Seymour

Map ID	Military Installation	Community
92	Indiana National Guard Armory	Seymour

Map ID	Nursing Home	Community
93	Childrens Time	Crothersville
128	Hoosier Christian Village	Brownstown
129	Lutheran Community Home	Seymour
130	Covered Bridge Health Campus	Seymour
131	Autumn Trace Seymour Assisted Living	Seymour

Map ID	Police Station	Community
94	Brownstown Police Department	Brownstown
95	Crothersville Police Department	Crothersville
96	Seymour Police Department	Seymour

Map ID	Schools	Community
97	Brownstown Central Community School Corp	Brownstown
98	Brownstown Central Community School Corp Elem Scho	Brownstown
99	Brownstown Central Community School Corp High Scho	Brownstown
100	Brownstown Central Community School Corp Middle Sc	Brownstown
101	Cortland Elementary	Jackson County
102	Crothersville Community Schools	Crothersville
103	Emerson Elementary	Seymour
104	Immanuel Lutheran School	Seymour
105	Jackson Elementary	Seymour
106	Luthern Central School	Brownstown
107	Margaret R. Brown Elementary	Seymour
108	Medora Community School Corporation	Medora
109	Redding Elementary	Seymour
110	Seymour High School	Seymour
111	Seymour Middle School	Seymour
112	Seymour Middle School Sixth Grade Center	Seymour
113	St. Ambrose	Seymour
114	St. John's Sauers Lutheran School	Jackson County
115	Trinity Lutheran High School	Jackson County
116	Zion Lutheran School	Seymour

Map ID	Shelter	Community
117	Jackson County Homeless Shelter	Seymour

Map ID	Wastewater Treatment Plants	Community
118	Brownstown Sewer Dept.	Brownstown
119	Crothersville Sewage Plant	Jackson County
120	Medora Sewage Treatment Plant	Jackson County

Map ID	Water Company	Community
121	Crothersville Water Plant	Crothersville
122	Indiana American Water Co.	Jackson County

Map ID	Water Towers	Community
123	Brownstown Water Tower (East)	Brownstown
124	Brownstown Water Tower (West)	Brownstown
125	Crothersville Water Tower	Crothersville
126	Medora Water Tower	Medora
127	Seymour Water Tower	Seymour

Map ID	Large Employers	Community
e01	Aisin Drivetrain Inc	Crothersville
e02	Aisin USA Mfg. Inc	Seymour
e03	Applebee's	Seymour
e04	Avi Foodsystems Inc	Seymour
e05	Bob Poynter Chev Buick GMC	Seymour
e06	Brownstown Central High School	Brownstown
e07	Brownstown Electric Supply Co	Brown County
e08	Brownstown Elementary School	Brownstown
e09	Cerro Wire LLC	Crothersville
e10	Chili's Grill & Bar	Seymour
e11	City Of Seymour	Seymour
e12	Covered Bridge Health Campus	Seymour
e13	Cracker Barrel Old Country Str	Seymour
e14	Cummins Industrial Ctr	Seymour
e15	Dicksons Inc	Seymour
e16	Duke Energy	Seymour
e17	Excel Manufacturing	Seymour
e18	First Care Clinic	Seymour
e19	Help At Home National	Seymour
e20	Home Depot	Seymour
e21	Hoosier Christian Village	Brownstown
e22	Hukill Oil Co	Seymour
e23	Indiana Steel & Tube Inc	Brownstown
e24	J C Plus	Seymour
e25	J C Plus	Seymour
e26	Jackson County Rural Electric	Brown County
e27	Jackson Park Physicians Pc	Seymour
e28	Jay C Food Stores	Seymour
e29	Jay C Food Stores	Seymour
e30	Jayc	Seymour
e31	Jayc	Brownstown
e32	Kocolene Development Corp	Seymour
e33	Lutheran Community Home Inc	Seymour

Map ID	Large Employers	Community
e34	M R Brown Elementary School	Seymour
e35	Mc Donald's	Seymour
e36	Mc Donald's	Brownstown
e37	Mitchell & Stark Construction	Medora
e38	Pet Supplies Plus Distribution	Seymour
e39	Pines Restaurant	Brown County
e40	R R Donnelley	Seymour
e41	Redding Elementary School	Seymour
e42	Rose Acre Farms Inc	Seymour
e43	Rose Acre Farms Inc	Brown County
e44	Royalty Roofing	Seymour
e45	SAMTEC	Crothersville
e46	Schneck Medical Ctr	Seymour
e47	Schneck Medical Ctr Rehab Svc	Seymour
e48	Seymour-Jackson Elementary Sch	Seymour
e49	Seymour Community Sch Bus Garage	Seymour
e50	Seymour Community Sch Food Svc	Seymour
e51	Seymour Crossing	Seymour
e52	Seymour High School	Seymour
e53	Seymour Manufacturing Co Inc	Seymour
e54	Seymour Middle School	Seymour
e55	Seymour Tubing Inc	Seymour
e56	Silgan Plastics LLC	Seymour
e57	Steak 'n Shake	Seymour
e58	Todd's Transitional Housing	Seymour
e59	Travel Centers of America	Seymour
e60	Valero	Seymour
e61	Vallonia Elementary School	Brown County
e62	Walmart Distribution Ctr	Seymour
e63	Walmart Supercenter	Seymour

Map ID	Tier II Facilities	Community
t01	Aisin Chemical Indiana, LLC	Crothersville
t02	Aisin Drivetrain, Inc	Crothersville
t03	Aisin Plant II	Seymour
t04	AISIN U.S.A. Manufacturing, Inc.	Seymour
t05	Aquatic Control, Inc. - Seymour	Jackson County
t06	Brownstown	Brownstown
t07	Brownstown Substation	Jackson County
t08	Bundy Brothers & Sons Incorporated	Medora
t09	Cerro Wire & Cable Co., Inc.	Crothersville
t10	CORTLAND - USID74560	Jackson County
t11	Crothersville Substation	Crothersville
t12	Cummins Engine Company Industrial Center	Seymour
t13	Cummins Incorporated Machining Center	Seymour
t14	Egg Acres	Jackson County
t15	Enterprise Seymour Terminal	Jackson County

Map ID	Tier II Facilities	Community
t16	Frontier Communications-Brownstown - 945-50724-82359	Brownstown
t17	Frontier Communications - 945-50730-82365	Crothersville
t18	Frontier Communications-Seymour - 945-50793-82428	Seymour
t19	Hi Hill Ready Mix Company	Seymour
t20	HWRT Terminal Seymour LLC	Jackson County
t21	Indiana American Water Company Incorporated	Jackson County
t22	Irving Materials, Inc.	Seymour
t23	Jackson County Rural Electric	Jackson County
t24	Kova Fertilizer (Seymour)	Jackson County
t25	Kremers Urban Pharmaceuticals, Incorporated	Seymour
t26	Logistics Center 2	Seymour
t27	Medora Substation	Jackson County
t28	Nippon Steel Pipe America, Inc.	Seymour
t29	O & K American Corporation	Seymour
t30	Plant 2	Seymour
t31	Premier Ag	Crothersville
t32	Premier Ag Brownstown	Brownstown
t33	Premier Ag Cortland	Jackson County
t34	Rose Acre Hatchery	Jackson County
t35	Rose Acre Warehouse	Seymour
t36	Rose Acres Farms Bottorff Farm	Jackson County
t37	Rose Acres Farms Chickacres Breeder Farm	Jackson County
t38	Rose Acres Farms Cort Acre Egg Farm	Jackson County
t39	Rose Acres Farms Incorporated	Jackson County
t40	RR Donnelley & Sons Company	Seymour
t41	Ruler Logistics	Seymour
t42	Rumpke of Indiana LLC Medora Sanitary Landfill	Jackson County
t43	Sand Acre Pullets	Jackson County
t44	Seymour	Seymour
t45	Seymour 138 KV Substation	Seymour
t46	Seymour Airport Rd. Substation	Seymour
t47	Seymour Cummins Engine Substation	Seymour
t48	Seymour Eastside Industrial Park Substation	Seymour
t49	Seymour Engineering Manufacturing Interface	Seymour
t50	Seymour Hub site	Seymour
t51	Seymour Manufacturing Company Incorporated	Seymour
t52	Seymour Obrien St. Substation	Seymour
t53	Seymour Regen	Seymour
t54	Seymour Terminal	Jackson County
t55	Shelby County Coop - Brownstown	Jackson County
t56	Silgan Plastics Corporation	Seymour
t57	Speedway 5546	Seymour
t58	Suburban Propane Medora	Jackson County
t59	TA Seymour	Seymour
t60	The Andersons - Seymour	Seymour
t61	The Home Depot Store #2021	Seymour
t62	Valeo- Plant 4	Seymour
t63	Valeo Logistics Center	Seymour

Map ID	Tier II Facilities	Community
t64	Valero #11746	Seymour
t65	Walmart DC 6017	Seymour

**APPENDIX 5: USGS STREAM GAGE LOCATIONS,
MAJOR WATERWAYS**

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Stream Gage Location	
Site Number	Site Name
03365500	East Fork White River near Seymour

Major Waterways		
Back Creek	Gum Lick Creek	Pruitt Branch
Ball Richard Ditch	Guthrie Creek	Retreat Ditch
Ballard Creek	Hall Sherman Ditch	Rider Ditch
Beatty Walker Ditch	Heddy Run	Runt Run
Bedel Ditch	Hinderlider Ditch	Sand Branch
Bee Creek	Horse Lick	Sand Creek
Blau Ditch	Hough Creek	Sandy Branch
Breitfield Ditch	Hunter Creek	Singer Ditch
Buck Branch	Indian Creek	Smallwood Ditch
Buck Creek	John McDonald Ditch	Smart Ditch
Callahan Branch	Kiper Creek	Snyder Ditch
Clear Spring Creek	Knob Creek	South Fork Creek
Combs Branch	Lewis Branch	South Fork Salt Creek
Combs Creek	Lincoln Back Branch	South Fork White Creek
Cooley Creek	Little Salt Creek	Spray Creek
Cross Branch	Luther McDonald Ditch	Starnes Branch
Delaney Creek	McHargue Ditch	Storm Creek
Dens Ford Ditch	McMillan Ditch	Stuckwisch Ditch
Dry Creek	Mill Creek	Sycamore Branch
East Arm	Mose Ray Branch	Thompson Slough
East Fork White Creek	Muscatatuck River	Tipton Creek
East Fork White River	Mutton Creek	Vernon Fork Muscatatuck River
Five Branch	Mutton Creek Ditch	Von Fange Ditch
Fleetwood Branch	Myers Branch	Wayman Ditch
Grassy Creek	Negro Creek	West Branch White Creek
Grassy Fork	Nehrt Ditch	White Creek
Greasy Creek	Pond Creek	Zollman Ditch

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APPENDIX 6: NCDC HAZARD DATA

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The following data tables indicate those events that have impacted Jackson County and the communities within. Please note that these tables only provide the information for those incidents where deaths, injuries, or property and/or crop damages were reported through the NCDC for this planning period. For complete tables listing all incidents impacting Jackson County, please visit:

<http://www.ncdc.noaa.gov/stormevents/choosedates.jsp?statefips=18%2CINDIANA>

<u>Location</u>	<u>Date</u>	<u>Type</u>	<u>Death</u>	<u>Injury</u>	<u>PrD</u>	<u>CrD</u>
Totals:			0	0	\$172.0K	\$12.0K
<u>SEYMOUR</u>	10/19/2016	Flood	0	0	\$30.0K	\$0.0K
<u>NEW FARMINGTON</u>	3/1/2017	Flood	0	0	\$1.0K	\$1.0K
<u>SEYMOUR</u>	4/29/2017	Flood	0	0	\$1.0K	\$0.0K
<u>MEDORA</u>	6/5/2019	Flash Flood	0	0	\$70.0K	\$5.0K
<u>UNIONTOWN</u>	6/5/2019	Flash Flood	0	0	\$50.0K	\$5.0K
<u>CORTLAND</u>	6/16/2019	Flash Flood	0	0	\$1.0K	\$1.0K
<u>FLEMING</u>	6/16/2019	Flash Flood	0	0	\$1.0K	\$0.0K
<u>MEDORA</u>	1/11/2020	Flood	0	0	\$15.0K	\$0.0K
<u>EWING</u>	8/10/2020	Flash Flood	0	0	\$3.0K	\$0.0K
<u>SHIELDS</u>	6/19/2021	Flash Flood	0	0	\$0.0K	\$0.0K
Totals:			0	0	\$172.0K	\$12.0K

<u>Location</u>	<u>Date</u>	<u>Type</u>	<u>Death</u>	<u>Injury</u>	<u>PrD</u>	<u>CrD</u>
Totals:			0	0	\$76.0K	\$0.0K
<u>JACKSON (ZONE)</u>	4/2/2016	High Wind	0	0	\$0.75K	\$0.0K
<u>EWING</u>	10/19/2016	Hail	0	0	\$30.0K	\$0.0K
<u>SEYMOUR</u>	3/1/2017	Thunderstorm Wind	0	0	\$10.0K	\$0.0K
<u>DUDLEYTOWN</u>	7/7/2017	Hail	0	0	\$10.0K	\$0.0K
<u>UNIONTOWN</u>	7/7/2017	Thunderstorm Wind	0	0	\$13.0K	\$0.0K
<u>UNIONTOWN</u>	7/7/2017	Hail	0	0	\$1.0K	\$0.0K
<u>EWING</u>	5/31/2018	Thunderstorm Wind	0	0	\$1.0K	\$0.0K
<u>SEYMOUR</u>	5/31/2018	Thunderstorm Wind	0	0	\$1.5K	\$0.0K
<u>BROWNSTOWN</u>	6/13/2018	Thunderstorm Wind	0	0	\$1.0K	\$0.0K
<u>FLEMING</u>	7/20/2018	Hail	0	0	\$1.0K	\$0.0K
<u>UNIONTOWN</u>	7/20/2018	Hail	0	0	\$1.0K	\$0.0K

<u>Location</u>	<u>Date</u>	<u>Type</u>	<u>Death</u>	<u>Injury</u>	<u>PrD</u>	<u>CrD</u>
<u>EWING</u>	3/14/2019	Hail	0	0	\$3.0K	\$0.0K
<u>SEYMOUR</u>	5/16/2019	Hail	0	0	\$35.0K	\$0.0K
<u>SEYMOUR</u>	6/16/2019	Hail	0	0	\$10.0K	\$0.0K
<u>JACKSON (ZONE)</u>	11/27/2019	High Wind	0	0	\$40.0K	\$0.0K
<u>ACME</u>	3/28/2020	Hail	0	0	\$15.0K	\$0.0K
<u>BOBTOWN</u>	3/28/2020	Thunderstorm Wind	0	0	\$0.5K	\$0.0K
<u>SEYMOUR</u>	7/11/2020	Thunderstorm Wind	0	0	\$1.0K	\$0.0K
<u>EWING</u>	8/10/2020	Thunderstorm Wind	0	0	\$1.0K	\$0.0K
<u>BOBTOWN</u>	6/18/2021	Hail	0	0	\$1.0K	\$0.0K
<u>UNIONTOWN</u>	6/18/2021	Hail	0	0	\$0.5K	\$0.0K
<u>ROCKFORD</u>	6/29/2021	Hail	0	0	\$1.0K	\$0.0K
<u>REDDINGTON</u>	6/29/2021	Thunderstorm Wind	0	0	\$0.25K	\$0.0K
Totals:			0	0	\$76.0K	\$0.0K

<u>Location</u>	<u>Date</u>	<u>Type</u>	<u>Death</u>	<u>Injury</u>	<u>PrD</u>	<u>CrD</u>
Totals:			0	0	\$115.0K	\$0.0K
<u>TAMPICO</u>	3/1/2017	Tornado – EF2	0	0	\$45.0K	\$0.00K
<u>SHIELDS</u>	3/14/2019	Tornado – EF1	0	0	\$70.0M	\$0.00K
Totals:			0	0	\$115.0K	\$0.0K

APPENDIX 7: POTENTIAL FUNDING SOURCES

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Assistance to Firefighters Grant

The Assistance to Firefighters Grant (AFG) is a competitive grant opportunity for local fire departments and Emergency Medical Service (EMS) organizations that are not affiliated with a hospital.

Previous Activities Funded: The AFG funds activities such as purchasing firefighting equipment, personal protection equipment, training, firefighting vehicles, and firefighter/first responder safety projects.

<https://www.fema.gov/grants/preparedness/firefighters>

Challenge 21, Floodplain

Challenge 21, the Army Corps' flood hazard mitigation and riverine ecosystem restoration initiative, will focus on more sustainable approaches. Through its focus on non-structural alternatives to flood protection, it will, where appropriate, move families and businesses out of harm's way and strive to return the floodplains of rivers and creeks to a condition where they can naturally moderate floods as well as provide other benefits to communities and the environment. Watershed by watershed, Challenge 21 builds on existing programs and initiates and expands partnerships with other Federal agencies and non-Federal national and local entities. Key Federal partners include the FEMA, the Department of Agriculture, the Department of Interior and the EPA.

Previous Activities Funded: A project might include the relocation of threatened homes or businesses, conservation or restoration of wetlands and natural floodwater storage areas and planning for responses and solutions to potential future floods

http://www.americanrivers.org/site/PageServer?pagename=AMR_content_d156

Clean Water State Revolving Loan Fund

Clean Water State Revolving Loan Fund (CWSRLF) programs operate much like environmental infrastructure banks that are capitalized with federal and state contributions. CWSRLF monies are loaned to communities and loan repayments are recycled back into the program to fund additional water quality protection projects. The revolving nature of these programs provides for an ongoing funding source that will last far into the future.

Previous Activities Funded: The CWSRF funds a broad range of projects—from wastewater systems and nonpoint source pollution control to estuary management and a range of projects focusing on water quality. Funding is typically directed to state-identified high priority projects based on several factors, including: public health protection; condition of impacted waters; and communities' regulatory compliance status.

<https://www.epa.gov/cwsrf>

Community Development Block Grants

Communities receiving Community Development Block Grants (CDBG) funds from the State may use the funds for many kinds of community development activities including, but not limited to property acquisition, public services, planning activities, and community development activities.

Previous Activities Funded: Funds have been used in Indiana for purposes such as Public facility improvements, flood and drainage facilities, Fire stations and equipment, and various community related activities and facilities.

<https://www.in.gov/ocra/cdbg.htm>

Community Facilities Grants and Loans

The Rural Development (RD) of the Department of Agriculture offers loans and grants to create jobs and support economic development and essential services such as housing; health care; first responder services and equipment; and water, electric and communications infrastructure.

Previous Activities Funded: Priority for funding will be given to those projects that will enhance public safety such as fire, police, rescue, and ambulance services, and projects for health care facilities. The fire service can use the funding for fire stations, fire trucks and rescue vehicles.

<https://www.rd.usda.gov/programs-services/community-facilities-direct-loan-grant-program>

Community Rating System

The National Flood Insurance Program's (NFIP) Community Rating System (CRS) is a voluntary incentive program that recognizes and encourages community floodplain management activities that exceed the minimum NFIP requirements. As a result, flood insurance premium rates are discounted to reflect the reduced flood risk resulting from the community actions meeting the three goals of the CRS: (1) reduce flood losses; (2) facilitate accurate insurance rating; and (3) promote the awareness of flood insurance.

Previous Activities Funded: While the CRS does not provide direct funding, reductions in insurance premiums can be significant for participants.

<https://www.fema.gov/flood-insurance/rules-legislation/community-rating-system>

Conservation Reserve Program

The Conservation Reserve Program (CRP) is a voluntary program for agricultural landowners. Through CRP, landowners can receive annual rental payments and cost-share assistance to establish long-term, resource conserving covers on eligible farmland to reduce soil erosion, and potential flood loss and damage.

Previous Activities Funded: Filter Strip Establishment, Wetland Restoration, Riparian Buffer Establishment

<https://www.fsa.usda.gov/programs-and-services/conservation-programs/conservation-reserve-program/>

Department of Interior Rural Fire Assistance Program

The Department of Interior (DOI) Rural Fire Assistance Program is aimed at enhancing the fire protection capabilities of rural fire districts in the wildland urban interface. The rural fire department must serve a community with a population of 10,000 or less and must have a statewide agreement with the state forester who maintains cooperative agreements with the rural fire departments or volunteer fire departments or a cooperative fire agreement with an agency in the DOI.

Previous Activities Funded: The program assists with training, equipment purchase, and prevention activities, on a 90/10 cost-share basis.

<http://www.nifc.gov/rfa/steps.html>

Disposal of Federal Surplus Real Property for Parks, Recreation, and Historic Monuments

Surplus real property may be conveyed for public park and recreation use at discounts up to 100 percent of fair market value and for historic purposes without monetary consideration. Property conveyed for park and recreation use or historic purposes must be used for these purposes in perpetuity or be reverted to Federal ownership.

Previous Activities Funded: Property, either real or land, varies with time with items available for public sale, lease or extended use in perpetuity.

http://www.federalgrantswire.com/disposal_of_federal_surplus_real_property_for_parks_recreation_and_historic_monuments.html

Emergency Conservation Program

The United States Department of Agriculture (USDA) Farm Service Agency's (FSA) Emergency Conservation Program (ECP) provides emergency funding and technical assistance for farmers and ranchers to rehabilitate farmland damaged by natural disasters and for carrying out emergency water conservation measures in periods of severe drought.

Previous Activities Funded: This assistance is in the form of a direct payment to affected eligible landowners and is administered through the Farm Service Agency.

<http://disaster.fsa.usda.gov/ecp.htm>

Environmental Quality Incentive Program

The Environmental Quality Incentive Program (EQIP) offers contracts with a minimum term that ends one year after the implementation of the last scheduled practices and a maximum term of ten years. These contracts provide incentive payments and cost-shares to implement conservation practices. Persons who are engaged in livestock or agricultural production on eligible land may participate in the EQIP program. EQIP activities are carried out according to an environmental quality incentives program plan of operations developed in conjunction with the producer that identifies the appropriate conservation practice or practices to address the resource concerns. The practices are subject to Natural Resources Conservation Service (NRCS) technical standards adapted for local conditions. The local conservation district approves the plan.

Previous Activities Funded: Cost sharing may pay up to 75 percent of the costs of certain conservation practices, such as grassed waterways, filter strips, manure management facilities, capping abandoned wells, and other practices important to improving and maintaining the health of natural resources in the area.

<http://www.nrcs.usda.gov/programs/eqip/>

Emergency Rehabilitation of Flood Control Works

Assistance does not extend to major improvements of flood control or federally authorized coastal protection structures, nor to reimbursement of individuals or communities for funds expended in repair or rehabilitation efforts.

Previous Activities Funded: Authorized assistance includes emergency repair or rehabilitation of flood control works damaged by flood, and restoration of federally authorized coastal protection structures damaged by extraordinary wind, wave, or water action.

http://www.federalgrantswire.com/emergency_rehabilitation_of_flood_control_works_or_federally_authorized_coastal_protection_works.html

Emergency Watershed Protection Program

The Emergency Watershed Protection Program (EWPP) work is not limited to any one set of prescribed measures. A case by case investigation of the needed work is made by NRCS.

Previous Activities Funded: EWPP work can include: removing debris from stream channels, road culverts, and bridges; reshaping and protecting eroded banks; correcting damaged drainage facilities; repairing levees and structures; reseeding damaged areas; and purchasing floodplain easements.

<http://www.nrcs.usda.gov/programs/ewp/questions.html>

Farmland Protection Program

The Farmland Protection Program provides funds to help purchase development rights to keep productive farmland in agricultural uses. To qualify, farmland must: be part of a pending offer from a State, tribe, or local farmland protection program; be privately owned; have a conservation plan; be large enough to sustain agricultural production; be accessible to markets for what the land produces; have adequate infrastructure and agricultural support services; and have surrounding parcels of land that can support long-term agricultural production. Depending on funding availability, proposals must be submitted by the government entities to the appropriate NRCS State Office during the application window.

Previous Activities Funded: Working through existing programs, USDA joins with State, tribal, or local governments to acquire conservation easements or other interests from landowners. USDA provides up to 50 percent of the fair market easement value.

<http://www.info.usda.gov/nrcs/fpcp/fpp.htm>

Fire Prevention & Safety Grant

The purpose of these grants is to enhance the safety of the public and firefighters with respect to fire and fire-related hazards. The primary goal of the Assistance to Firefighters Grant (AFG) Program's Fire Prevention and Safety Grant (FP&S) is to reach high-risk target groups in order to mitigate the high incidences of death and injuries. Additionally for Fiscal Year (FY) 2005 Congress amended the authorization to include funding for Firefighter Safety Research and Development. This guidance provides details for applying for either of these financial assistance instruments. There is no cost share requirement for the FY 2005 Fire Prevention and Safety grants.

Previous Activities Funded: Grants have been awarded to assist with the costs associated with training, equipment, vehicles for fire departments and firefighter safety research.

<https://www.fema.gov/grants/preparedness/firefighters/safety-awards>

Flood Mitigation Assistance Program

The Flood Mitigation Assistance (FMA) program provides funding to assist States and communities in implementing measures to reduce or eliminate the long-term risk of flood damage to buildings, manufactured homes, and other structures insurable under the National Flood Insurance Program (NFIP). There are three types of grants available under FMA: Planning, Project, and Technical Assistance Grants. FMA Planning Grants are available to States and communities to prepare Flood Mitigation Plans. NFIP-participating communities with approved Flood Mitigation Plans can apply for FMA Project Grants. FMA Project Grants are available to States and NFIP participating communities to implement measures to reduce flood losses.

Previous Activities Funded: A few examples of eligible FMA projects include: the elevation, acquisition, and relocation of NFIP-insured structures.

<http://www.fema.gov/fima/mitgrant.shtm>

Hazards Mitigation Grant Program

Authorized under Section 404 of the Stafford Act, the Hazard Mitigation Grant Program (HMGP) provides grants to States and local governments to implement long-term hazard mitigation measures after a major disaster declaration. The purpose of the program is to reduce the loss of life and property due to natural disasters and to enable mitigation measures to be implemented during the immediate recovery from a disaster declaration. The purpose of the program is to reduce the loss of life and property due to natural disasters and to enable mitigation measures to be implemented during the immediate recovery from a disaster.

Previous Activities Funded: Acquisition of hazard-prone property; stormwater management, elevation of flood-prone structures, and infrastructure protection measures are all considered eligible projects and have been funded in the past.

<http://www.fema.gov/fima/mitgrant.shtm>

Hazardous Materials Emergency Preparedness Grant

The Hazardous Materials Emergency Preparedness (HMEP) grant program is intended to provide financial and technical assistance as well as national direction and guidance to enhance State, Territorial, Tribal, and local hazardous materials emergency planning and training. The HMEP Grant Program distributes fees collected from shippers and carriers of hazardous materials to emergency responders for hazmat training and to Local Emergency Planning Committees (LEPCs) for hazmat planning.

Previous Activities Funded: These grants have been used for developing, improving, and implementing emergency plans, and training public sector employees to respond safely and efficiently to accidents and incidents involving the transportation of hazardous materials.

<http://hazmat.dot.gov/training/state/hmep/hmep.htm>

Indiana Family and Social Services Administration

The Family and Social Services Administration provides services to help keep children healthy and safe and help families to self-sufficient.

Previous Activities Funded: The agency may provide programs related to heating/cooling of residential buildings, temporary housing, and other important contacts in the event of an emergency or disaster.

<http://www.in.gov/fssa/families/>

Indiana Resource Conservation & Development Districts

The purpose of the Resource Conservation and Development (RC&D) program is to accelerate the conservation, development and utilization of natural resources, improve the general level of economic activity, and to enhance the environment and standard of living in designated RC&D areas. It improves the capability of State, tribal and local units of government and local nonprofit organizations in rural areas to plan, develop and carry out programs for resource conservation and development. The program also establishes or improves coordination systems in rural areas.

Previous Activities Funded: Forestry projects, wetland development, Community training projects, and other projects related to community and natural resource enhancement and protection.

<http://www.in.nrcs.usda.gov/programs/RC&D/RC&Dhomepage.html>

Indiana Rural Development Council

The Indiana Rural Development Council (IRDC) is a partnership of local, state, federal, profit and not-for-profit stakeholders that serve Indiana communities. The IRDC's purpose is to coordinate efforts of citizens and governments to meet the economic and social needs of rural Indiana.

Previous Activities Funded: These funds will be utilized to address a variety of rural issues in the areas of economic/community development, planning, leadership, infrastructure, health, telecommunication/education, workforce development, agriculture, and rural regional development initiatives.

<http://www.in.gov/irdc/index.html>

Indiana State Revolving Loan Fund

The Indiana State Revolving Fund (SRF) Loan Program provides low-interest loans to Indiana communities for projects that improve wastewater and drinking water infrastructure. The Indiana Department of Environmental Management (IDEM) and the Indiana State Budget Agency work together to administer this program and to protect public health and the environment. Recently, SRF has implemented a program to fund nonpoint source projects, as well.

Previous Activities Funded: Activities include Treatment plant improvements and upgrades, Riparian Buffers and Conservation Easements, and Wetland protection and restoration measures.

<http://www.in.gov/idem/srf/factsht0704.doc>

Indiana Transportation Enhancements Program

Transportation enhancements (TE) are transportation-related activities that are designed to strengthen the cultural, aesthetic, and environmental aspects of the Nation's inter-modal transportation system.

Previous Activities Funded: The transportation enhancements program provides for the implementation of a variety of non-traditional projects, with examples ranging from Acquisition of scenic easements, landscaping and scenic beautification, and to the mitigation of water pollution from highway runoff all of which could be utilized as measures to control or mitigate flood damage.

http://www.enhancements.org/statecontacts_TE.asp

Land and Water Conservation Fund

The Land and Water Conservation Fund (LWCF) program provides matching grants to States and local governments for the acquisition and development of public outdoor recreation areas and facilities. The program is intended to create and maintain a nationwide legacy of high quality recreation areas and facilities and to stimulate non-federal investments in the protection and maintenance of recreation resources across the United States.

Previous Activities Funded: Funds have been widely utilized for land acquisition, open space/greenspace development, which can include wetland development, critical seeding areas and other projects that can reduce the impacts of flooding.

<http://www.nps.gov/lwcf/>

Low Interest Loan Incentives

Loan amounts up to \$700,000 with interest rates of 2.5 percent to 3.0 percent are available to cities, towns and counties. The loan pays for the cost of remediation and/or demolition at identified brownfield sites.

Previous Activities Funded: Eligible activities include: soil and groundwater cleanup, demolition activities, asbestos/lead paint abatement, and additional investigations.

<http://www.idfabrownfields.com/assistance.aspx#LILI>

National Flood Insurance Program

The National Flood Insurance Program (NFIP) is a Federal program enabling property owners in participating communities to purchase insurance protection against losses from flooding. This insurance is designed to provide an insurance alternative to disaster assistance to meet the escalating costs of repairing damage to buildings and their contents caused by floods. Participation in the NFIP is based on an agreement between local communities and the Federal Government that states if a community will adopt and enforce a floodplain management ordinance to reduce future flood risks to new construction in Special Flood Hazard Areas, the Federal Government will make flood insurance available within the community as a financial protection against flood losses.

Previous Activities Funded: Flood insurance is made available within the community as a financial protection against flood losses.

<http://www.fema.gov/nfip/intnfip.shtm>

Office for Domestic Preparedness Terrorism Formula Grants

The Office for Domestic Preparedness (ODP) provides funding through the states awards to enhance the capacity of emergency responders to prevent, deter, or respond to terrorist incidents involving weapons of mass destruction. The funding is awarded to a point of contact in each state and then distributed within the state.

Previous Activities Funded: Activities have included training, technical assistance, equipment, planning and exercises related to domestic terrorism events.

<http://www.ojp.gov/state.htm>

Petroleum Remediation Grant Incentive

Grant amounts up to \$250,000 per applicant and per funding round are available to cities, towns and counties. The grant pays for the cost of petroleum remediation at identified brownfield sites.

Previous Activities Funded: Eligible activities include: underground storage tank removal, Corrective Action Plan preparation, IDEM approved remediation and monitoring.

<http://www.idfabrownfields.com/assistance.aspx#PRGI>

<http://www.fema.gov/fima/mitgrant.shtm>

Public Assistance Grant Program

FEMA's Public Assistance (PA) Grant Program allows State and Local governments and Non-Profit Organizations to respond to disasters, to recover from their impact and to mitigate impact from future disasters. The PA Program provides the basis for consistent training and credentialing of staff who administer the

program; more accessible and understandable guidance and policy for participating in the grant program; improved customer service through a more efficient grant delivery process, applicant-centered management, and better information exchange; and continuing performance evaluations and program improvements.

Previous Activities Funded: Debris removal from public roads and rights-of-way, Emergency protective measures including search and rescue, warning of hazards, and demolition of unsafe structures, Utility Distribution Systems, such as water treatment and delivery systems; and sewage collection and treatment facilities and public parks.

<http://www.fema.gov/rrr/pa/>

Purdue Cooperative Extension Service

Purdue Cooperative Extension Service provides valuable educational materials and training programs to assist in the event of a disaster or emergency

Steve Cain
Disaster Communication Specialist
615 W. State Street
Purdue University
West Lafayette, IN 47907
765-494-8410

Previous Activities Funded: Activities are educational in nature and not generally monetary offerings.

<http://www.ces.purdue.edu/eden/index.html>

Severe Repetitive Loss

This purpose of this FEMA program is to reduce or eliminate claims under the NFIP. This program applies to residential properties covered under an NFIP flood insurance policy and has at least 4 NFIP claim payments over \$5,000 each and a cumulative amount exceeds \$20,000 OR for which 2 separate claims payments have been made with the cumulative amount of the building portion exceeding the market value of the building.

Previous Activities Funded: Acquisition and demolition or relocation of at risk structures and conversion of the land to open space; elevation of existing structures to at least the Base Flood Elevation (BFE); minor physical localized flood reduction projects; and dry floodproofing for historic properties only.

<http://www.fema.gov/government/grant/srl/index.shtm>

Staffing for Adequate Fire and Emergency Response Grants

The purpose of the Staffing for Adequate Fire and Emergency Response (SAFER) grants is to award grants directly to volunteer, combination, and career fire departments to help the departments increase their cadre of firefighters. Ultimately, the goal is for SAFER grantees to enhance their ability to attain 24-hour staffing and thus assuring their communities have adequate protection from fire and fire-related hazards.

Previous Activities Funded: The SAFER grants have two activities that will help grantees attain this goal: 1) hiring of firefighters and 2) recruitment and retention of volunteer firefighters.

<http://www.firegrantsupport.com/safer/>

Volunteer Fire Assistance Program

The purpose of the Volunteer Fire Assistance (VFA) Program, formerly known as the Rural Community Fire Protection (RCFP) Program, is to provide Federal financial, technical, and other assistance to State foresters to train, and equip fire departments in rural areas and rural communities to prevent and suppress fires. A rural community is defined as having 10,000 or less population. This 10,000-population limit for participation in the VFA Program facilitates distribution of available VFA funding to the most needy fire departments. The funding must be matched on a 50-50% basis by non-federal dollars or in-kind.

Previous Activities Funded: Purchase of Self-Contained Breathing Apparatus, Protective clothing, installation of dry hydrants, and training for volunteer fire fighters.

www.fs.fed.us/fire/planning/vfa

Weatherization Assistance Program

Indiana's Weatherization Assistance Program provides residential energy conservation services to the low-income citizens of Indiana. Funding comes from federal sources and is allocated to Community Action Agencies (CAA) to provide services in each of Indiana's 92 counties. The CAAs use their own crews or private contractors to provide comprehensive energy conservation services.

Previous Activities Funded: A thorough evaluation of the structures, including the safe and efficient operation of the furnace and water heater, is included in the treatment of each home.

<http://www.in.gov/fssa/families/housing/wap.html>

Wetland Reserve Program

The Wetlands Reserve Program (WRP) is a voluntary program offering landowners the opportunity to protect, restore, and enhance wetlands on their property. The NRCS goal is to achieve the greatest wetland functions and values, along with optimum wildlife habitat, on every acre enrolled in the program. This program offers landowners an opportunity to establish long-term conservation and wildlife practices and protection.

Previous Activities Funded: The USDA Natural Resources Conservation Service (NRCS) provides technical and financial support to help landowners with their wetland restoration efforts.

<http://www.nrcs.usda.gov/programs/wrp/>

Wildlife Habitat Incentive Program

The Wildlife Habitat Incentives Program (WHIP) is a voluntary program for people who want to develop and improve wildlife habitat primarily on private land. Through WHIP USDA's Natural Resources Conservation Service provides both technical assistance and up to 75 percent cost-share assistance to establish and improve fish and wildlife habitat. WHIP agreements between NRCS and the participant generally last from 5 to 10 years from the date the agreement is signed.

Previous Activities Funded: Development of areas primarily targeted for wildlife habitat also serve as beneficial areas for flood mitigation activities such as wetland construction/restoration, native grass plantings, and filter area establishment.

<http://www.nrcs.usda.gov/programs/whip/>

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APPENDIX 8: CRS CHECKLIST

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CRS 10-Step Planning Process	Max. Points	Est. Points	Comments
1. Organize and Prepare the Plan	15	13	
Involvement of office responsible for community planning	4	4	Table 1-1 lists Planning Committee name, title, and department/agency represented
Planning committee of department staff	9	9	Table 1-1 lists Planning Committee name, title, and department/agency represented
Process formally created by the community's governing board	2	0	
2. Involve the Public	120	60	
Planning process conducted through a planning committee	60	30	Appendix 2 contains Planning Committee meeting agendas and summaries; Planning Committee reviewed draft MHMP, assisted with public review, and assisted with local adoption
Public meetings held at the beginning of the planning process	15	0	
Public meeting held on the draft plan	15	15	Full draft presented to the public; draft plan made available for public review on webpage, EMA office, Planning Office
Other public information activities to encourage input	30	15	Plan posted to website, press release; outreach flyer
3. Coordinate with Other Agencies	35	25	
Review of existing studies and plans (required)	5	5	Conducted a Community Capability Assessment to better understand existing mitigation programs, policies, and projects
Coordinating with communities and other agencies	30	20	Appendix 3 includes the invitation sent to the surrounding County EMA Directors; IDNR, FEMA and IDHS involved in planning process
4. Assess the Hazard	35	35	
Map of known flood hazards	5	5	Exhibit illustrates FIRM floodplains as well as the location of critical facilities.
Description of known flood hazards	5	5	Section 3 discusses areas with a known localized flooding issue as well as floodplains; Table shows potential losses of structures located within floodplains
Discussion of past floods	5	5	Section provides an overview of the most recent floods of note as identified by the Planning Committee, local media sources, and NCDC data; Table shows Repetitive Loss numbers; Table shows flood insurance claims
Plan includes assessment of less frequent floods	10	10	Section 3 discusses areas with a known localized flooding issue as well as floodplains; Table shows potential losses of structures located within floodplains
Plan includes assessment of areas likely to flood	5	5	Section 3 discusses areas with a known localized flooding issue as well as floodplains; Table shows potential losses of structures located within floodplains
Describes other natural hazards (required DMA)	5	5	Section 3 includes information related to Drought, Earthquake; Extreme Temperature; Fire; Flood; Hailstorm, Thunderstorm, and Windstorm; Land Subsidence; Tornado; Winter Storm and Ice; Cyber-Attack; Dam Failure; Hazardous Materials
5. Assess the Problem	52	34	
Summary of hazard and impact on community (required)	2	2	Section 3.0 includes a Vulnerability Assessment for each hazard (Drought, Earthquake; Extreme Temperature; Fire; Flood; Hailstorm, Thunderstorm, and Windstorm; Land Subsidence; Tornado; Winter Storm and Ice; Cyber-Attack; Dam Failure; Hazardous Materials) that specifies (where possible) the number of critical facilities that would be impacted
Impact on life, safety, health, procedures for warning and evacuation	5	5	Section 3.0 includes a Vulnerability Assessment for each hazard (Drought, Earthquake; Extreme Temperature; Fire; Flood; Hailstorm, Thunderstorm, and Windstorm; Land Subsidence; Tornado; Winter Storm and Ice; Cyber-Attack; Dam Failure; Hazardous Materials) that specifies (where possible) the number of critical facilities that would be impacted
Impact on public health including health hazards to floodwater/mold	5		
Impact on critical facilities and infrastructure	5	5	Section 3.0 includes a Vulnerability Assessment for each hazard (Drought, Earthquake; Extreme Temperature; Fire; Flood; Hailstorm, Thunderstorm, and Windstorm; Land Subsidence; Tornado; Winter Storm and Ice; Cyber-Attack; Dam Failure; Hazardous Materials) that specifies (where possible) the number of critical facilities that would be impacted

CRS 10-Step Planning Process	Max. Points	Est. Points	Comments
Impact on community's economy and tax base	5	0	
Number and types of buildings subject to the hazards	5	5	Section 3.0 includes a Vulnerability Assessment for each hazard (Drought, Earthquake; Extreme Temperature; Fire; Flood; Hailstorm, Thunderstorm, and Windstorm; Land Subsidence; Tornado; Winter Storm and Ice; Cyber-Attack; Dam Failure; Hazardous Materials) that specifies (where possible) the number of critical facilities that would be impacted
Review of all flood insurance claims	5	5	Table list flood insurance claims
Natural and beneficial function of natural areas	5	5	Section 3 discusses the natural and beneficial function of floodplains for flood storage
Development, redevelopment, and population trends	7	7	Section2 discusses population and demographics
6. Set Goals (required)	2	2	Section 4.1 list goal for MHMP - to reduce social, physical, and economic losses from hazards
7. Review Possible Activities	35	35	
Preventive activities	5	5	Section 4.2.1 discusses existing Mitigation Practices; Table 4-1 lists proposed Mitigation Practices for Preventive
Floodplain management regulatory/current and future conditions	5	5	Section 4.2.1 discusses existing Mitigation Practices; Table 4-1 lists proposed Mitigation Practices for Property Protection
Property protection activities	5	5	Section 4.2.1 discusses existing Mitigation Practices; Table 4-1 lists proposed Mitigation Practices for Property Protection
Natural resource protection activities	5	5	Section 4.2.1 discusses existing Mitigation Practices; Table 4-1 lists proposed Mitigation Practices for Natural Resource Protection
Emergency services activities	5	5	Section 4.2.1 discusses existing Mitigation Practices; Table 4-1 lists proposed Mitigation Practices for Emergency Services
Structural projects	5	5	Section 4.2.1 discusses existing Mitigation Practices; Table 4-1 lists proposed Mitigation Practices for Structural Projects
Public information activities	5	5	Section 4.2.1 discusses existing Mitigation Practices; Table 4-1 lists proposed Mitigation Practices for Public Information
8. Draft Action Plan	60	60	
Recommendations for activities 2 of 6 categories from #7 (prioritized)	10	0	
Recommendations for activities 3 of 6 categories from #7 (prioritized)	20	0	
Recommendations for activities 4 of 6 categories from #7 (prioritized)	30	0	
Recommendations for activities 5 of 6 categories from #7s (prioritized)	45	45	Table 4-1 lists and prioritizes proposed Mitigation Practices for all 6 possible activities (Prevention, Property Protection, Natural Resource Protection, Emergency Services, Structural Projects, and Public Information); Section 5.0 includes an Implementation Plan for High Priority Mitigation Practices
Post-disaster mitigation policies and procedures	10	10	Section 6.1 recommends the EMA Director reassemble the Planning Committee following a significant hazard incident to review the effectiveness of existing Mitigation Practices and make recommendations for improvement
Action items for mitigation other hazards	5	5	Table 4-1 includes Mitigation Practices for Drought, Earthquake; Extreme Temperature; Fire; Flood; Hailstorm, Thunderstorm, and Windstorm; Land Subsidence; Tornado; Winter Storm and Ice; Cyber-Attack; Dam Failure; Hazardous Materials Section 5.0 includes an Implementation Plan for High Priority Mitigation Practices
9. Adopt the Plan	2	2	
10. Implement, Evaluate and Revise	26	26	
Procedures to monitor and recommend revisions (required)	2	2	Section 6.1 includes a process to monitor, evaluate, and update the MHMP; effort to be led by EMA Director
Plan evaluated by same (or equally qualified) planning committee	24	24	Section 6.1 acknowledges that the successful implementation of the Mitigation Practices identified in this MHMP will require cooperation and participation of entire Planning Committee.
TOTAL	382	292	

APPENDIX 9: COMMUNITY CAPABILITY ASSESSMENT

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Plans	Comprehensive Plan	Local Emergency Plan	Economic Development	Watershed Plan
Jackson County	2006	Jackson County MHMP – 2015 and 2022 serve as a multi-jurisdictional approach to emergency planning.	Jackson County Industrial Development Commission	
Town of Brownstown	<i>With Jackson County</i>			
Town of Crothersville	<i>With Jackson County</i>			
Town of Medora				
City of Seymour				

Ordinances	Zoning Ordinance	Subdivision Control Ordinance	Stormwater Ordinance	Burning Ordinance	Water Conservation Ordinance
Jackson County					
Town of Brownstown					
Town of Crothersville					
Town of Medora					
City of Seymour					

Programs	NFIP	CRS	Tree City	Storm Ready	Mutual Aid Agreements
Jackson County	180405#	No	No	Yes	Yes Fire, Police, EMS
Town of Brownstown	180317#	No	No	Yes	
Town of Crothersville	180378#	No	No	Yes	
Town of Medora	180098#	No	No	Yes	
City of Seymour	180099#	No	Yes	Yes	

Studies/Maps	FIRMs	Evacuation Routes	Vulnerable Populations	At-Risk Structures	River Basin Partnership
Jackson County	11/19/2014	HazMat			No
Town of Brownstown	11/19/2014	HazMat			No
Town of Crothersville	11/19/2014	HazMat			No
Town of Medora	11/19/2014	HazMat			No
City of Seymour	11/19/2014	HazMat; FRP			No

Staffing	Building/ Planning	GIS	Engineer / Surveyor	Street/ Highway	Floodplain Admin
Jackson County	Conner Barnette, Building Commissioner	Schneider provides contracted services	Daniel Blann, County Surveyor	Jerry Ault, Highway Superintendent	Conner Barnette, Building Commissioner
Town of Brownstown	Conner Barnette, Building Commissioner				
Town of Crothersville	Conner Barnette, Building Commissioner				
Town of Medora					
City of Seymour	Dave Neukam, Building Inspector		Bernard Hauersperger, City Engineer	Chad Dixon Director of Public Works	

APPENDIX 10: IMPLEMENTATION CHECKLIST

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MITIGATION PRACTICE	HAZARD ADDRESSED	STATUS	PRIORITY	2027 STATUS
Community Rating System 1. Investigate potential to reduce flood insurance premiums through additional participation in the NFIP’s CRS Program. <i>(Will assist with NFIP compliance)</i>	<input type="checkbox"/> Drought <input type="checkbox"/> Earthquake <input type="checkbox"/> Extreme Temperature <input type="checkbox"/> Fire <input checked="" type="checkbox"/> Flood <input type="checkbox"/> Hail/Thunder/Wind <input type="checkbox"/> Landslide/Subsidence <input type="checkbox"/> Tornado <input type="checkbox"/> Winter Storm/Ice <input type="checkbox"/> Cyber-Attack <input type="checkbox"/> Dam Failure <input type="checkbox"/> HazMat Incident	Ongoing – Proposed Enhancement – 1. Participation from Jackson County, Medora, and Seymour	High	
Land Use Planning & Zoning 1. Incorporate hazard information, risk assessment, and hazard mitigation practices into the Comprehensive Land Use Plan and Development Review to better guide future growth and development	<input checked="" type="checkbox"/> Drought <input checked="" type="checkbox"/> Earthquake <input checked="" type="checkbox"/> Extreme Temperature <input checked="" type="checkbox"/> Fire <input checked="" type="checkbox"/> Flood <input checked="" type="checkbox"/> Hail/Thunder/Wind <input checked="" type="checkbox"/> Landslide/Subsidence <input checked="" type="checkbox"/> Tornado <input checked="" type="checkbox"/> Winter Storm/Ice <input checked="" type="checkbox"/> Cyber-Attack <input checked="" type="checkbox"/> Dam Failure <input checked="" type="checkbox"/> HazMat Incident	Ongoing – 1. Basic information has been included within the 2006 Jackson County Comprehensive Plan Proposed Enhancement – 1. Update Comprehensive Plans and include information related to hazards, more definitively outline higher risk areas and those that should be avoided for future development	High	
Power Backup Generators 1. Inventory, prioritize, and retrofit public facilities and/or critical facilities with appropriate wiring and electrical capabilities for utilizing a large generator for power back up 2. Secure a fuel reserve, or ensure contractual emergency provisions so critical infrastructure may run on power backup for extended periods of time	<input type="checkbox"/> Drought <input checked="" type="checkbox"/> Earthquake <input checked="" type="checkbox"/> Extreme Temperature <input checked="" type="checkbox"/> Fire <input checked="" type="checkbox"/> Flood <input checked="" type="checkbox"/> Hail/Thunder/Wind <input checked="" type="checkbox"/> Landslide/Subsidence <input checked="" type="checkbox"/> Tornado <input checked="" type="checkbox"/> Winter Storm/Ice <input checked="" type="checkbox"/> Cyber-Attack <input checked="" type="checkbox"/> Dam Failure <input checked="" type="checkbox"/> HazMat Incident	Ongoing – 1. Many critical facilities have generators or have added since the last plan 2. Some communities have verbal agreements for fuel supplies Proposed Enhancements – 1. Inventory generator capabilities and needs and prioritize within each community to determine needs for future purchases 2. Secure a fuel reserve via contract service agreement	High	
Geographic Information Systems 1. Train GIS staff in HAZUS-MH to quantitatively estimate losses in “what if scenarios” and continue to use the most recent GIS data in land use planning efforts	<input checked="" type="checkbox"/> Drought <input checked="" type="checkbox"/> Earthquake <input checked="" type="checkbox"/> Extreme Temperature <input checked="" type="checkbox"/> Fire <input checked="" type="checkbox"/> Flood <input checked="" type="checkbox"/> Hail/Thunder/Wind <input checked="" type="checkbox"/> Landslide/Subsidence <input checked="" type="checkbox"/> Tornado <input checked="" type="checkbox"/> Winter Storm/Ice <input checked="" type="checkbox"/> Cyber-Attack <input checked="" type="checkbox"/> Dam Failure <input checked="" type="checkbox"/> HazMat Incident	Ongoing – Proposed Enhancements – 1. Provide training opportunities for GIS staff related to HAZUS-MH.	Low	

[illegible]

