

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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Hendricks County Multi-Hazard Mitigation Plan Update
Project Team Meeting

Hendricks County Fairgrounds
1900 E Main Street
Danville IN 46122

August 31, 2020

9:00 am

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 (Hendricks County GIS) x # structures x replacement

25% of structures=100% damage

35% of structures=50% damage

40% of structures=25% damage

Hendricks County Multi-Hazard Mitigation Plan Update
Project Team Meeting

Hendricks County Government Building
1900 E Main Street
Danville IN 46122

August 31, 2020

9:00 am

SUMMARY

Project Team Members Present:

Name	Office	Representing
Michael Alexander	Amo Fire Department/EMS	Town of Amo
Brent Anderson	Plainfield Fire Department	Town of Plainfield
John Ayers	Engineering Department	Hendricks County
Kevin Basham	North Salem Fire Department	Town of North Salem
Doug Bignell	Clayton Town Council	Town of Clayton
Robin Brandgard	Plainfield Town Council	Town of Plainfield
Pat Bullock	Brownsburg Police Department	Town of Brownsburg
Ryan Cannon	Avon Town Manager	Town of Avon
Polly Carter	Stilesville Clerk-Treasurer	Town of Stilesville
Aaron Clapp	Jamestown Town Council	Town of Jamestown
Brett Clark	Sheriff Department	Hendricks County
Steve Cook	Communications Department	Hendricks County
Jeff Corder	Health Department	Hendricks County
Tonya Cottrell	Floodplain Administrator	Hendricks County
Dennis Dawes	Brownsburg Town Council	Town of Brownsburg
Jerry Decker	Coatesville Town Council	Town of Coatesville
Timothy Dombrosky	Building Department	Hendricks County
Jeffery Eder	Brownsburg Town Manager	Town of Manager
Becky Fancher	North Salem Town Council	Town of North Salem
Bob Gentry	County Commissioner	Hendricks County
Chris Gerald	Danville Town Council	Town of Danville
Jimmie Hieston	Jamestown Fire Department	Town of Jamestown
Jim Hilton	Danville Police Department	Town of Danville
Steve Kershaw	Stilesville Fire Department	Town of Stilesville
Scott King	Pittsboro Police Department	Town of Pittsboro
Andrew Klinger	Plainfield Town Manager	Town of Plainfield
Ron Kneeland	North Salem Town Marshal	Town of North Salem
Jared McKee	Plainfield Police Department	Town of Plainfield
Mark Morgan	Danville Town Manager	Town of Danville
Rob Roberts	Danville Fire Department	Town of Danville
Beth Russell	North Salem Clerk-Treasurer	Town of North Salem
Doug Schnarr	Stilesville Town Marshal	Town of Stilesville
Dan Slattery	Clayton Town Manager	Town of Clayton
Dustin Strahl	Amo Fire Department	Town of Amo
Sean Stoops	Avon Police Department	Town of Avon
Jay Thompson	Pittsboro Town Council	Town of Pittsboro
Ronald Travelsted	Amo Town Council	Town of Amo
Bob Uhrick	Lizton Town Council	Town of Lizton
Tim Williams	Coatesville Fire Department/Town Marshal	Town of Coatesville
Bill Zeunik	Pittsboro Fire Department	Town of Pittsboro

Others Present:

Heather Buck, CBBEL

1. Welcome and Introductions

To begin, Director Mason thanked everyone for attending the meeting and asked those present to introduce themselves.

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 Hendricks County.

3. Hazard Risk Assessment:

a) Review Hazard Data

During each session, the Committee reviewed the hazards to be studied as determined by Hendricks 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 2009 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 Hendricks 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. An afternoon session will be held to review the listing of the potential mitigation measures and provide a ranking of High, Moderate, or Low.

Hendricks County Multi-Hazard Mitigation Plan Update
Project Team Meeting

Hendricks County Government Building
1900 E Main Street
Danville IN 46122

August 31, 2020

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

Hendricks County Multi-Hazard Mitigation Plan Update
Project Team Meeting

Hendricks County Government Building
1900 E Main Street
Danville IN 46122

August 31, 2020

1:00 pm

SUMMARY

Project Team Members Present:

Name	Office	Representing
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Ryan Cannon	Avon Town Manager	Town of Avon
Polly Carter	Stilesville Clerk-Treasurer	Town of Stilesville
Aaron Clapp	Jamestown Town Council	Town of Jamestown
Brett Clark	Sheriff Department	Hendricks County
Steve Cook	Communications Department	Hendricks County
Jeff Corder	Health Department	Hendricks County
Tonya Cottrell	Floodplain Administrator	Hendricks County
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Jim Hilton	Danville Police Department	Town of Danville
Steve Kershaw	Stilesville Fire Department	Town of Stilesville
Scott King	Pittsboro Police Department	Town of Pittsboro
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Jay Thompson	Pittsboro Town Council	Town of Pittsboro
Ronald Travelsted	Amo Town Council	Town of Amo
Bob Uhrick	Lizton Town Council	Town of Lizton
Tim Williams	Coatesville Fire Department/Town Marshal	Town of Coatesville
Bill Zeunik	Pittsboro Fire Department	Town of Pittsboro

Others Present:

Heather Buck, CBBEL

1. Welcome and Introductions

Heather and Director Mason 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 2009 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: January 11, 2021

Contact: Dawn Mason, Hendricks County Emergency Management Agency (317.745.9229)

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

Danville, IN (January 11, 2021) – Hendricks County, in cooperation with Amo, Avon, Brownsburg, Clayton, Coatesville, Danville, Jamestown, Lizton, North Salem, Pittsboro, Plainfield, and Stilesville have prepared an update to the 2009 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 State 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 Hendricks County MHMP Update may be accessed at <https://www.co.hendricks.in.us/> 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 Friday, January 20, 2021. Please submit comments to Dawn Mason at 317.745.9229 or dmason@co.hendricks.in.us

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Hendricks County Multi-Hazard Mitigation Plan 5-Year Update



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

**The 20201 Hendricks
County MHMP Update**

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

**Your time and efforts are
appreciated!**

The Hendricks County Multi-Hazard Mitigation Plan (MHMP) Update is a multi-jurisdictional planning effort led by the Hendricks County Emergency Management Office. The previous MHMP, adopted in 2009 was the necessary first step of a multi-step process to implement programs, policies, and projects to mitigate the effect of hazards in Hendricks 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 Hendricks 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
<https://www.co.hendricks.in.us/>**

Comments will be accepted through January 20, 2021.

**Any comments or questions should be directed to Dawn Mason at
317.745.9229 or dmmason@hendricksco.in.us**

APPENDIX 4: CRITICAL INFRASTRUCTURE BY COMMUNITY

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Map ID	Airport	Community
1	Gordon Graham Field	Danville

Map ID	Assisted Living Facility	Community
2	EMA	Avon
3	Brooke Knoll Village	Brownsburg
4	Brownsburg Meadows Assisted Living	Brownsburg
5	Brownsburg Meadows Nursing Home	Avon
6	Countryside Meadows	Danville
7	HENDRICKS COUNTY HOME	Danville
8	IVY TRACE ASSISTED LIVING	Avon
9	KINGSWAY COMMUNITY CARE CENTER	Hendricks County
10	Manor Care Health Services - Prestwick	Plainfield
11	Plainfield Health Care Center	Plainfield
12	Roland Manor	Plainfield
13	Sugar Grove Senior Living	Hendricks County
14	The Hearth at Prestwick	Avon
15	Traditions at Reagan Park	Hendricks County

Map ID	Child Care Center	Community
22	Hendricks Resource Center	Danville
16	ABC's & 123's Learning Center	Avon
17	Brownsburg Early Childhood Center	Brownsburg
18	Buttons & Bows At Beechwood	Avon
19	Children Of America	Avon
20	Childtime	Avon
21	Cradles To Crayons	Danville
23	Imagination Station	Hendricks County
24	Kidz Korner (k&k Daycare LLC)	Brownsburg
25	Lapetite Academy	Avon
26	Main Street University 4 Kidz	Brownsburg
27	Rainbow Child Care Center	Brownsburg
28	Rainbow Child Care Center	Plainfield
29	Teddy Bear Day Care, Inc	Brownsburg
30	The Children's Courtyard, Inc	Brownsburg
31	The Goddard School	Brownsburg

Map ID	Community Center	Community
32	Community Building	Danville
33	SCOUT COMMUNITY BUILDING	Pittsboro
34	The Well Community Center	Brownsburg

Map ID	Dams	Community
46	Prock Lake Dam	Hendricks County
35	Avon Town Hall Lake Dam	Avon

Map ID	Dams	Community
36	Beck Lake Dam	Hendricks County
37	Cox Dam	Hendricks County
38	Danville Conservation Club Dam	Danville
39	Duncan Lake Dam	Avon
40	Forest Lake Dam	Hendricks County
41	Je-To Lake Dam	Hendricks County
42	Lakewood Estates Dam	Hendricks County
43	Lewis Lake Dam	Hendricks County
44	Pine Way Lake	Hendricks County
45	Prestwick Lake Dam	Hendricks County
47	Stout Lake Dam	Hendricks County
48	Wexford Homeowners Lake Dam	Danville

Map ID	Emergency Management	Community
49	Hendricks County EMA	Danville

Map ID	Fire Station	Community
50	Avon FD HQ	Avon
51	Avon FD Station 141	Avon
52	Avon FD Station 143	Hendricks County
53	Brownsburg Fire Sta. 131	Brownsburg
54	Brownsburg Fire Sta. 133	Hendricks County
55	Brownsburg Fire Territory	Brownsburg
56	Coatesville Fire	Coatesville
57	Danville	Danville
58	Danville, Sta. 192	Danville
59	Eel River	North Salem
60	Hazelwood Fire Department	Hendricks County
61	Liberty Twp	Clayton
62	Lizton Union Twp	Lizton
63	Mill Creek Fire District	Amo
64	Pittsboro FD HQ & Station 111	Pittsboro
65	Plainfield FD HQ & Station 122	Plainfield
66	Plainfield Station 121	Plainfield
67	Plainfield Station 123	Plainfield
68	Stilesville FD	Stilesville

Map ID	Jail	Community
69	Heritage Trails Correctional Facility	Town of Brook
70	Plainfield Correctional Facility	Town of Goodland

Map ID	Large Gathering Places	Community
71	Arbuckle Park	Brownsburg
73	Hummel Park	Plainfield

Map ID	Large Gathering Places	Community
72	Hendricks County Fairgrounds	Danville
74	Lucas Oil Raceway	Brownsburg

Map ID	Law Enforcement	Community
75	Amo	Amo
76	Avon	Avon
77	Brownsburg	Brownsburg
78	Brownsburg PD Training Facility	Brownsburg
79	Brownsburg Schools PD	Brownsburg
80	Clayton	Clayton
81	Coatesville	Coatesville
82	County Coroner	Danville
83	Danville	Danville
84	Lizton	Lizton
85	North Salem	North Salem
86	Pittsboro	Pittsboro
87	Plainfield	Plainfield
88	Sherriff's Office	Danville
89	Stilesville	Stilesville

Map ID	Library	Community
90	Avon-Washington Township Public Library	Avon
91	Brownsburg Public Library	Brownsburg
92	Clayton-Liberty Township Library	Clayton
93	Coatesville Public Library	Coatesville
94	Danville Public Library	Danville
95	Plainfield-Guilford Township Public Library	Plainfield

Map ID	Medical Facility	Community
104	Damar Services - Camby Rd	Hendricks County
127	Residential CRF	Danville
96	ANIMAL HOSPITAL	Avon
97	Avon Health and Rehab Center	Hendricks County
98	AVON MEDICAL CENTER	Hendricks County
99	AVON STATION MEDICAL CENTER	Avon
100	Brownsburg Davita Dialysis	Brownsburg
101	Brownsburg Health Care Center	Brownsburg
102	Changes Home Health Care	Avon
103	Damar Services - Bradford	Hendricks County
105	Damar Services - Main St	Plainfield
106	Danville Regional Rehab	Danville
107	Emotion Recovery Care	Danville
108	Family Medicine	Brownsburg
109	Franciscan Health Center	Plainfield
110	Fresenius Medical Care	Danville

Map ID	Medical Facility	Community
111	Genoa Healthcare	Avon
112	Great Lakes Caring Home Health and Hospice	Plainfield
113	Heart to Heart Hospice of Indianapolis	Danville
114	Hendricks County Health Department	Danville
115	Hendricks Regional Health	Plainfield
116	Hendricks Regional Health	Danville
117	Hendricks Regional Health	Brownsburg
118	Home Health Care Solutions LLC	Hendricks County
119	IMMEDIATE CARE	Avon
120	Indiana University Health	Brownsburg
121	IU Health West Hospital	Avon
122	IU Health Urgent Care	Brownsburg
123	Kindred at Home	Hendricks County
124	Kindred Hospice	Avon
125	Life's Journey Hospice	Avon
126	Plainfield Renal Center	Hendricks County
128	Roland Manor	Brownsburg
129	ST FRANCIS PET HOSPITAL	Hendricks County
130	Sycamore Services	Danville
131	Transitional Services Sub LLC	Danville
132	Transitional Services Sub LLC	Brownsburg
133	Wellbrooke of Avon	Avon

Map ID	Military Installation	Community
134	National Guard Armory	Hendricks County

Map ID	Potable Water Treatment	Community
136	Avon Water Treatment Plant/Wc Conservancy	Avon
138	Clayton Water Treatment Plant	Hendricks County
135	Aqua Systems Water Treatment Service	Avon
137	Brownsburg Water Department	Brownsburg
139	Danville Water Works	Danville
140	Hendricks County Soil & Water Conservation	Danville
141	Pittsboro Water Plant	Hendricks County

Map ID	Power	Community
142	Air West (WVPA)	Hendricks County
143	Avon (Duke)	Plainfield
144	Avon East (Duke)	Avon
145	Belleville Substation (WVPA)	Avon
146	Brownsburg North Substation (WVPA)	Hendricks County
147	Brownsburg Substation (Duke)	Hendricks County
148	Center Valley Substation (HPC)	Brownsburg
149	Danville Substation (WVPA)	Hendricks County
150	Duke Energy	Danville

Map ID	Power	Community
151	Duke Energy Amo Substation	Plainfield
152	Duke Energy District Office	Hendricks County
154	Dynamic Bar Products (Duke)	Hendricks County
155	Montclair Substation (WVPA)	Pittsboro
156	Pittsboro 69kv Substation (Duke)	Hendricks County
157	Pittsboro West Substation (WVPA)	Hendricks County
158	Plainfield East (Duke)	Pittsboro
159	Plainfield West (Duke)	Plainfield
160	Prestwick (WVPA)	Plainfield
161	REMC	Hendricks County
162	Reno Substation (HPC)	Hendricks County
163	Stilesville (HPC)	Hendricks County
164	Tilden Substation - (HPC)	Hendricks County

Map ID	School	Community
175	Brownsburg West Middle School	Brownsburg
174	Brownsburg East Middle School	Brownsburg
188	Lincoln Elementary School	Brownsburg
165	Avon High School	Avon
166	Avon Intermediate School East	Avon
167	Avon Intermediate School West	Avon
168	Avon Middle School North	Avon
169	Avon Middle School South	Avon
170	Bethseda Christian SCHOOLS	Hendricks County
171	Brentwood Elementary School	Plainfield
172	Brown Elementary School	Brownsburg
173	Brownsburg High School	Brownsburg
176	Cascade High School	Hendricks County
177	Cascade Middle School	Hendricks County
178	Cedar Elementary School	Avon
179	Central Elementary School	Plainfield
180	Clarks Creek School & Little Quakers Preschool	Plainfield
181	Danville Community High School	Danville
182	Danville Middle School	Danville
183	Delaware Trail Elementary & Cardinal Elementary	Brownsburg
184	Eagle Elementary School	Brownsburg
185	Harris Academy	Brownsburg
186	Hickory Elementary School	Avon
187	Kingsway Christian School	Avon
189	Mill Creek East Elementary School	Clayton
190	Mill Creek West Elementary School	Amo
191	North Elementary School	Danville
192	North Salem Elementary School	Hendricks County
193	Our Shepard Lutheran School	Avon
194	Pine Tree Elementary School	Avon
195	Pittsboro Elementary School	Pittsboro
196	Pittsboro Primary School	Pittsboro

Map ID	School	Community
197	Plainfield Christian School	Plainfield
198	Plainfield High School	Plainfield
199	Plainfield Middle School	Plainfield
200	Reagan Elementary School	Brownsburg
201	River Birch Elementary School	Avon
202	South Elementary School	Danville
203	St Suzanna School	Plainfield
204	St. Malachy Catholic School	Hendricks County
205	Sycamore Elementary School	Avon
206	Tri-West High School	Lizton
207	Tri-West Middle School	Lizton
208	Van Buren Elementary School	Plainfield
209	White Lick Elementary School	Brownsburg
210	White Oak & Maple Elementary School	Avon

Map ID	Shelter	Community
216	Connection Pointe Christian Church of Brownsburg	Brownsburg
211	Avon Fire Department	Avon
212	Avon High School	Avon
213	Avon Intermediate School West	Avon
214	Avon Middle School North	Avon
215	Brownsburg Fire HQ	Brownsburg
217	Danville Community High School	Danville
218	Danville Fire Department	Danville
219	Danville Middle School	Danville
220	Lizton-Union Twp. Fire Dept	Lizton
221	Pittsboro Police Station	Pittsboro
222	Plainfield Christian Church	Plainfield
223	Plainfield United Methodist Church (PUMC)	Plainfield
224	Tri-West High School	Lizton
225	Tri-West Middle School	Lizton
226	Washington Twp/Avon	Avon

Map ID	Tier II Facility	Community
286	IN DOT Plainfield Unit	Plainfield
309	Milestone Contractors Limited Partnership	Hendricks County
227	1100 Whitaker Rd (1611)	Plainfield
228	1101 Whitaker Rd (1612)	Plainfield
229	1251 South Perry Rd (1624)	Plainfield
230	1251 South Perry Rd (1624)	Plainfield
231	1631 Opus Dr (1618)	Plainfield
232	2425 E Perry Rd (1619)	Plainfield
233	2450 Stanley Rd (1623)	Plainfield
234	281 Airtech Pkwy (1620)	Plainfield
235	3870 S. Ronald Reagan Parkway (1602)	Plainfield
236	816231-CROWN CASTLE-Westwood	Avon

Map ID	Tier II Facility	Community
237	ADESA Indianapolis	Plainfield
238	AEL Span LLC	Plainfield
239	Amazon.com Services, Inc. (IND2-3)	Plainfield
240	Amazon.com Services, Inc. (IND5)	Plainfield
241	AMERICAN LEGION IN - USID42541	Hendricks County
242	Americas Distribution Center	Plainfield
243	Amerigas Propane LP	Danville
244	Avon South Substation	Avon
245	Becton Dickinson & Company Distribution Center	Plainfield
246	Belkin	Plainfield
247	BROWNSBURG - N29152	Brownsburg
248	BROWNSBURG - USID83579	Pittsboro
249	Brownsburg Hospital	Brownsburg
250	Brownsburg Substation	Brownsburg
251	Buckeye Terminals LLC, Indianapolis	Brownsburg
252	Buckeye Terminals Raceway	Brownsburg
253	C. F. Roark Welding & Engineering Co., Inc.	Brownsburg
254	CFC	Hendricks County
255	Communications Corporation	Clayton
256	Conservation Management Department	Plainfield
257	Copper and Brass Sales - Indianapolis	Brownsburg
258	Crown Lift Trucks - Indianapolis	Plainfield
259	CSX Intermodal Terminals, Inc.	Avon
260	CSX Transportation Incorporated	Avon
261	Danville	Hendricks County
262	DANVILLE CO- N29147	Danville
263	Danville Hospital	Danville
264	Dick's Sporting Goods Plainfield DC	Plainfield
265	Electronic Recyclers International Indiana Inc	Plainfield
266	Enterprise Indianapolis Terminal	Brownsburg
267	Epson America Incorporated	Plainfield
268	Expeditors International Plainfield	Plainfield
269	Fagerdala Packaging Incorporated	Plainfield
270	FedEx Supply Chain	Plainfield
271	FedEx Supply Chain Stryker	Plainfield
272	Firestone Building Products	Plainfield
273	Gilchrist & Soames	Plainfield
274	Griot's Garage, Inc. Distribution Center	Plainfield
275	Hardin Pork	Hendricks County
276	Hare Honda	Avon
277	Harlan Bakeries	Avon
278	Hendricks County Airport	Danville
279	Hendricks County Junction	Hendricks County
280	Hendricks Power	Hendricks County
281	Hendricks Regional Health YMCA	Avon
282	Heritage Trail Correctional Facility	Plainfield
283	Home Goods Distribution Center	Brownsburg
284	IGC Tallgrass Purchase Point	Hendricks County

Map ID	Tier II Facility	Community
285	IN DOT Lizton Unit	Hendricks County
287	IN0026 - MONROVIA MW - USID83601	Hendricks County
288	IN-50156_Charter Communications, INDP05 (Avon)	Avon
289	Indianapolis HVC	Plainfield
290	Indianapolis, KLEMM	Brownsburg
291	Jacobson Warehouse Company	Plainfield
292	Johnson & Johnson Indianapolis	Hendricks County
293	Kohl's Department Stores - EFC5	Plainfield
294	Lastec Incorporated	Hendricks County
295	LOWE'S OF AVON 1135, IN	Avon
296	LOWE'S OF BROWNSBURG 2681, IN	Brownsburg
297	LSC Communications	Plainfield
298	Magnum Logistics	Plainfield
299	Maplehurst Bakeries Incorporated	Brownsburg
300	Matheson - Pittsboro	Pittsboro
301	MD Logistics, Inc.	Plainfield
302	MD Logistics, Inc.	Plainfield
303	MD Logistics, Inc.	Plainfield
304	Medline Industries - B26	Plainfield
305	MEIJER STORE #133	Avon
306	MEIJER STORE #204	Hendricks County
307	MEIJER STORE #256	Plainfield
308	Meritor Heavy Vehicle Systems LLC	Plainfield
310	MMC	Plainfield
311	Nellcor Puritan Bennett LLC	Plainfield
312	New Winchester	Hendricks County
313	Niagara Bottling LLC	Plainfield
314	Nice Pak Products Incorporated	Plainfield
315	NSK CORPORATION PLAINFIELD DISTRIBUTION CENTER	Plainfield
316	Nutrien Ag Solutions 563	North Salem
317	Ozark Automotive Distributors DC 13	Brownsburg
318	Pelican Biothermal Indianapolis Service Center	Plainfield
319	Phoenix Fabricators & Erectors LLC	Avon
320	Pittsboro Town Substation	Hendricks County
321	Plainfield Corporate Office	Plainfield
322	PLAINFIELD CORRECTIONAL FACILITY	Plainfield
323	Plainfield Distribution Center	Plainfield
324	Plainfield East Substation	Plainfield
325	PLAINFIELD ESS - N29157	Plainfield
326	Plainfield West Substation	Plainfield
327	Propane Incorporated	Hendricks County
328	Reverse Logistics Center #8615	Plainfield
329	Roche-Kuehne+Nagel	Plainfield
330	RR 323 Danville	Hendricks County
331	RR Donnelley	Plainfield
332	RR Engine	Plainfield
333	Saint Gobain Abrasives	Plainfield

Map ID	Tier II Facility	Community
334	Schuetz Container Systems Incorporated	Plainfield
335	Schwan's Home Service, Inc.	Danville
336	Shelby Gravel Incorporated	Brownsburg
337	Speedway 3338	Plainfield
338	Speedway 4018	Brownsburg
339	Speedway 5390	Brownsburg
340	Speedway 5514	Plainfield
341	Speedway 6023	Plainfield
342	Speedway 6125	Avon
343	Speedway 6384	Danville
344	Speedway 8030	Avon
345	Speedway 8101	Plainfield
346	TA Clayton	Hendricks County
347	Target Store T-1788	Avon
348	Tempur Sealy Int	Plainfield
349	Thorntons #141	Plainfield
350	Trojan Battery Sales, LLC	Plainfield
351	U.S. Oil Indianapolis Terminal	Brownsburg
352	United Parcel Service Plainfield	Plainfield
353	Veritiv Operating Company - Plainfield (IN183)	Plainfield
354	Village Pantry #5612	Brownsburg
355	Village Pantry #5623	Plainfield
356	Winfield United - Plainfield	Plainfield
357	WM.COM Fulfillment Center 6280	Plainfield
358	WSU Union Mills	Hendricks County
359	XPO Logistics Freight - XIN	Plainfield

Map ID	Transportation	Community
360	Big Four Railroad Yard	Avon

Map ID	Wastewater Treatment Plant	Community
366	Lizton Wastewater Treatment Plant	Lizton
368	Pittsboro Municipal Sewer Treatment Plant	Pittsboro
365	Danville Municipal Sewer Treatment Plant	Danville
361	Amo Coatesville Sewer Conservancy	Hendricks County
362	Avon Wastewater Treatment	Avon
363	Belleville Conservancy District	Hendricks County
364	Brownsburg Municipal Sewer Treatment Plant	Brownsburg
367	North Salem Sewer Treatment Plant	Hendricks County
369	Plainfield Municipal Sewer Treatment Plant	Hendricks County
226	Washington Twp/Avon	Lizton

Map ID	Water Tower	Community
370	Brownsburg (700 N)	Brownsburg
371	Brownsburg (Odell)	Brownsburg

Map ID	Water Tower	Community
372	Danville	Danville
373	Lizton	Lizton
374	North Salem	North Salem
375	Plainfield (Clarks Creek Road)	Plainfield
376	Plainfield (N Carr Road)	Plainfield
377	Plainfield (Ronald Reagan Parkway)	Plainfield

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

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Stream Gage Location	
Site Number	Site Name
03353415	School Branch at Maloney Road near Brownsburg
03353420	School Branch at CR 750N near Brownsburg
03353430	School Branch at Noble Drive at Brownsburg, IN
03353670	White Lick Creek near Brownsburg
03353700	West Fork White Lick Creek at Danville, IN

Major Waterways		
Abner Creek	George Creek	National Creek
Army Branch	Guilford Branch	North Creek
Avon Creek	Hendricks Creek	Penns Run
Beaman Ditch	Higgins Ditch	Plum Creek
Big Walnut Creek	Hogan Ditch	Pound Ditch
Black Creek	Hook Creek	Pump Run
Bluff Creek	Hughes Branch	Quinn Ditch
Bridge Creek	Hunt Creek	Rail Run
Brown Ditch	Keeney Ditch	Ramp Run
Camby Creek	Klondike Creek	Reel Creek
Center Creek	Lake Forest Creek	Rock Creek
Clarks Creek	Leg Creek	Rogers Creek
Clermont Creek	Lilly Creek	Ross Ditch
Comb Run Ditch	Lincoln Creek	Salem Creek
Cosner Branch	Little Raccoon Creek	Sallust Branch
Cox Ditch	Log Run	Sawmill Run
Crest Branch	Luck Creek	School Branch
Crittenden Creek	March Creek	Shiloh Creek
Dead Run	Marihen Creek	Sinker Creek
DeLong Creek	Mario Creek	Tansel Branch
Eads Ditch	Martin Dugan Ditch	Thompson Creek
Eagle Crest Creek	McCracken Creek	Tucker Ditch
East Fork Big Walnut Creek	Middle Creek	West Fork Hendricks Creek
East Fork Mill Creek	Middle Fork Big Walnut Creek	West Fork White Lick Creek
East Fork White Lick Creek	Mill Creek	West Fork White Lick Creek
Etter Ditch	Mill Creek Ditch	Westwood Branch
Fair Creek	Miller Creek	White Lick Creek
Fishback Creek	Monachals Fork	Wiley Thompson Ditch
Flynn Creek	Moore Creek	Wood Branch
Friends Creek	Mud Creek	

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APPENDIX 6: NCDC HAZARD DATA

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The following data tables indicate those events that have impacted Hendricks 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 Hendricks 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	\$64.25K	\$11.50K
PLAINFIELD	7/7/2015	Flash Flood	0	0	\$1.0K	\$0.00K
PLAINFIELD	7/7/2015	Flash Flood	0	0	\$5.0K	\$0.00K
CLAYTON	7/12/2015	Flash Flood	0	0	\$2.0K	\$2.00K
DANVILLE	7/12/2015	Flash Flood	0	0	\$50.0K	\$5.00K
HADLEY	7/13/2015	Flood	0	0	\$1.0K	\$1.00K
CLAYTON	7/13/2015	Flood	0	0	\$1.0K	\$0.00K
SIX PTS	12/27/2015	Flood	0	0	\$0.25K	\$0.00K
SPEEDWAY ARPT	6/15/2016	Flood	0	0	\$0.50K	\$0.50K
DANVILLE	6/23/2017	Flood	0	0	\$0.50K	\$0.50K
PLAINFIELD	7/11/2017	Flash Flood	0	0	\$1.0K	\$0.00K
BROWNSBURG	4/3/2018	Flash Flood	0	0	\$1.0K	\$0.50K
BROWNSBURG	5/30/2019	Flood	0	0	\$0K	\$2.00K
PLAINFIELD	6/15/2019	Flood	0	0	\$1.0K	\$0.00K
Totals:			0	0	\$64.25K	\$11.50K

<u>Location</u>	<u>Date</u>	<u>Type</u>	<u>Death</u>	<u>Injury</u>	<u>PrD</u>	<u>CrD</u>
Totals:			1	3	\$243.95K	\$0.0K
MONTCLAIR	6/18/2015	Thunderstorm Wind	0	0	\$3.0K	\$0.00K
AMO	6/21/2015	Thunderstorm Wind	0	0	\$1.50K	\$0.00K
CENTER VLY	7/13/2015	Thunderstorm Wind	0	0	\$0.2K	\$0.00K
BROWNSBURG	7/17/2015	Thunderstorm Wind	0	0	\$8.0K	\$0.00K
CLAYTON	12/23/2015	Thunderstorm Wind	0	0	\$3.0K	\$0.00K
CLAYTON	5/1/2016	Thunderstorm Wind	0	0	\$4.0K	\$0.00K
BROWNSBURG	5/11/2016	Thunderstorm Wind	0	0	\$1.0K	\$0.00K
TILDEN	7/13/2016	Thunderstorm Wind	0	0	\$1.5K	\$0.00K

<u>Location</u>	<u>Date</u>	<u>Type</u>	<u>Death</u>	<u>Injury</u>	<u>PrD</u>	<u>CrD</u>
STILESVILLE	7/13/2016	Thunderstorm Wind	0	0	\$4.0K	\$0.00K
SIX PTS	3/30/2017	Thunderstorm Wind	0	0	\$0.5K	\$0.00K
CENTER VLY	5/10/2017	Thunderstorm Wind	0	0	\$12.0K	\$0.00K
PITTSBORO	5/26/2017	Thunderstorm Wind	0	0	\$20.0K	\$0.00K
AVON	6/14/2017	Thunderstorm Wind	0	0	\$17.0K	\$0.00K
HADLEY	6/10/2018	Thunderstorm Wind	0	0	\$6.0K	\$0.00K
CLAYTON	6/10/2018	Thunderstorm Wind	0	0	\$0.25K	\$0.00K
DANVILLE	6/10/2018	Thunderstorm Wind	0	0	\$1.0K	\$0.00K
AVON	6/10/2018	Thunderstorm Wind	0	0	\$0.5K	\$0.00K
PITTSBORO	5/19/2019	Thunderstorm Wind	0	0	\$1.0K	\$0.00K
COATESVILLE	6/15/2019	Thunderstorm Wind	0	0	\$1.0K	\$0.00K
MAGNETIC SPGS	6/23/2019	Thunderstorm Wind	0	0	\$1.0K	\$0.00K
SPEEDWAY ARPT	8/18/2019	Thunderstorm Wind	0	0	\$1.0K	\$0.00K
SPEEDWAY ARPT	8/18/2019	Thunderstorm Wind	0	0	\$1.0K	\$0.00K
DANVILLE	8/20/2019	Thunderstorm Wind	0	0	\$10.0K	\$0.00K
WESTWOOD	8/20/2019	Thunderstorm Wind	0	0	\$5.0K	\$0.00K
DANVILLE	4/8/2020	Thunderstorm Wind	0	0	\$50.0K	\$0.00K
SIX PTS	4/8/2020	Thunderstorm Wind	0	0	\$2.0K	\$0.00K
SIX PTS	5/24/2020	Thunderstorm Wind	0	0	\$2.0K	\$0.00K
PITTSBORO	7/7/2020	Thunderstorm Wind	0	0	\$0.5K	\$0.00K
TILDEN	7/27/2020	Thunderstorm Wind	1	3	\$50.0K	\$0.00K
RAINTOWN	8/10/2020	Thunderstorm Wind	0	0	\$1.0K	\$0.00K
PITTSBORO	8/10/2020	Thunderstorm Wind	0	0	\$1.0K	\$0.00K
PITTSBORO	8/10/2020	Thunderstorm Wind	0	0	\$2.0K	\$0.00K
BROWNSBURG	8/10/2020	Thunderstorm Wind	0	0	\$15.0K	\$0.00K
BROWNSBURG	8/10/2020	Thunderstorm Wind	0	0	\$1.0K	\$0.00K
AVON	8/10/2020	Thunderstorm Wind	0	0	\$10.0K	\$0.00K
PLAINFIELD	8/10/2020	Thunderstorm Wind	0	0	\$1.0K	\$0.00K
PLAINFIELD	8/10/2020	Thunderstorm Wind	0	0	\$1.0K	\$0.00K
PLAINFIELD	8/10/2020	Thunderstorm Wind	0	0	\$5.0K	\$0.00K
Totals:			1	3	\$243.95K	\$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	\$35.0K	\$0.0K
CLAYTON	8/5/2016	Tornado – EF1	0	0	\$1.0K	\$0.00K
BROWNSBURG	8/5/2016	Tornado – EF1	0	0	\$5.0K	\$0.00K
AVON	8/5/2016	Tornado – EF1	0	0	\$2.0K	\$2.00K
BROWNSBURG	8/5/2016	Tornado – EF0	0	0	\$50.0K	\$5.00K
Totals:			0	0	\$35.0K	\$0.0K

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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>

Pre-Disaster Mitigation Program

The Pre-Disaster Mitigation (PDM) program provides technical and financial assistance to States and local governments for cost-effective pre-disaster hazard mitigation activities that complement a comprehensive mitigation program, and reduce injuries, loss of life, and damage and destruction of property. FEMA provides grants to States and Federally recognized Indian tribal governments that, in turn, provide sub-grants to local governments (to include Indian Tribal governments) for mitigation activities such as planning and the implementation of projects identified through the evaluation of natural hazards.

Previous Activities Funded: Acquisition and/or relocation of flood-prone properties, Drainage/stormwater management projects, and hazard mitigation planning activities.

<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/>

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; 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; 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; 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; 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; 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; 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
Hendricks County	2006	Hendricks County MHMP – 2009 and 2020 serve as a multi-jurisdictional approach to emergency planning.	Hendricks County Economic Development Commission	
Town of Amo	2006 <i>(with County)</i>			
Town of Avon	2017			
Town of Brownsburg	2019			School Branch WMP
Town of Clayton	2006 <i>(with County)</i>			
Town of Coatesville	2006 <i>(with County)</i>			
Town of Danville				
Town of Jamestown	2017			
Town of Lizton				
Town of North Salem	2006 <i>(with County)</i>			
Town of Pittsboro	2014			
Town of Plainfield	2016			
Town of Stilesville	2006 <i>(with County)</i>			

Ordinances	Zoning Ordinance	Subdivision Control Ordinance	Stormwater Ordinance	Burning Ordinance	Water Conservation Ordinance
Hendricks County					
Town of Amo					
Town of Avon					
Town of Brownsburg					
Town of Clayton					
Town of Coatesville					
Town of Danville					
Town of Jamestown					
Town of Lizton					
Town of North Salem					
Town of Pittsboro					
Town of Plainfield					
Town of Stilesville					

Programs	NFIP	CRS	Tree City	Storm Ready	Mutual Aid Agreements
Hendricks County	180415#	Yes - 7	No	Yes	Yes Fire, Police, EMS
Town of Amo	180530#	No	No	Yes	
Town of Avon	180520#	No	Yes	Yes	
Town of Brownsburg	180087#	No	Yes	Yes	
Town of Clayton		No	No	Yes	
Town of Coatesville	180531#	No	No	Yes	
Town of Danville	180088#	No	No	Yes	
Town of Jamestown		No	No	Yes	
Town of Lizton	Sanction (9/25/10)	No	No	Yes	
Town of North Salem	180374#	No	No	Yes	
Town of Pittsboro	Sanction (9/25/10)	No	No	Yes	
Town of Plainfield	180089#	No	No	Yes	
Town of Stilesville	180532#	No	No	Yes	

Studies/Maps	FIRMs	Evacuation Routes	Vulnerable Populations	At-Risk Structures	River Basin Partnership
Hendricks County	09/25/09				
Town of Amo	09/25/09(M)				
Town of Avon	09/25/09				
Town of Brownsburg	09/25/09				
Town of Clayton					
Town of Coatesville	NSFHA				
Town of Danville	09/25/09				
Town of Jamestown					
Town of Lizton					
Town of North Salem	09/25/09(M)				
Town of Pittsboro					
Town of Plainfield	09/25/09				
Town of Stilesville	09/25/09(M)				

Staffing	Building/ Planning	GIS	Engineer / Surveyor	Street/ Highway	Floodplain Admin
Hendricks County	Timothy Dombrosky, Planning Director		Dave Gaston, County Surveyor	Curt Higginbotham, Highway Superintendent	Tonya Cottrell
Town of Amo	<i>Hendricks County</i>			Maintenance Department	Tonya Cottrell
Town of Avon	Michael Tulli, Building Commissioner				Michael Tulli
Town of Brownsburg					Shawn Pabst
Town of Clayton	Dan Slattery, Town Inspector				
Town of Coatesville	<i>Hendricks County</i>				Tonya Cottrell
Town of Danville	Lesa Ternet, Town Planner	Beacon GIS		Ray Whitaker, Public Works Superintendent	Barry Lofton
Town of Jamestown	GRW, Inc.				
Town of Lizton	Dan Lake, Zoning Administrator		Triad & Associates	Eric Mohr, Maintenance Superintendent	
Town of North Salem	<i>Hendricks County</i>			Mark Basham, Street Superintendent	Tonya Cottrell
Town of Pittsboro	Steve Maple, Building Commissioner				
Town of Plainfield	Kevin Whaley, Planning Director		Tim Belcher, Director of Development	Jason Castetter, Public Works Director	Tim Belcher
Town of Stilesville	<i>Hendricks County</i>				Tonya Cottrell

APPENDIX 10: IMPLEMENTATION CHECKLIST

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Mitigation Practice	Hazard Addressed	Status	Priority	2025 Status
Emergency Preparedness & Warning 1. Improve disaster preparedness and emergency response at the local level through the CERT or similar program 2. Utilize a hazard broadcast system to distribute mass notifications to residents and visitors (<i>2009 Measure</i>) 3. Purchase mobile message boards to provide current hazard information (<i>2009 Measure</i>) 4. Investigate and propose an ordinance to require developers to pay to install additional sirens for new developments or pay into siren fund as part of new developments 5. Create bilingual notifications and hazard preparedness materials as well as purchase translators 6. Improve outdoor warning siren coverage or complete software upgrades to alert populations of severe weather conditions (<i>2009 Measure</i>) 7. Coordinate with private building owners utilizing large dynamic message boards for business to use during hazard events	<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"/> Dam Failure <input checked="" type="checkbox"/> HazMat Incident	Ongoing – 2. Many county residents (approx. 38K) subscribe to Everbridge 3. The county has access to mobile message boards through the District 6. Sirens provide coverage for most populated areas 7. Many private facilities throughout the county operate an electronic message board Proposed Enhancements – 1. Investigate options for CERT or similar programs, implement suitable program in prioritized areas, and provide training throughout the year. 2. Increase participation in hazard notification system 3. Purchase message boards for use in Hendricks County (Highway-2; Danville-2; Plainfield-2) 4. Propose and adopt an ordinance to have developers pay into a fund for additional outdoor warning sirens 5. Create alternate forms of printed and voiced messaging in Spanish in an attempt to reach additional residents 6. Additional sirens in unincorporated areas and software upgrades for existing sirens 7. Coordinate with facility owners who operate dynamic message boards and provide them with pre-scripted messages to use during hazard events.	<div>High <i>(CERT, mass notifications, mobile message boards, siren ordinance)</i></div> <div>Moderate <i>(bilingual notifications, siren coverage)</i></div> <div>Low <i>(private message boards)</i></div>	

MITIGATION PRACTICE	HAZARD ADDRESSED	STATUS	PRIORITY	2025 STATUS
Emergency Response & Recovery 1. Establish procedures to evacuate the population in known hazard areas <i>(2009 Measure)</i> 2. Coordinate communications, documentation, and record keeping between communities and agencies including a database of accurate and community specific information following each hazard events 3. Enhance existing mobile EOC with additional equipment <i>(2009 Measure)</i> 4. Establish secondary EOC within Hendricks County 5. Inventory and prioritize needs to strengthen water/dive/ice rescue capabilities within the county 6. Investigate reciprocal agreements between neighboring communities/counties for structural inspections following hazardous events 7. Purchase mobile sand bagging machine and equipment	<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"/> Dam Failure <input checked="" type="checkbox"/> HazMat Incident	Ongoing – 1. Evacuation procedures have been developed for hazmat incidents 2. Post-event information is provided in varying degrees 3. Mobile EOC exists 5. Some Fire Departments have personnel certified for dive and/or water rescue 6. Many communities have Mutual Aid for medical, fire, and police response efforts 7. Sand bagging efforts and plans exist in various areas Proposed Enhancement – 1. Establish procedures to evacuate areas during floods and dam failures 2. Create a more consistent reporting and documentation effort following hazard events 3. Inventory capabilities and prioritize needs to strengthen mobile EOC 4. Establish fully functional secondary EOC within the county 5. Determine countywide needs to strengthen capabilities for water/dive/ice rescues 6. Investigate ability to enter into similar agreements for activities related to structural inspections or other activities following hazard events 7. Additional equipment would make the efforts more efficient for some areas and types of events	High <i>(evacuations, recordkeeping, mobile EOC, secondary EOC)</i> Moderate <i>(water/ dive/ ice)</i> Low <i>(reciprocal agreements, sand bagging)</i>	
Building Protection 1. Prohibit development of new critical facilities in SFHA 2. Relocate, buyout, or floodproof existing non-critical facilities that are subject to repetitive flooding <i>(2009 Measure)</i> 3. Protect existing critical facilities in floodplains <i>(2009 Measure)</i> <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 checked="" type="checkbox"/> Dam Failure <input type="checkbox"/> HazMat Incident	Ongoing – 1. New facilities are prohibited in the Floodway 3. Danville WWTP, Residential CRF, Milestone Contractors Unlimited, Hummel park, Lizton WWTP, INDOT Plainfield Office, and Damar Services are located in the SFHA Proposed Enhancements – 1. Prohibit construction of new critical facilities in the 100- and 500-year floodplains 2. Develop a prioritized list of structures to be relocated, bought out, or floodproofed within each municipality 3. Determine most appropriate measures to protect critical facilities located in the SFHA	High <i>(new critical facilities, relocate)</i> Moderate <i>(protect existing critical facilities)</i>	

MITIGATION PRACTICE	HAZARD ADDRESSED	STATUS	PRIORITY	2025 STATUS
Flood Studies and Protection 1. Prepare a detailed Flood Response Plan to improve response and reduce losses from a flood event 2. Evaluate and utilize flood forecasting capabilities including stream gages, flood forecast maps, and flood alerts <i>(2009 Measure)</i> 3. Conduct detailed flood protection studies for problem areas and/or areas with repetitive flooding problems <i>(2009 Measure)</i> <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"/> Dam Failure <input type="checkbox"/> HazMat Incident	Ongoing – 1. Stream gages have been installed on School Branch, West Fork White Lick Creek and White Lick Creek 2. Studies are completed as funding becomes available Proposed Enhancements – 1. Prioritize areas in need of Flood Response Plan and develop team to prepare plan 2. Install additional stream gages on the west side of the county 3. Prioritize listing of needed studies and continue to complete as funding becomes available	High <i>(FRP)</i> Moderate <i>(flood forecasting, problem area studies)</i>	
Geographic Information Systems 1. Develop and routinely update GIS layers with location and attributes of critical facilities and known hazard areas available to individual municipalities and offices <i>(2009 Measure)</i> 2. 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 <i>(2009 Measure)</i>	<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"/> Dam Failure <input checked="" type="checkbox"/> HazMat Incident	Ongoing – 1. GIS layers have been developed and are utilized by some departments Proposed Enhancements – 1. Develop a county-wide GIS consortium to maintain and update collaborative GIS data 2. Provide training opportunities for GIS staff related to HAZUS-MH.	High <i>(update GIS)</i> Moderate <i>(HAZUS-MH)</i>	
Transportation 1. Complete transportation survey to determine typical types and quantities of chemicals being transported throughout Hendricks County 2. Require warning (flashing lights, crossing arms, rumbles trips, signage) at each intersection between rail and road to reduce the potential for train/vehicular crashes	<input type="checkbox"/> Drought <input type="checkbox"/> Earthquake <input type="checkbox"/> Extreme Temperature <input type="checkbox"/> Fire <input 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"/> Dam Failure <input checked="" type="checkbox"/> HazMat Incident	Ongoing – 2. Various types of warnings are used at most rail crossings throughout the county Proposed Enhancement – 1. Complete updated commodity flow study for Hendricks County focusing on Interstates 70 and 74, US Routes, and rail lines 2. Inventory rail crossings and determine best warning type for those without	High <i>(transportation survey)</i> Moderate <i>(warnings)</i>	
Safer Rooms and Community Shelters 1. Develop temporary and/or long-term shelter agreements within the County. Potential for tiered levels of shelters, domestic animal shelters, etc. <i>(2009 Measure)</i> 2. Clearly advertise location of safe rooms and community shelters for large gatherings of people 3. Research incentives for private buildings with approved safe rooms	<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 type="checkbox"/> Landslide/Subsidence <input checked="" type="checkbox"/> Tornado <input checked="" type="checkbox"/> Winter Storm/Ice <input checked="" type="checkbox"/> Dam Failure <input checked="" type="checkbox"/> HazMat Incident	Ongoing – 1. Shelters locations are spaced throughout the county as available and as needed Proposed Enhancement – 1. Continue to evaluate shelter locations and needs throughout the county 2. Develop education materials for large gatherings 3. Research incentives and provide to structures with approved safe rooms	High <i>(shelter agreements, advertise for large gatherings)</i> Low <i>(incentives)</i>	

MITIGATION PRACTICE	HAZARD ADDRESSED	STATUS	PRIORITY	2025 STATUS
Management of Dams 1. Review regular inspection reports and maintenance records of dams regardless of ownership 2. Encourage dam owners to develop an IEAP (2009 Measure)	<input type="checkbox"/> Drought <input type="checkbox"/> Earthquake <input type="checkbox"/> Extreme Temperature <input type="checkbox"/> Fire <input 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 checked="" type="checkbox"/> Dam Failure <input type="checkbox"/> HazMat Incident	Ongoing – 2. Je-To Lake and Prestwick Lake Dams have IEAPs drafted Proposed Enhancements – 1. Provide inspection reports and maintenance records to the EMA Director for review and overall hazard assessment 2. Develop IEAPs for remaining High Hazard dams	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"/> 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	
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"/> Dam Failure <input checked="" type="checkbox"/> HazMat Incident	Ongoing – 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	Moderate	
Water Conservation 1. Research and adopt a water conservation ordinance and contingency plans to implement during water shortages	<input checked="" type="checkbox"/> Drought <input type="checkbox"/> Earthquake <input checked="" type="checkbox"/> Extreme Temperature <input type="checkbox"/> Fire <input 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"/> Dam Failure <input type="checkbox"/> HazMat Incident	Ongoing – Proposed Enhancement – 1. Review existing ordinances, and if needed, propose water conservation ordinance	Moderate	

MITIGATION PRACTICE	HAZARD ADDRESSED	STATUS	PRIORITY	2025 STATUS
Community Rating System 1. Investigate potential to reduce flood insurance premiums through additional participation in the NFIP’s CRS Program. <i>(2009 Measure)</i> <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"/> Dam Failure <input type="checkbox"/> HazMat Incident	Ongoing – 1. Hendricks County currently participates in the CRS program at a Class 7 Proposed Enhancement – 1. Participation from Avon, Brownsburg, and Plainfield	Low	