

## **APPENDIX 1**

## **List of Acronyms**

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AEP	Annual Exceedance Probability
AHPS	Advanced Hydrologic Prediction Service
AICP	American Institute of Certified Planners
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
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
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      Committee      Meeting      Agendas      and  
Summaries**

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**Wabash County Multi-Hazard Mitigation Plan Update**  
Project Team Meeting

Wabash County EMA  
1 West Hill Street  
Wabash IN 46992

August 29, 2018

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. Critical – 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. Significant – 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 (Wabash County GIS) x # structures x replacement

25% of structures=100% damage

35% of structures=50% damage

40% of structures=25% damage

**Wabash County Multi-Hazard Mitigation Plan Update**  
Project Team Meeting

Wabash County EMA  
1 West Hill Street  
Wabash IN 46992

August 29, 2018

9:00 am

**SUMMARY**

**Project Team Members Present:**

Ryan Baker, Wabash County Sheriff's Department  
Bob Brown, Wabash County EMA  
Kipp Cantrell, City of Wabash Building Department  
Rick Dolsen, IDHS District Coordinator  
Bob Ferguson, Town of Roann  
Tyler Guenin, Wabash County Sheriff's Department  
Brian Hauper, Wabash County Commissioner  
Mike Howard, Wabash County Plan Commission  
John Martin, Wabash County Highway Department  
Janet Pattee, Town of LaFontaine  
Adam Penrod, Town of North Manchester  
Jen Rankin, Wabash County Solid Waste Management District  
Jennifer Scott, Wabash County Health Department  
Scott Siders, Town of Lagro  
Cheri Slee, Wabash County Surveyor  
Keith Walters, Wabash County EMA  
Nathan Zinn, Wabash County Fire Chief's Association

**Others Present:**

Sheila McKinley, CBBEL

**1. Welcome and Introductions**

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

**2. Approach for the MHMP Update/Meeting Purpose**

Sheila 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 NFIP and incorporated Communities within Wabash County.

**3. Hazard Risk Assessment:**

a) Review Hazard Data

During each session, the Committee reviewed the hazards to be studied as determined by Wabash County EMA and agreed that these are the hazards which

most affect the County. Sheila shared data that CBBEL had gathered from the Nation Climatic Data Center (NCDC), local media outlets, and various agencies and offices since the 2011 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**

Sheila explained that the listing of Critical Infrastructure was partly provided by the Wabash County GIS Department, 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.

## **Wabash County Multi-Hazard Mitigation Plan Update**

Project Team Meeting

Wabash County EMA  
1 West Hill Street  
Wabash IN 46992

August 29, 2018

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

## Wabash County Multi-Hazard Mitigation Plan Update

Project Team Meeting

Wabash County EMA  
1 West Hill Street  
Wabash IN 46992

August 29, 2018

1:00 pm

### SUMMARY

#### **Project Team Members Present:**

Bob Brown, Wabash County EMA  
Rick Dolsen, IDHS District Coordinator  
Kelvin Grumpp, Wabash County Surveyor's Office  
Brian Hauper, Wabash County Commissioner  
Mike Howard, Wabash County Plan Commission  
Janet Pattee, Town of LaFontaine  
Jen Rankin, Wabash County Solid Waste Management District  
Scott Siders, Town of Lagro  
Keith Walters, Wabash County EMA  
Nathan Zinn, Wabash County Fire Chief's Association

#### **Others Present:**

Sheila McKinley, CBBEL

#### **1. Welcome and Introductions**

Sheila 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 2011 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, Medium, 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:** April 25, 2019

**Contact:** Keith Walters, Wabash County Emergency Management Agency (260.563.3181)

## **Public Presentation of the Wabash County Multi-Hazard Mitigation Plan Update**

**Wabash, IN** (April 25, 2019) – Wabash County, in cooperation with LaFontaine, Lagro, North Manchester, Roann, and Wabash have prepared an update to the 2011 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 Wabash County MHMP Update may be accessed through: <https://tinyurl.com/85MHMP>

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, May 24, 2019. Please submit comments to Keith Walters at 260.563.3181 or [wabashcountyema@wabashcounty.in.gov](mailto:wabashcountyema@wabashcounty.in.gov)

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# Wabash County Multi-Hazard Mitigation Plan 5-Year Update



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

**The 2019 Wabash  
County MHMP Update**

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

**Your time and efforts are  
appreciated!**

The Wabash County Multi-Hazard Mitigation Plan (MHMP) Update is a multi-jurisdictional planning effort led by the Wabash County Emergency Management Office. The previous MHMP, adopted in 2011 was the necessary first step of a multi-step process to implement programs, policies, and projects to mitigate the effect of hazards in Wabash 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 Wabash 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://tinyurl.com/85MHMP>**

**Comments will be accepted through May 24, 2019.**

**Any comments or questions should be directed to Keith Walters at  
260.563.3181 or [wabashcountyema@wabashcounty.in.gov](mailto:wabashcountyema@wabashcounty.in.gov)**

**APPENDIX 4      Critical Infrastructure by NFIP  
Community**

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Map ID	Airport	NFIP
1	Wabash Airport	Wabash

Map ID	College	NFIP
2	Ivy Tech Community College	Wabash
3	Manchester University	North Manchester

Map ID	Dams	NFIP
4	Mississinewa Lake, Dam Miami County	Wabash County
5	Salamonie Dam	Wabash County

Map ID	Daycare	NFIP
6	Area 5 Head Start	Wabash
7	Area 5 Head Start 2	Wabash County
8	Area 5 Head Start 3	Wabash
9	Blessed Beginnings Daycare	North Manchester
10	Busy Bee Hive Daycare	North Manchester
11	County Your Blessings Daycare	Wabash
12	Dana Farmer Daycare	Wabash
13	Dani Lorenz Daycare	Wabash
14	Emmanuel Christian Daycare	Wabash
15	First Steps Daycare	Wabash
16	Grandma Copers Daycare	Wabash
17	Happy Days Pre-School	Wabash County
18	Kids Camp Daycare	North Manchester
19	Kids First Daycare	Wabash
20	Kidz Korner Daycare	Wabash
21	Kim Ritter Daycare	Wabash
22	LaFontaine Christian Church Daycare	La Fontaine
23	Little Friends Daycare	Wabash
24	Little Hands Big Hearts	Wabash
25	Manchester Early Learning Center	North Manchester
26	Presbyterian Pre-School	Wabash
27	Presbyterian Pre-School	Wabash
28	Sycamore Daycare/Preschool	North Manchester
29	Tender Hearts Daycare	Wabash County
30	TLC Daycare Center	Wabash

Map ID	Emergency Management Agency	NFIP
31	Wabash County Emergency Management	Wabash

Map ID	Fire Station	NFIP
32	Chester Township Fire Station	Wabash County
33	Lagro Fire Station	Lagro
34	Liberty Township Fire Dept.	La Fontaine
35	Lincolntown Fire Station	Wabash County
36	Noble North Fire Station	Wabash County
37	Noble South Fire Station	Wabash County
38	North Manchester Fire Station	North Manchester

Map ID	Fire Station	NFIP
39	Pleasant Township Fire Station	Wabash County
40	Roann Fire Station	Roann
41	Urbana Fire Station	Wabash County
42	Wabash North Fire Station	Wabash
43	Wabash South Fire Station	Wabash

Map ID	Government	NFIP
44	County Highway Dept	Wabash
45	Courthouse	Wabash
46	Health Dept.	Wabash
47	Judicial Center	Wabash
48	Lafontaine Town Hall	La Fontaine
49	Lagro Town Hall	Lagro
50	N Manchester City Hall	North Manchester
51	NRCS/SWCD Service Center	Wabash
52	Roann Town Hall	Roann
53	Somerset Town Hall	Wabash County
54	State Highway Dept	Wabash
55	USDA FDA Office	Wabash
56	Wabash City Hall	Wabash
57	Wabash St Dept	Wabash

Map ID	Group Home	NFIP
58	Arc of Wabash County	Wabash
59	AWS Home	Wabash County
60	AWS Home 2	Wabash County
61	Carey Services	Wabash
62	Carey Services 2	Wabash
63	Pathfinder Home	Wabash
64	Pathfinder Home 2	Wabash
65	Pathfinder Home 3	Wabash

Map ID	Hazardous Materials Handler	NFIP
66	Alumitech of Wabash Inc.	Wabash
67	AT&T Interstate	North Manchester
68	Austin Powder	Wabash County
69	BKB Manufacturing Inc	Wabash County
70	Blue Flame L.P. Gas	Wabash County
71	Bulldog Battery Corp	Wabash
72	Case Power & Equipment	Wabash
73	Cinergy PSI	Wabash
74	Cinergy PSI Wabash District	Wabash
75	Dexter Axle Co.	Wabash County
76	Ferrellgas D.B.A. Thermogas	Wabash County
77	Ford Meter Box Co.	Wabash
78	G&S Metal Consultants	Wabash
79	Gaunt & Son Asphalt Inc	Wabash County
80	Hayes Lemmerz International Wabash	Wabash

Map ID	Hazardous Materials Handler	NFIP
81	Hipsher Tool & Die	Wabash County
82	Indiana Bell Telephone Company	Lagro
83	Indiana-American Water Co.	Wabash County
84	Indiana-American Water Co.	Wabash County
85	Indiana-American Water Co.	Wabash
86	Indiana-American Water Co.	Wabash County
87	J.M. Reynolds Oil Co.	Wabash
88	Kova Ag Products Inc	Wabash County
89	Lafontaine Water Co	La Fontaine
90	Lafontaine WWTP	La Fontaine
91	Laketon Refining Corp.	Wabash County
92	Manchester Metals LLC	North Manchester
93	Manchester Tool & Die Inc	Wabash County
94	North Central Co-Op	Wabash County
95	North Central Co-Op	North Manchester
96	North Central Co-Op	Roann
97	North Central Co-Op	Wabash County
98	North Central Co-Op	Wabash County
99	North Central Co-Op	Wabash
100	Precision Battery Fabrications	Wabash
101	Royster-Clark Inc. 982	Wabash County
102	Schwan's Home Service Inc.	Wabash County
103	Smurfit Stone Container Corp.	Wabash
104	Speedway #1305	Wabash
105	Sprint Communications Co LP	Roann
106	Strauss Veal Feeds Inc.	North Manchester
107	Swift Station # 162	Wabash
108	The Andersons North Manchester Farm	Wabash County
109	Thermafiber Inc	Wabash County
110	Town of North Manchester	North Manchester
111	UAP/Richter -Cropmate	Wabash County
112	Verizon - North Manchester	North Manchester
113	Verizon - Wabash Co.	Wabash
114	Wabash Alloys L.L.C.	Wabash
115	Wabash Magnetics	Wabash
116	Wabash Materials Inc	Wabash
117	Wabash Plain Dealer	Wabash
118	Wabash Valley Hauling Company	Wabash County
119	Wabash Valley Landfill	Wabash County

Map ID	Healthcare	NFIP
132	85 Hope Medical Clinic	Wabash
133	American Healthcare Network	Wabash
134	Bowen Center Healthcare	Wabash
135	Family Medicine	North Manchester
136	Lutheran Medical Center	Wabash
137	Nustart LLC	Wabash
138	Parkview Hospital	Wabash

Map ID	Healthcare	NFIP
139	Parkview Medical Clinic	Wabash
140	Parkview Physicians Group	North Manchester
141	Parkview Physicians Group	Wabash
142	Wabash County Health Dept.	Wabash

Map ID	Jail	NFIP
143	Wabash County Jail	Wabash

Map ID	Medical - Air	NFIP
144	Lutheran Air - Base	Wabash

Map ID	Mobile Home Park	NFIP
145	Carriage House Estates	Wabash County
146	Fountainvue Mobile Home Park	Wabash County
147	Greenridge Mobile Home Park	North Manchester
148	Heritage Estates	North Manchester
149	Hillcrest Mobile Home Park	Wabash
150	Lakeview Mobile Home Park	Wabash County
151	Meadow Acres Mobile Home Park	Wabash County
152	Prosser Country Estates	Wabash County
153	Rhoades Wheel Mobile Home Park	Wabash County
154	Salamonie Country Estates	Wabash County
155	Village Of Hamlet Mobile Home Park	North Manchester

Map ID	Police Dispatch / Station	NFIP
156	Central Dispatch	Wabash
157	Central Dispatch	Wabash
158	N Manchester City Police	North Manchester
159	Wabash City Police	Wabash
160	Wabash County Sheriff	Wabash

Map ID	Pubic Well	NFIP
161	Art's Country Park	Wabash County
162	Bozarth Public Well	Wabash County
163	Carriage House Well	Wabash County
164	Lafontaine Well	La Fontaine
165	Lagro Public Well 1	Lagro
166	Lagro Public Well 2	Wabash County
167	Lakeview Mobile Home Park Well	Wabash County
168	Marion Well 1	Wabash County
169	Marion Well 2	Wabash County
170	Metro North Well	Wabash County
171	N Manchester Public Well 1	Wabash County
172	N Manchester Public Well 2	Wabash County
173	NHS/Sharpcreek Well	Wabash County
174	Prosser Mobile Home Park Well	Wabash County
175	Rhoades Mobile Home Park Well	Wabash County
176	Roann Public Well	Wabash County

177	Salamonie Mh Park Public Well	Wabash County
178	Servia Public Well 1	Wabash County
179	Servia Public Well 2	Wabash County
180	Somerset Well	Wabash County
181	Southwood Elementary Well	Wabash County
182	Southwood Well	Wabash County
183	Wabash City Well 1	Wabash County
184	Wabash City Well 2	Wabash County
185	Whites Public Well	Wabash County

Map ID	Radio Station	NFIP
186	105.9 The Bash	Wabash
187	Kiss 95.9 Radio	Wabash

Map ID	Retirement Home / Nursing Center	NFIP
188	Autumn Ridge Rehab Center	Wabash
189	Bickford Assisted Living Center	Wabash
190	Millers Merry Manor East	Wabash
191	Millers Merry Manor West	Wabash
192	Peabody Retirement Community	North Manchester
193	Rolling Meadows Healthcare	La Fontaine
194	Timbercrest Senior Living	North Manchester
195	Vernon Health & Rehab	Wabash
196	Wellbrooke Of Wabash	Wabash

Map ID	School	NFIP
197	Calvary Chapel Christian School	Wabash County
198	Emmanuel Christian School	Wabash
199	Heartland Career Center	Wabash County
200	Manchester Academy	North Manchester
201	Manchester Elementary School	North Manchester
202	Manchester Intermediate School	Wabash County
203	Manchester Jr Sr High School	North Manchester
204	Metro North Elementary	Wabash County
205	Northfield Jr Sr High School	Wabash County
206	O J Neighbors Elementary School	Wabash
207	Sharp Creek Elementary	Wabash County
208	Southwood Elementary School	Wabash County
209	Southwood Jr Sr High School	Wabash County
210	St Bernard Catholic School	Wabash
211	Wabash High School	Wabash
212	Wabash Middle School	Wabash
213	Whites Jr Sr High School	Wabash County

Map ID	Shelter	NFIP
214	Christian Church Shelter	Wabash
215	Church of The Brethren Shelter	North Manchester
216	First UMC Shelter	Wabash
217	Heartland REMC Shelter	Wabash

Map ID	Shelter	NFIP
218	NHS Shelter	Wabash County
219	SHS Shelter	Wabash County
220	St Bernard's Shelter	Wabash County
221	St Bernard's Shelter	Wabash
222	UMC Shelter	Wabash County
223	YMCA Shelter	Wabash

Map ID	Wastewater Treatment Plant	NFIP
224	Bozarth Waste Treatment Plant	Wabash County
225	Lakeview Estates Waste Treatment Plant	Wabash County
226	Lakeview Mhp Waste Treatment Plant	Wabash County
227	Metro North Waste Treatment Plant	Wabash County
228	N Manchester Waste Treatment Plant	North Manchester
229	Prosser Waste Treatment Plant	Wabash County
230	Roann Waste Treatment Plant	Wabash County
231	Wabash Waste Treatment Plant	Wabash

Map ID	Water Tower	NFIP
232	La Fontaine Water Tower	La Fontaine
233	Lagro Water Tower	Lagro
234	North Manchester Water Tower	North Manchester
235	Roann Water Tower	Roann
236	Wabash Business Park Water Tower	Wabash
237	WIP Water Tower	Wabash

Map ID	Wastewater Treatment Plant	NFIP
238	Carriage House Treatment Plant	Wabash County
239	La Fontaine Treatment Plant	La Fontaine
240	Rhoades Treatment Plant	Wabash County
241	Salamonie MH Park Treatment Plant	Wabash County
242	Somerset Treatment Plant	Wabash County
243	Southwood Elementary Treatment Plant	Wabash County
244	Southwood High Treatment Plant	Wabash County
245	Whites Treatment Plant	Wabash County

**APPENDIX 5      USGS Stream Gage Locations and Major  
Waterways**

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Stream Gage Location	
Site Number	Site Name
03324450	Salamonie Lake at Dora, IN
03324500	Salamonie River at Dora, IN
03325000	Wabash River at Wabash, IN
03328000	Eel River at North Manchester, IN

Major Waterways		
Arthur Ditch	Indian Creek	Pipe Creek
Asher Branch	Johnson Ditch	Pond Creek
Bachelor Creek	Keafaber Ditch	Pony Creek
Back Creek	Kentner Creek	Prairie Creek
Badger Creek	Koontz Ditch	Rager Creek
Beamer Ditch	Kroft Ditch	Richland Creek
Beargrass Creek	Lagro Creek	Ridgeway Creek
Bolley Ditch	Landis Ditch	Rock Run
Brown Ditch	Lautzenhizer Ditch	Rockaway Creek
Burr Creek	Lee Ditch	Ross Run
Busick Ditch	Lehman Ditch	Rush Creek
Carlin Branch	Liston Creek	Salamonie River
Carroll Ditch	Little Majenica Creek	Schrom Creek
Cart Creek	Little Pipe Creek	Sharp Ditch
Charley Creek	Logan Creek	Silver Creek
Clear Creek	Loon Creek	Simonton Creek
Cook Ditch	Majenica Creek	Small Rush Creek
Deemer Ditch	Metocinah Creek	Squirrel Creek
Detamore Ditch	Mill Creek	Stauffer Ditch
Eel River	Miller Ditch	Staver Ditch
Engleman Creek	Mississinewa River	Stone Creek
Enyeart Creek	Muddy Branch	Swank Creek
Forked Branch	Nieman Creek	Sycamore Creek
Gable Ditch	Nordman Ditch	Tenmile Creek
Gilbert Branch	North Branch Grant Creek	Treaty Creek
Goose Creek	Oren Ditch	Unger Ditch
Grant Creek	Otter Creek	Verdrick Ditch
Hamilton Ditch	Paw Paw Creek	Wabash River
Helm Creek	Peabody Ditch	Walnut Creek
Huffman Branch	Pee Dee Creek	Wheeler Creek
Hurricane Creek	Peebles Ditch	



## APPENDIX 6 NCDC Hazard Data

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The following data tables indicate those events that have impacted Wabash 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 complete tables listing all incidents impacting Wabash 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>
<b>Totals:</b>			<b>0</b>	<b>0</b>	<b>\$250.0K</b>	<b>\$0.0K</b>
<a href="#"><u>SERVIA</u></a>	05/14/2011	Flash Flood	0	0	\$250.0K	\$0.0K
<b>Totals:</b>			<b>0</b>	<b>0</b>	<b>\$250.0K</b>	<b>\$0.0K</b>

## **APPENDIX 7**

## **POTENTIAL FUNDING SOURCES**

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### **AmeriCorps**

The AmeriCorps\*State works with Governor-appointed State Service Commissions to provide grants to non-government and government entities that sponsor service programs. These organizations use their grants to engage AmeriCorps members in service to help meet critical community needs in education, public safety, health, and the environment.

**Previous Activities Funded:** Assisting disaster victims, building homes, restoring parks and other community facilities while mobilizing community volunteers.

Ms. Paula Parker-Sawyers, Exec. Director  
Office of Faith-Based & Community Initiative  
302 W Washington St. Room E220  
Indianapolis IN 46204-4701  
317.233.4273 ~ Phone  
317.233.5660 ~ Fax  
[www.state.in.us/iccsv](http://www.state.in.us/iccsv)

### **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.

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

### **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](http://www.americanrivers.org/site/PageServer?pagename=AMR_content_d156)

### **CHIEF Grants Service**

CHIEF Grants is a free service from CHIEF supply company. Dedicated to helping public safety professionals meet today's funding challenges, CHIEF Grants is a one-stop shop for open grants, grant writing tips, seminars, and grant news.

**Previous Activities Funded:** Various types of grants are highlighted with numerous activities funded. This a grant service, not an individual grant opportunity.

<http://www.chiefsupply.com/grants/>

### **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.

<http://epa.gov/OW-OWM.html/cwfinance/cwsrf/basics.htm>

### **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.

<http://www.in.gov/ihfa/comdev/comp/manuals/im/im.htm>

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State of Indiana  
Department of Commerce/Community Development  
One N. Capitol Ave.  
Suite 600  
Indianapolis, IN 46204-2027  
Phone: 317-232-8911  
Fax: 317-233-3597

### **Community Facilities Grants and Loans**

The Rural Housing Service (RHS) of the Department of Agriculture offers loans and grants to construct, enlarge, extend, or otherwise improve community facilities providing essential services to rural residents.

**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.

[www.rurdev.usda.gov/rhs/ProgramBriefs/brief\\_cp\\_grant.htm](http://www.rurdev.usda.gov/rhs/ProgramBriefs/brief_cp_grant.htm)

### **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.

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

### **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

<http://www.fsa.usda.gov/dafp/cepd/crp.htm>

### **The Cora Brown Fund**

To provide for disaster-related needs that have not been, or will not be met by government agencies or any other organizations which have programs to address such needs; however, the fund is not intended to replace or supersede these programs. The fund may not be used in a way that is inconsistent with other federally mandated disaster assistance or insurance programs. Money from the fund will not duplicate assistance for which a person is eligible from other sources.

**Previous Activities Funded:** Disaster related home repair and rebuilding, services which alleviate human suffering due to disasters and disaster related unmet needs.

[http://www.federalgrantswire.com/cora\\_brown\\_fund.html](http://www.federalgrantswire.com/cora_brown_fund.html)

### **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>

### **Direct Housing: Natural Disaster**

Funds are only available to the extent that funds are not provided by the Federal Emergency Management Agency (FEMA). For the purpose of administering these funds, natural disaster will only include those areas identified by a Presidential declaration.

**Previous Activities Funded:** To assist qualified lower income rural families to meet emergency assistance needs resulting from natural disaster to buy, build, rehabilitate, or improve dwellings in rural areas.

[http://www.federalgrantswire.com/direct\\_housingnatural\\_disaster.html](http://www.federalgrantswire.com/direct_housingnatural_disaster.html)

### **Disaster Reserve Assistance**

To provide emergency assistance to eligible livestock owners, in a State, county, or area approved by the Secretary or designee, where because of disease, insect infestation, flood, drought, fire, hurricane, earthquake, hail storm, hot weather, cold weather, freeze, snow, ice, and winterkill, or other natural disaster, a livestock emergency has been determined to exist.

**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://www.federalgrantswire.com/disaster\\_reserve\\_assistance.html](http://www.federalgrantswire.com/disaster_reserve_assistance.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](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](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.

[http://www.firegrantsupport.com/fp\\_about.aspx](http://www.firegrantsupport.com/fp_about.aspx)

### **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](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

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**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](http://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
<b>1. Organize and Prepare the Plan</b>	<b>15</b>	<b>13</b>	
<i>Involvement of office responsible for community planning</i>	4	4	<i>Table 1-1 lists Planning Committee name, title, and department/ agency represented</i>
<i>Planning committee of department staff</i>	9	9	<i>Table 1-1 lists Planning Committee name, title, and department/ agency represented</i>
<i>Process formally created by the community's governing board</i>	2	0	
<b>2. Involve the Public</b>	<b>120</b>	<b>60</b>	
<i>Planning process conducted through a planning committee</i>	60	30	<i>Appendix 2 contains Planning Committee meeting agendas and summaries; Planning Committee reviewed draft MHMP, assisted with public review, and assisted with local adoption</i>
<i>Public meetings held at the beginning of the planning process</i>	15	0	
<i>Public meeting held on the draft plan</i>	15	15	<i>Full draft presented to the public; draft plan made available for public review on webpage, EMA office, Planning Office</i>
<i>Other public information activities to encourage input</i>	30	15	<i>Plan posted to website, press release; outreach flyer</i>
<b>3. Coordinate with Other Agencies</b>	<b>35</b>	<b>25</b>	
<i>Review of existing studies and plans (required)</i>	5	5	<i>Conducted a Community Capability Assessment to better understand existing mitigation programs, policies, and projects</i>
<i>Coordinating with communities and other agencies</i>	30	20	<i>Appendix 3 includes the invitation sent to the surrounding County EMA Directors; IDNR, FEMA and IDHS involved in planning process</i>
<b>4. Assess the Hazard</b>	<b>35</b>	<b>35</b>	
<i>Map of known flood hazards</i>	5	5	<i>Exhibit illustrates FIRM floodplains as well as the location of critical facilities.</i>
<i>Description of known flood hazards</i>	5	5	<i>Section 3 discusses areas with a known localized flooding issue as well as floodplains; Table shows potential losses of structures located within floodplains</i>
<i>Discussion of past floods</i>	5	5	<i>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</i>
<i>Plan includes assessment of less frequent floods</i>	10	10	<i>Section 3 discusses areas with a known localized flooding issue as well as floodplains; Table shows potential losses of structures located within floodplains</i>
<i>Plan includes assessment of areas likely to flood</i>	5	5	<i>Section 3 discusses areas with a known localized flooding issue as well as floodplains; Table shows potential losses of structures located within floodplains</i>
<i>Describes other natural hazards (required DMA)</i>	5	5	<i>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</i>
<b>5. Assess the Problem</b>	<b>52</b>	<b>34</b>	
<i>Summary of hazard and impact on community (required)</i>	2	2	<i>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</i>
<i>Impact on life, safety, health, procedures for warning and evacuation</i>	5	5	<i>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</i>
<i>Impact on public health including health hazards to floodwater/ mold</i>	5		
<i>Impact on critical facilities and infrastructure</i>	5	5	<i>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; Failure; Hazardous Materials) that specifies (where possible) the number of critical facilities that would be impacted</i>

510 FLOODPLAIN MANAGEMENT PLANNING  
 CRS Checklist - from Activity Worksheet 510-1 and 2017 CRS Coordinator's Manual

CRS 10-Step Planning Process	Max. Points	Est. Points	Comments
<i>Impact on community's economy and tax base</i>	5	0	
<i>Number and types of buildings subject to the hazards</i>	5	5	<i>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</i>
<i>Review of all flood insurance claims</i>	5	5	<i>Table list flood insurance claims</i>
<i>Natural and beneficial function of natural areas</i>	5	5	<i>Section 3 discusses the natural and beneficial function of floodplains for flood storage</i>
<i>Development, redevelopment, and population trends</i>	7	7	<i>Section 2 discusses population and demographics</i>
<b>6. Set Goals (required)</b>	<b>2</b>	<b>2</b>	<i>Section 4.1 list goal for MHMP - to reduce social, physical, and economic losses from hazards</i>
<b>7. Review Possible Activities</b>	<b>35</b>	<b>35</b>	
<i>Preventive activities</i>	5	5	<i>Section 4.2.1 discusses existing Mitigation Practices; Table 4-1 lists proposed Mitigation Practices for Preventive</i>
<i>Floodplain management regulatory/current and future conditions</i>	5	5	<i>Section 4.2.1 discusses existing Mitigation Practices; Table 4-1 lists proposed Mitigation Practices for Property Protection</i>
<i>Property protection activities</i>	5	5	<i>Section 4.2.1 discusses existing Mitigation Practices; Table 4-1 lists proposed Mitigation Practices for Property Protection</i>
<i>Natural resource protection activities</i>	5	5	<i>Section 4.2.1 discusses existing Mitigation Practices; Table 4-1 lists proposed Mitigation Practices for Natural Resource Protection</i>
<i>Emergency services activities</i>	5	5	<i>Section 4.2.1 discusses existing Mitigation Practices; Table 4-1 lists proposed Mitigation Practices for Emergency Services</i>
<i>Structural projects</i>	5	5	<i>Section 4.2.1 discusses existing Mitigation Practices; Table 4-1 lists proposed Mitigation Practices for Structural Projects</i>
<i>Public information activities</i>	5	5	<i>Section 4.2.1 discusses existing Mitigation Practices; Table 4-1 lists proposed Mitigation Practices for Public Information</i>
<b>8. Draft Action Plan</b>	<b>60</b>	<b>60</b>	
<i>Recommendations for activities 2 of 6 categories from #7 (prioritized)</i>	10	0	
<i>Recommendations for activities 3 of 6 categories from #7 (prioritized)</i>	20	0	
<i>Recommendations for activities 4 of 6 categories from #7 (prioritized)</i>	30	0	
<i>Recommendations for activities 5 of 6 categories from #7s (prioritized)</i>	45	45	<i>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</i>
<i>Post-disaster mitigation policies and procedures</i>	10	10	<i>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</i>
<i>Action items for mitigation other hazards</i>	5	5	<i>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</i>
<b>9. Adopt the Plan</b>	<b>2</b>	<b>2</b>	
<b>10. Implement, Evaluate and Revise</b>	<b>26</b>	<b>26</b>	
<i>Procedures to monitor and recommend revisions (required)</i>	2	2	<i>Section 6.1 includes a process to monitor, evaluate, and update the MHMP; effort to be led by EMA Director</i>
<i>Plan evaluated by same (or equally qualified) planning committee</i>	24	24	<i>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.</i>
<b>TOTAL</b>	<b>382</b>	<b>292</b>	

# **APPENDIX 9      Community Capability Assessment**

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Plans	Comprehensive Plan	Local Emergency Plan	Economic Development	Watershed Plan
Wabash County		<b>Wabash County MHMP</b> – 2011 and 2018 serve as a multi-jurisdictional approach to emergency planning.	<b>Wabash County Redevelopment Commission</b>  <b>Grow Wabash County</b>	
Town of Lagro				
Town of LaFontaine				
Town of North Manchester	2015			
Town of Roann				
City of Wabash				

Ordinances	Zoning Ordinance	Subdivision Control Ordinance	Stormwater Ordinance	Burning Ordinance	Water Conservation Ordinance
Wabash County	2018	2018			
Town of Lagro					
Town of LaFontaine					
Town of North Manchester	Ch 156	Ch 155	Ch 154		
Town of Roann	2018 (with County)	2018 (with County)			
City of Wabash	Ch 10, Art 1	Ch 10, Art 2		Ch 6, Sec. 49 (Open burning)	

Programs	NFIP	CRS	Tree City	Storm Ready	Mutual Aid Agreements
Wabash County	180266	No	No	Yes (County)	
Town of Lagro	180268	No	No		
Town of LaFontaine	180267	No	No		
Town of North Manchester	180269	No	Yes		
Town of Roann	180270	No	No		
City of Wabash	180271	No	No		

Studies/Maps	FIRMs	Evacuation Routes	Vulnerable Populations	At-Risk Structures	River Basin Commission
Wabash County	09/18/2013				
Town of Lagro	09/18/2013				
Town of LaFontaine	09/18/2013				
Town of North Manchester	09/18/2013			#9, 2008	
Town of Roann	09/18/2013 (M)				
City of Wabash	09/18/2013			Ch 7, Art 4 Dangerous Buildings	

Staffing	Building/ Planning	GIS	Engineer / Surveyor	Street/ Highway	Floodplain Admin
Wabash County	Mike Howard, Planning Director	Through Schneider Corp's "Beacon" Portal	Cheri Slee, Surveyor	John Martin, Superintendent	Mike Howard, Planning Director
Town of Lagro	Mike Howard, Planning Director				Mike Howard, Planning Director
Town of LaFontaine	Mike Howard, Planning Director				
Town of North Manchester	Steve Shumaker, Building Commissioner			Craig Walters, Superintendent	Steve Shumaker, Building Commissioner
Town of Roann	Mike Howard, Planning Director				Mike Howard, Planning Director
City of Wabash					Scott Richardson, Superintendent

## APPENDIX 10

## IMPLEMENTATION CHECKLIST

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MITIGATION PRACTICE	HAZARD ADDRESSED	PRIORITY	STATUS	2024 STATUS
<p><b>Public Education &amp; Outreach</b></p> <p>1. Provide multi-lingual hazard preparedness literature (warning sirens, radio stations, go-kits, insurance protection, etc.) during Severe Weather Awareness Week, at public facilities and events and to populations within known hazard areas such as floodplains, downstream of a dam, near hazmat facilities, etc. (2011 Measure)</p>	<input checked="" type="checkbox"/> Drought <input checked="" type="checkbox"/> Earthquake <input checked="" type="checkbox"/> Extreme Temperature <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"/> Wildfire <input checked="" type="checkbox"/> Winter Storm/Ice <input checked="" type="checkbox"/> Dam Failure <input checked="" type="checkbox"/> HazMat Incident	High	<p><b>Ongoing –</b></p> <p>1. Literature provided at several public facilities, office locations, and large public events throughout the County. Populations within special flood hazard areas are educated through required flood insurance purchases and various website and literature pieces.</p> <p><b>Proposed Enhancement –</b></p> <p>1. Encourage enhancement of messages provided to various groups and neighborhoods; Educate landowners within dam inundation areas of potential dangers and what to do in emergency situation; encourage voluntary purchase of federally-subsidized flood insurance; formalize a neighborhood or local campaign where community representatives provide residents with emergency information and protocols.</p>	
<p><b>Hazardous Materials</b></p> <p>1. Review and revise transportation survey to determine typical chemicals and quantities of chemicals being transported through the county (2011 Measure)</p>	<input type="checkbox"/> Drought <input checked="" type="checkbox"/> Earthquake <input type="checkbox"/> Extreme Temperature <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"/> Wildfire <input checked="" type="checkbox"/> Winter Storm/Ice <input checked="" type="checkbox"/> Dam Failure <input checked="" type="checkbox"/> HazMat Incident	High	<p><b>Ongoing –</b></p> <p>1. Initial survey completed</p> <p><b>Proposed Enhancement –</b></p> <p>1. Review and revise survey to update routes, chemicals, and quantities as well as response efforts and capabilities within the County</p>	
<p><b>Emergency Preparedness &amp; Warning</b></p> <p>1. Enhance disaster preparedness and emergency response at local level through CERT, or similar, program</p> <p>2. Improve outdoor warning siren coverage to alert population of severe weather conditions (2011 Measure)</p> <p>3. Create a Wabash County Community Organizations Active in Disasters (COAD) group to assist in emergency preparedness and response efforts.</p> <p>4. Purchase mobile electronic messaging boards and develop protocol for local interactions to provide current hazard information</p> <p>5. Encourage weather radios in critical infrastructure and encourage use by residents and businesses.</p>	<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/Levee Failure <input checked="" type="checkbox"/> HazMat Incident	<p>High (CERT, warning sirens)</p> <p>Moderate (COAD, mobile message boards, weather radios)</p>	<p><b>Ongoing –</b></p> <p>1. Approximately 60 current CERT members</p> <p>2. City of Wabash and Town of North Manchester covered by outdoor warning sirens</p> <p>5. Numerous facilities have and utilize weather radios</p> <p><b>Proposed Enhancements –</b></p> <p>1. Develop a list of refresher training courses or seminars for registrants to attend every 3-6 months</p> <p>2. Install additional sirens in LaFontaine, Lagro, and Roann</p> <p>3. Work with Wabash County Cooperative Extension and other partnering agencies to create and maintain a COAD</p> <p>4. Investigate need and prioritize purchase of additional mobile message boards</p> <p>5. Continue to encourage weather radios during presentations and events; provide to residents as funding allows</p>	

MITIGATION PRACTICE	HAZARD ADDRESSED	PRIORITY	STATUS	2024 STATUS
<p><b>Geographic Information Systems</b></p> <ol style="list-style-type: none"> <li>1. Develop county-wide GIS with address verification within Code Red to improve emergency response times</li> <li>2. Include dry hydrants as a GIS layer for responders and planners <i>(2011 Measure)</i></li> <li>3. 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.</li> </ol>	<input checked="" type="checkbox"/> Drought <input checked="" type="checkbox"/> Earthquake <input checked="" type="checkbox"/> Extreme Temperature <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"/> Wildfire <input checked="" type="checkbox"/> Winter Storm/Ice <input checked="" type="checkbox"/> Dam Failure <input checked="" type="checkbox"/> HazMat Incident	<p>High <i>(address verification)</i></p> <p>Moderate <i>(dry hydrant layer, training)</i></p>	<p><b>Ongoing –</b></p> <ol style="list-style-type: none"> <li>1. GIS is used by Wabash County (and provided to all communities) through a contract service provider</li> </ol> <p><b>Proposed Enhancement –</b></p> <ol style="list-style-type: none"> <li>1. Develop address verification coordinated with CodeRed and provide to all first response agencies and vehicles</li> <li>2. Develop a layer of dry hydrant locations throughout the county</li> <li>3. Additional training for GIS staff</li> </ol>	
<p><b>Safer Rooms and Community Shelters</b></p> <ol style="list-style-type: none"> <li>1. Inventory and prioritize listing of public facilities which may serve as effective shelters if hardened</li> <li>2. Provide possible incentives for (private) buildings with approved safe rooms</li> <li>3. Clearly advertise location of safe rooms and/or community shelters for large gatherings of people (football games, 4H fair, etc.)</li> <li>4. Establish shelters in recreational and mobile home parks <i>(2011 Measure)</i></li> </ol>	<input type="checkbox"/> Drought <input checked="" type="checkbox"/> Earthquake <input checked="" type="checkbox"/> Extreme Temperature <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"/> Wildfire <input checked="" type="checkbox"/> Winter Storm/Ice <input checked="" type="checkbox"/> Dam Failure <input checked="" type="checkbox"/> HazMat Incident	<p>High <i>(burden public facilities)</i></p> <p>Low <i>(incentives, advertisement, recreational and mobile home parks)</i></p>	<p><b>Ongoing –</b></p> <ol style="list-style-type: none"> <li>3. Shelter agreements are in place for facilities throughout the county</li> </ol> <p><b>Proposed Enhancement –</b></p> <ol style="list-style-type: none"> <li>1. Inventory potential facilities that may be suitable as shelters and identify needs</li> <li>2. Provide incentives for approved safe rooms</li> <li>3. Prominently advertise or announce locations during activities where many visitors may be present</li> <li>4. Establish additional shelters in vulnerable locations such as RV or mobile home parks</li> </ol>	
<p><b>Power Back-Up Generators</b></p> <ol style="list-style-type: none"> <li>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 <i>(2011 Measure)</i></li> <li>2. Secure a fuel reserve for critical infrastructure may run on power back-up for extended periods of time</li> <li>3. Develop and designate a fuel reserve transportation route</li> <li>4. Investigate the potential to utilize solar generators where appropriate</li> </ol>	<input type="checkbox"/> Drought <input checked="" type="checkbox"/> Earthquake <input type="checkbox"/> Extreme Temperature <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"/> Wildfire <input checked="" type="checkbox"/> Winter Storm/Ice <input checked="" type="checkbox"/> Dam Failure <input checked="" type="checkbox"/> HazMat Incident	<p>High <i>(generators)</i></p> <p>Low <i>(fuel reserve, fuel route, wind or solar generators)</i></p>	<p><b>Ongoing –</b></p> <ol style="list-style-type: none"> <li>1. Many critical facilities have generators</li> </ol> <p><b>Proposed Enhancements –</b></p> <ol style="list-style-type: none"> <li>1. Inventory and prioritize critical facilities for retrofitting, wiring, and generator capabilities and needs; especially Wabash City Hall, Volunteer Fire Departments, Lagro Fire</li> <li>2. Secure a fuel reserve via contract service agreements</li> <li>3. Designate a fuel route from the distribution to utilization locations</li> <li>4. Install solar generators as a demonstration</li> </ol>	

MITIGATION PRACTICE	HAZARD ADDRESSED	PRIORITY	STATUS	2024 STATUS
<p><b>Building Protection</b></p> <ol style="list-style-type: none"> <li>1. Protect existing critical facilities in floodplains (2011 Measure)</li> <li>2. Install additional dry hydrants throughout the county (2011 Measure)</li> <li>3. Purchase additional fire equipment for first responders such as digital radios, personal protective equipment, and/or mapping capabilities</li> <li>4. Relocate, buyout, or floodproof (non-residential) existing, non-critical facilities subject to repetitive flooding</li> <li>5. Install inertial valves in critical facilities</li> <li>6. Develop and complete an inventory for at-risk structures (abandoned buildings in concentration, blighted areas, or hazard areas)</li> </ol> <p>(Will assist with NFIP compliance)</p>	<input type="checkbox"/> Drought <input checked="" type="checkbox"/> Earthquake <input type="checkbox"/> Extreme Temperature <input checked="" type="checkbox"/> Flood <input type="checkbox"/> Hail/Thunder/Wind <input type="checkbox"/> Landslide/Subsidence <input type="checkbox"/> Tornado <input checked="" type="checkbox"/> Wildfire <input checked="" type="checkbox"/> Winter Storm/Ice <input checked="" type="checkbox"/> Dam Failure <input checked="" type="checkbox"/> HazMat Incident	<p>High (protect existing critical facilities, dry hydrants, fire equipment)</p> <p>Moderate (existing, non-residential, non-critical)</p> <p>Low (inertial valves, at-risk structures)</p>	<p><b>Ongoing –</b></p> <ol style="list-style-type: none"> <li>2. Dry hydrants have been installed in northern Wabash County and in Lagro</li> <li>4. City of Wabash participated in residential property buyouts</li> </ol> <p><b>Proposed Enhancements –</b></p> <ol style="list-style-type: none"> <li>1. Protect the existing facilities identified as within the SFHA in Table 3-10</li> <li>2. Prioritize additional areas and install additional hydrants</li> <li>3. Inventory, prioritize, and purchase additional equipment</li> <li>4. Investigate and prioritize existing, non-residential, non-critical facilities subject to repetitive flooding</li> <li>5. Prioritize facilities for inertial valve installation</li> <li>6. Develop inventory for at-risk structures</li> </ol>	

MITIGATION PRACTICE	HAZARD ADDRESSED	PRIORITY	STATUS	2024 STATUS
<p><b>Emergency Response &amp; Recovery</b></p> <ol style="list-style-type: none"> <li>Inventory needs for mobile data terminals or equipment in response vehicles and purchase and install as feasible</li> <li>Review and update procedures to alert and evacuate populations (especially special needs populations) in known hazard areas SFHAs, dam failure areas, Tier II areas) <i>(2011 Measure)</i></li> <li>Develop a water rescue and dive team</li> <li>Develop and implement a voluntary immunization program for all emergency responders, inspection staff, and families</li> <li>Coordinate communications, documentation, and record keeping between NFIP communities and agencies including a database of accurate and community specific information following each hazard events</li> <li>Investigate options for mobile sand bagging equipment and associated generator</li> <li>Develop snow removal routes and post signage to educate residents and visitor</li> <li>Purchase additional snow removal and pre-treatment equipment and supplies</li> <li>Investigate reciprocal agreements between neighboring communities/counties for structural inspections following hazardous events</li> <li>Construct a new EOC <i>(2011 Measure)</i></li> </ol>	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Drought</li> <li><input checked="" type="checkbox"/> Earthquake</li> <li><input checked="" type="checkbox"/> Extreme Temperature</li> <li><input checked="" type="checkbox"/> Flood</li> <li><input checked="" type="checkbox"/> Hail/Thunder/Wind</li> <li><input checked="" type="checkbox"/> Landslide/Subsidence</li> <li><input checked="" type="checkbox"/> Tornado</li> <li><input checked="" type="checkbox"/> Wildfire</li> <li><input checked="" type="checkbox"/> Winter Storm/Ice</li> <li><input checked="" type="checkbox"/> Dam Failure</li> <li><input checked="" type="checkbox"/> HazMat Incident</li> </ul>	<p>High <i>(data terminals, evacuations, water rescue team)</i></p> <p>Moderate <i>(immunizations, record-keeping, sand bagging equipment, snow routes, snow equipment)</i></p> <p>Low <i>(reciprocal agreements, new EOC)</i></p>	<p><b>Ongoing –</b></p> <ol style="list-style-type: none"> <li>Some vehicles have data terminals installed</li> <li>Flood Response Plan has been developed for City of Wabash; IEAPs exist for ACoE dams</li> <li>DNR has water recovery team</li> <li>Some immunizations are offered through insurance plans</li> <li>Some post-event communication occurs</li> <li>Currently borrow sand bagging equipment</li> <li>Reciprocal agreements exist for Fire/EMS</li> </ol> <p><b>Proposed Enhancement –</b></p> <ol style="list-style-type: none"> <li>Inventory needs (hardware, software) and prioritize updates or installations</li> <li>Continue to review and update as needed; involve additional public entities, special needs providers</li> <li>Develop water rescue team for county</li> <li>Increase type of immunizations offered and extend to family members as a part of employment agreement</li> <li>Develop detailed database for all communities to track and input data during and following events</li> <li>Investigate and purchase most appropriate equipment</li> <li>Develop primary and secondary snow removal routes and post signage in appropriate areas</li> <li>Inventory existing and needed snow fight equipment, purchase as able</li> <li>Develop agreements for structural inspections or other post-event services</li> <li>Construct new EOC</li> </ol>	
<p><b>Community Rating System</b></p> <ol style="list-style-type: none"> <li>Reduce flood insurance premiums through participation in the NFIP's CRS Program.  <i>(Will assist with NFIP compliance)</i></li> </ol>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Drought</li> <li><input type="checkbox"/> Earthquake</li> <li><input type="checkbox"/> Extreme Temperature</li> <li><input checked="" type="checkbox"/> Flood</li> <li><input type="checkbox"/> Hail/Thunder/Wind</li> <li><input type="checkbox"/> Landslide/Subsidence</li> <li><input type="checkbox"/> Tornado</li> <li><input type="checkbox"/> Wildfire</li> <li><input type="checkbox"/> Winter Storm/Ice</li> <li><input type="checkbox"/> Dam Failure</li> <li><input type="checkbox"/> HazMat Incident</li> </ul>	<p>Moderate</p>	<p><b>Ongoing –</b></p> <ol style="list-style-type: none"> <li>No communities participate</li> </ol> <p><b>Proposed Enhancement –</b></p> <ol style="list-style-type: none"> <li>Participation from County and others as one NFIP</li> </ol>	

MITIGATION PRACTICE	HAZARD ADDRESSED	PRIORITY	STATUS	2024 STATUS
<p><b>Floodplain Management</b></p> <ol style="list-style-type: none"> <li>1. Complete flood depth mapping (RiskMAP) to better understand flood risk potential</li> <li>2. Conduct detailed flood protection studies for problem areas and/or areas with repetitive flooding problems</li> <li>3. Complete a Watershed Plan or Stormwater Master Plan</li> <li>4. Elevate intersections to alleviate damages associated with flood impacts</li> </ol> <p><i>(Will assist with NFIP compliance)</i></p>	<input type="checkbox"/> Drought <input type="checkbox"/> Earthquake <input type="checkbox"/> Extreme Temperature <input checked="" type="checkbox"/> Flood <input type="checkbox"/> Hail/Thunder/Wind <input type="checkbox"/> Landslide/Subsidence <input type="checkbox"/> Tornado <input type="checkbox"/> Wildfire <input type="checkbox"/> Winter Storm/Ice <input type="checkbox"/> Dam Failure <input type="checkbox"/> HazMat Incident	Moderate	<p><b>Ongoing –</b></p> <ol style="list-style-type: none"> <li>1. City of Wabash has flood depth mapping associated with the Flood Response Plan</li> </ol> <p><b>Proposed Enhancements –</b></p> <ol style="list-style-type: none"> <li>1. Complete flood depth grid mapping to include all flood prone areas within the County, especially in municipalities</li> <li>2. Complete studies for streams with smaller drainage areas or those locations with poor drainage</li> <li>3. Prioritize areas for watershed plan or stormwater master plan development</li> <li>4. Identify and prioritize intersections to elevate to alleviate flood impacts</li> </ol>	
<p><b>Management of High Hazard Dams</b></p> <ol style="list-style-type: none"> <li>1. Review regular inspection reports and maintenance records, and participate in reviews and exercises of the IEAPs of high hazard dams (Salamonic, Mississinewa, and Roush)</li> </ol>	<input type="checkbox"/> Drought <input checked="" type="checkbox"/> Earthquake <input type="checkbox"/> Extreme Temperature <input checked="" type="checkbox"/> Flood <input type="checkbox"/> Hail/Thunder/Wind <input checked="" type="checkbox"/> Landslide/Subsidence <input type="checkbox"/> Tornado <input type="checkbox"/> Wildfire <input type="checkbox"/> Winter Storm/Ice <input checked="" type="checkbox"/> Dam Failure <input type="checkbox"/> HazMat Incident	Low	<p><b>Ongoing –</b></p> <ol style="list-style-type: none"> <li>1. Inspections and IEAP exercises routinely completed</li> </ol> <p><b>Proposed Enhancements –</b></p> <ol style="list-style-type: none"> <li>1. Ensure EMA continues to participate in IEAP exercises</li> </ol>	

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