

APPENDIX 1

List of Acronyms

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AICP	American Institute of Certified Planners
BMP	Best Management Practices
CBBEL	Christopher B. Burke Engineering, LLC
CERT	Community Emergency Response Team
CFM	Certified Floodplain Manager
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
GDP	Gross Domestic Product
GIS	Geographic Information System
HAZUS-MH	Hazard US – Multi-Hazard
HIRA	Hazard Identification and Risk Assessment
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
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
USGS	United States Geological Service
WCT	Wind Chill Temperature

APPENDIX 2

Committee Summaries

Meeting

Agendas

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LaPorte County Multi-Hazard Mitigation Plan Update

Planning Committee Meeting

10 am Wednesday, December 10, 2014
LaPorte County Government Building, Room #2
809 State Street
LaPorte IN

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. Critical Infrastructure
5. Next Steps
6. Adjournment

LaPorte County Multi-Hazard Mitigation Plan Update

Planning Committee Meeting

10 am Wednesday, December 10, 2014
LaPorte County Government Building, Room #2
809 State Street
LaPorte IN

SUMMARY

Project Team Members Present:

Larry Butcher, LaPorte County EMA
Angie Cloutier, IDHS
John Dudek, LaPorte County 911
Jeff Hamilton, LaPorte County HazMat
Jerry Jackson, City of LaPorte Wastewater
Ken Johnston, LaPorte County Health Department
Tony Mancuso, LaPorte County Health Department
Nick Minich, City of LaPorte Engineering
Michael Ordziejewski, LaPorte County GIS
Ken Purze, Kankakee River Basin Commission
Mark Robinson, Indiana Michigan Power
Julie Smith, City of LaPorte Police Department
Michelle Stelmack, LaPorte County EMA
Royce Williams, City of Michigan City Police Department

Others Present:

Heather Buck, CBBEL

1. Welcome and Introductions

Heather and Larry 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 5 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 Communities within LaPorte County.

3. Hazard Risk Assessment:

- a) Review Hazard Data

The Committee reviewed the hazards to be studied as determined by LaPorte County EMA and agreed that these are the hazards which most affect LaPorte 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 2005 MHMP was completed.

b) Discuss Vulnerability to Hazards

The Committee was engaged during the discussion 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 will be provided by the LaPorte County GIS Department, categorized into sectors, and will be 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 meeting, a Public Meeting, 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 Committee adjourned and plans to meet again following gathering of additional data and information. Announcements will be sent to all in attendance and those on the list provided by the LaPorte County EMA.

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LaPorte County Multi-Hazard Mitigation Plan Update

Planning Committee Meeting

10 am Tuesday, March 24, 2015
Emergency Operations Center – Lower Level of City Hall
100 East Michigan Boulevard, Michigan City IN 46360

AGENDA

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

LaPorte County Multi-Hazard Mitigation Plan Update

Planning Committee Meeting

10 am Tuesday, March 24, 2015

Emergency Operations Center – Lower Level of City Hall
100 East Michigan Boulevard, Michigan City IN 46360

SUMMARY

Project Team Members Present:

Keith Adkins, LaPorte Wastewater
Larry Butcher, LaPorte County EMA
Angie Cloutier, IDHS
Angie Deutch, NIPSCO
John Dudek, LaPorte County 911
Shannon Eason, Michigan City Parks Department
Chris Fine, Kingsford Heights Police Department
Tim Frame, Michigan City Port Authority
Bart Frank, Westville Utilities
Jeff Hamilton, LaPorte County HazMat
Jeremy Kienitz, Michigan City Parks Department
Will Klein, LaPorte Wastewater
Mike Milatovic, Michigan City Sanitary District
Michael Ordziejewski, LaPorte County GIS
Julie Smith, City of LaPorte Police Department
Andy Snyder, LaPorte Fire Department
Michelle Stelmack, LaPorte County EMA
Tim Warner, LaPorte Wastewater

Others Present:

Heather Buck, CBBEL

1. Welcome and Introductions

Heather and Larry thanked everyone for attending the meeting. Introductions were made by those present.

2. Review of the Approach for the MHMP Update

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 meeting, 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 2005 MHMP and information gathered through the planning process, a list of proposed mitigation practices was presented to the Committee for review and comment.

5. Next Steps & Future Meetings

It was explained that the next step in the process is to prepare the draft MHMP Update. Once this has been completed, a public meeting will be held 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 INVOLVMENT OF OTHER INTERESTED PARTIES

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APPENDIX 4

Critical Infrastructure by NFIP Community

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Map ID	Airport	NFIP
1	Private Airport	LaPorte County
2	LaPorte Municipal Airport	City of LaPorte
3	Michigan City Municipal Airport	Michigan City

Map ID	Bus Station	NFIP
1	Greyhound	Michigan City
2	Greyhound	City of LaPorte

Map ID	Communication	NFIP
1	Access LaPorte County	Michigan City
2	Town of Lacrosse (Tower)	LaPorte County
3	WCOE	City of LaPorte
4	WEFM	Michigan City
5	Weigal Broadcasting Co	City of LaPorte

Map ID	Daycare	NFIP
1	4 Lil One's Academy	Michigan City
2	A Little Piece of Heaven	Michigan City
3	ABC Room/Byrd House	Michigan City
4	Angel Academy	Trail Creek
5	County Home Day Care	LaPorte County
6	Cribs to Crayons Child Care	Michigan City
7	Dawn's Day Care	Michigan City
8	Day One	LaPorte County
9	Debora A Sparkman	Michigan City
10	Delores Kiner	Michigan City
11	Door Prairie Christian Day Care	LaPorte
12	Giggly Wiggly Daycare 3rd	Michigan City
13	God's Little Creation Day Care	Michigan City
14	God's Little Creation Daycare	Michigan City
15	Goggly Wiggly Day Care	Michigan City
16	Granny's House Christian Family Child Care	Michigan City
17	Heartand Hands Day Care	Michigan City
18	House of Runt'z Childcare and the Nicolas Jordan Learning Center	Michigan City
19	Imagination Station Child Developmental Center	Michigan City
20	Jack & Jill Day Care Ministry	Michigan City
22	Kathy Bradley	Michigan City
23	Kay's Play Place	Trail Creek
24	Kids "R" Kids	Michigan City
25	Kids Discovery III	LaPorte
26	Kids Discovery III	LaPorte
27	Kids Korner	Michigan City
28	Kids "R" Kids	Michigan City

Map ID	Daycare	NFIP
29	Little Children Of God	Michigan City
30	Little Darlings Day Care	Michigan City
31	Little Dreamers, Inc	LaPorte County
32	Little Rascals	Michigan City
33	Little Saints	Michigan City
34	Little Saints Day Care	Michigan City
35	Little Stars on Earth	Michigan City
36	Moore to Love Child Care	Michigan City
37	Nana's Playhouse	Michigan City
38	Noah's Ark "Baryard", Busy Bees, Jungle Room	LaPorte County
39	Peek-A-Boo	Michigan City
40	Pooh's Playground Daycare	Michigan City
41	Pooh Playhouse Daycare	Trail Creek
42	Sheron Patrick	Michigan City
43	Sherry Hienz	LaPorte County
44	Sleepy Hollow/Shoe House Head Start	Michigan City
45	Sue's Daycare	Michigan City
46	Sugar's Place	Michigan City
47	The Quilla Bear Daycare	Michigan City
48	The Village Kids	Michigan City
49	The Village Kids	Michigan City
50	Tiny Tot I/ Willow Creek	Michigan City
51	Toddle Tykes Day Care	LaPorte County
52	Tricia's Playhouse	Michigan City
53	Tricia's Playhouse	LaPorte
54	Tricia's Playhouse	LaPorte County
55	Tricia Playhouse	Michigan City
56	Two by Two Daycare	LaPorte
57	Wee Care 3	Michigan City
58	Wee Care II	Michigan City
59	Wee Sing	LaPorte County
60	Wiggly Giggly Daycare	Michigan City

Map ID	Electric	NFIP
1	NIPSCO	LaPorte County
2	NIPSCO	LaPorte County
3	NIPSCO	Kingsford Heights
4	NIPSCO	LaPorte County
5	NIPSCO	LaPorte County
6	NIPSCO	LaPorte County
7	NIPSCO	LaPorte County
8	NIPSCO	LaPorte County
9	NIPSCO	LaPorte County
10	NIPSCO	City of LaPorte

11	NIPSCO	City of LaPorte
12	NIPSCO	City of LaPorte
13	NIPSCO	LaPorte County
14	NIPSCO	City of LaPorte
15	NIPSCO	LaPorte County
16	NIPSCO	LaPorte County
17	NIPSCO	LaPorte County
18	NIPSCO	Michigan City
19	NIPSCO	Michigan City
20	NIPSCO	LaPorte County
21	NIPSCO	Michigan City

Map ID	EMS	NFIP
1	Laporte City EMS Base	City of LaPorte
2	Michigan City EMS Base	Michigan City
3	Wanatah EMS Base	LaPorte County

Map ID	EOC	NFIP
1	LaPorte County Emergency Management	City of LaPorte
2	Michigan City Emergency Management	Michigan City

Map ID	Fire Departments	NFIP
1	Cass Clinton Volunteer Fire Department	LaPorte County
2	Center Township Fire Department	City of LaPorte
3	Coolspring Volunteer Fire Department	LaPorte County
4	Hanna Township Fire Department	LaPorte County
5	Kankakee Township Fire Department	LaPorte County
6	Kingsbury Volunteer Fire Department	LaPorte County
7	Lacrosse Fire Department	LaPorte County
8	Laporte Fire Building Corp	City of LaPorte
9	Lincoln Twp Volunteer Fire	LaPorte County
10	Long Beach Fire Department	Long Beach
11	LaPorte City Fire Department	City of LaPorte
12	LaPorte City Fire Department	City of LaPorte
13	Michigan City Fire Department	Michigan City
14	Michigan City Fire Department	Michigan City
15	Michigan City Fire Department	Michigan City
16	Michiana Shores Volunteer Fire Department	Michiana Shores
17	Noble Township Volunteer Fire Department	LaPorte County
18	Pleasant Township Volunteer Fire Department	City of LaPorte
19	Rolling Prairie Fire Department	LaPorte County
20	Springfield Township Volunteer Fire Department	LaPorte County
21	Union Township Volunteer Fire Department	Kingsford Heights
22	Westville Volunteer Fire	LaPorte County

Map ID	Government	NFIP
1	LaPorte City Hall	City of LaPorte
2	LaPorte County Courthouse	City of LaPorte
3	LaPorte County Government Offices	City of LaPorte
4	LaPorte County Government Offices	City of LaPorte
5	Michigan City Courthouse	Michigan City
6	Michigan City, City Hall	Michigan City

Map ID	Jails	NFIP
1	Indiana State Prison	Michigan City
2	LaPorte County Jail	City of LaPorte
3	Westville Correctional Facility	LaPorte County

Map ID	Medical	NFIP
1	Brentwood Assisted Living Community	City of LaPorte
2	Countryside Place Nursing Home	City of LaPorte
3	Fountain View Terrance Nursing & Rehab	City of LaPorte
4	Health Partners	Michigan City
5	LaPorte Health/Urgent Care	City of LaPorte
6	LaPorte Regional Hospital	City of LaPorte
7	Life Care Center	Michigan City
8	St. Anthony Hospital	Michigan City
9	The Arbors at Michigan City	Michigan City
10	Woodland Health Care Surgicenter	LaPorte County
11	Working Well	Michigan City

Map ID	Military	NFIP
1	Heslar Naval Armory/Indiana Army National Guard	Michigan City
2	US Army Reserve Training Center	Michigan City
3	US Coast Guard	Michigan City

Map ID	Police	NFIP
1	Kingsford Heights Police	Kingsford Heights
2	Laporte City Police Station	City of LaPorte
3	Long Beach Police Station	Long Beach
4	Michigan City Police Station	Michigan City
5	Sheriff	City of LaPorte
6	Trail Creek Police Station	LaPorte County
7	Westville Police Station	LaPorte County

Map ID	Potable Water	NFIP
1	Kingsbury Industrial Park Drinking Water	LaPorte County
2	Kingsford Heights Drinking Water	Kingsford Heights
3	LaCrosse Drinking Water	LaPorte County
4	Laporte Drinking Water	City of LaPorte
5	Michigan City Drinking Water	Michigan City

6	Wanatah Drinking Water	LaPorte County
7	Westville Drinking Water	LaPorte County

Map ID	Schools	NFIP
1	A K Smith Area Career Center	Michigan City
2	Ames Field - MC Schools	Michigan City
3	Barker Middle School	Michigan City
4	Boston Middle School	City of LaPorte
5	Crichfield Elementary School	LaPorte County
6	Edgewood Elementary School	Michigan City
7	Elston Middle School	Michigan City
8	Hailmann Elementary School	City of LaPorte
9	Indian Trail Elementary School	LaPorte County
10	Joy Elementary School	Michigan City
11	Kessling Middle School	City of LaPorte
12	Kingsbury Elementary School	LaPorte County
13	Kingsford Heights Elementary School	Kingsford Heights
14	Knapp Elementary School	Michigan City
15	La Crosse Elementary/High School	LaPorte County
16	La Porte High School	City of LaPorte
17	La Porte Schools Maintenance Facility	City of LaPorte
18	Lincoln Elementary School	City of LaPorte
19	Marquette High School	Michigan City
20	Marsh Elementary School	Michigan City
21	Martin T Krueger Middle School	Michigan City
22	Michigan City Area Schools	LaPorte County
23	Michigan City Head Start	Michigan City
24	Michigan City High School	Michigan City
25	Mullen Elementary School	Michigan City
26	New Prairie Elementary	LaPorte County
27	New Prairie Schools	LaPorte County
28	Niemann Elementary Schools	Michigan City
29	Notre Dame Elementary School	Michigan City
30	Queen of All Saints School	Michigan City
31	Riley Elementary School	City of LaPorte
32	Rolling Prairie Elementary School	LaPorte County
33	Saint Stanislaus Kostka School	Michigan City
34	South Central Elementary/Jr/Sr High Schools	LaPorte County
35	Springfield Elementary School	LaPorte County
36	St. Paul Lutheran	Michigan City
37	Wanatah Elementary/Jr High School	LaPorte County
38	Westville Elementary/Jr/Sr High Schools	LaPorte County
39	A K Smith Area Career Center	Michigan City

Map ID	Wastewater	NFIP
1	Kingsbury Industrial Park Wastewater	LaPorte County
2	Kingsford Heights Wastewater	Kingsford Heights
3	LaCrosse Wastewater	LaPorte County
4	LaPorte Wastewater	City of LaPorte
5	Michigan City Wastewater	Michigan City
6	Wanatah Wastewater	LaPorte County
7	Westville Wastewater	LaPorte County

Map ID	Hazardous Materials	NFIP
1	Accurate Castings Incorporated	City of LaPorte
2	Aero Metals Incorporated	City of LaPorte
3	Alexander Chemical Corporation	LaPorte County
4	Alpha Baking Company	City of LaPorte
5	American Renolit Corporation	City of LaPorte
6	American Rubber Products Corporation	City of LaPorte
7	Amerigas Propane Limited Partnership	LaPorte County
8	Ampcor II, Inc.	City of LaPorte
9	ANR	LaPorte County
10	AT & T Corporation	LaPorte County
11	AT & T Indiana Telephone	Michigan City
12	Brown Incorporated	Michigan City
13	Casting Service	City of LaPorte
14	Chicago Faucet Company	Michigan City
15	Chicago South Shore & South Bend Railroad Freight Service	Michigan City
16	Co Alliance LLP Hanna Petroleum	LaPorte County
17	Co Alliance LLP Rolling Prairie Agronomy	LaPorte County
18	Co Alliance LLP Union Mills Agronomy	LaPorte County
19	Criterion Catalyst & Technologies LP	Michigan City
20	Crown Castle USA 874616	LaPorte County
21	Deercroft Recycling & Disposal Facility	LaPorte County
22	Dozens of Deals Incorporated	LaPorte County
23	ESM II Group Incorporated	LaPorte County
24	Family Express	LaPorte County
25	Family Express 11	Michigan City
26	Family Express 12	Michigan City
27	Family Express 16	LaPorte County
28	Family Express 24	City of LaPorte
29	Family Express 46	LaPorte County
30	Fas Pak Incorporated	Michigan City
31	Fas Pak Incorporated	City of LaPorte
32	Federal Mogul Corporation	Michigan City
33	Ferrellgas	LaPorte County
34	Frontier Communications	City of LaPorte
35	GAF Materials	Michigan City

Map ID	Hazardous Materials	NFIP
36	Harrison Engine Service Incorporated	City of LaPorte
37	Howmet Corporation La Porte Casting Division	City of LaPorte
38	Howmet Logistic Services Corporation	City of LaPorte
39	HRR Enterprises Incorporated	City of LaPorte
40	Illinois Tool Works Ramset Red Head	Michigan City
41	IN DOT La Porte Subdistrict	City of LaPorte
42	IN DOT Michigan City Unit	Michigan City
43	IN DOT New MC Unit	Michigan City
44	IN DOT Wanatah Unit	LaPorte County
45	Indiana State Prison	Michigan City
46	Indiana University Health La Porte Hospital	City of LaPorte
47	ITR Concession Company LLC Knute Rockne Travel Plaza	LaPorte County
48	ITR Concession Company LLC La Porte Maintenance Facility	LaPorte County
49	ITR Concession Company LLC Maintenance Storage Area	LaPorte County
50	Kankakee Valley Propane Service LLC	LaPorte County
51	Kankakee Valley Propane Services LLC	LaPorte County
52	Keystone Service, Inc.	City of LaPorte
53	Kingsbury Casting Division of Accurate Castings Incorporated	LaPorte County
54	Kingsbury Elevator Incorporated	LaPorte County
55	Kova Ag Products Incorporated	LaPorte County
56	LaPorte Community School Garage	City of LaPorte
57	La Porte High School	City of LaPorte
58	La Porte Sewage Department	City of LaPorte
59	Linde Incorporated	LaPorte County
60	Lowes Home Centers Incorporated 195	Michigan City
61	Lyon Workspace Products LLC	Michigan City
62	Meijer Store & Gas 149	Michigan City
63	Michiana Gas Service Incorporated	Michigan City
64	Michigan City Central Maintenance Department	Michigan City
65	Modine Manufacturing Comapny	City of LaPorte
66	Monosol LLC	City of LaPorte
67	New York Blower Company	City of LaPorte
68	NIPSCO Liquid Natural Gas Plant	LaPorte County
69	NIPSCO Michigan City Generating Station	Michigan City
70	Online Packaging Incorporated	Michigan City
71	Penske Truck Leasing Company Limited Partnership	City of LaPorte
72	Prairie Packaging LLC Plant 3	LaPorte County
73	Praxair	LaPorte County
74	Precoat Metals	LaPorte County
75	Purdue University North Central	LaPorte County
76	Rieth Riley Construction Company Incorporated 362	LaPorte County
77	Rotation Dynamics Corporation	City of LaPorte
78	Sager Metal Strip Company	Michigan City
79	Silgan Containers Corporation	City of LaPorte

Map ID	Hazardous Materials	NFIP
80	Smith Ready Mix	Michigan City
81	Speedway 6661	LaPorte County
82	Speedway 6748	LaPorte County
83	Speedway 8308	City of LaPorte
84	Speedway 8324	City of LaPorte
85	Stillwell Farm Fertilizer Incorporated	LaPorte County
86	Sullair LLC	Michigan City
87	Sullair LLC	Michigan City
87	Sullair LLC	City of LaPorte
88	Transit Mix Incorporated (Ozinga Ready Mix Concrete)	Michigan City
89	Triplex Plating Incorporated	LaPorte County
90	United Parcel Service Westville	Michigan City
91	United States Aluminate Company Incorporated	LaPorte County
92	VCNA Prairie Incorporated Yard 1121	LaPorte County
93	Vector	City of LaPorte
94	Verizon Wireless	Michigan City
95	Verizon Wireless	Michigan City
96	Verizon Wireless Freyer	LaPorte County
97	Verizon Wireless I 80 & RT 20	LaPorte County
98	Verizon Wireless RT 4	Michigan City
99	Vitamins Incorporated	LaPorte County
100	Waste Management of La Porte Transfer Station Waste Management of Indiana LLC	Michigan City
101	Weil McLain Division Marley Company	LaPorte County
102	Westville Correctional Center	LaPorte County
103	Westville Farm Supply	City of LaPorte

APPENDIX 5

USGS Stream Gage Locations and Major Waterways

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Stream Gage Locations	
Site Number	Site Name
04095250	East Branch Trail Cr Trib Nr Springville, Ind.
04095300	Trail Creek At Michigan City, In
04095380	Trail Creek At Michigan City Harbor, In
04096100	Galena River Near Laporte, In
05514740	Saugany Lake Near Rolling Prairie, In
05514741	Hudson Lake At Hudson Lake, In
05514900	Silver Lake Near Rolling Prairie, In
05515100	Little Kankakee River Nr Mill Creek, In
05515210	Lower Fish Lake Near Stillwell, In
05515220	Pine Lake At Laporte, Ind.
05515230	Stone Lake At Laporte, In
05515240	Clear Lake At Laporte, In
05515400	Kingsbury Creek Nr Laporte, Ind.
05515499	Whitham Ditch Near Hanna, In
05517120	Pitner Ditch Near La Crosse, In
05517550	Reeves Ditch Nr La Crosse, In

Major Waterways		
Barringer Ditch	Hillman Ditch	Reynolds Creek
Beck Ditch	Hoffman Arm	Rice Ditch
Bessler Ditch	Hundt Ditch	Richman Ditch
Bock Arm	Hunsley Ditch	Ridge Run
Bosserman Creek	Jensen Ditch	Ridgeway Arm
Breckenridge Ditch	Johanni Ditch	Robbins Ditch
Brown Ditch	Kankakee River	Roda Ditch
Bull Ditch	Kieffer Gruenke Ditch	Rosenbaum Arm
Chapman Arm	Kingsbury Creek	Salisbury Ditch
Cook Ditch	Kintzele Ditch	Sheldon Arm
County Line Ditch	Kline Arm	Slocum Ditch
Crooked Creek	Kuehn Ditch	South Arm Beck Ditch
Crumpacker Arm	Kyle Ditch	Spring Creek
Cusher Arm	Lee Ditch	Stassen Arm
Davidson Drain	Little Kankakee River	Stoltz Arm
Downing Arm	Long Ditch	Taylor Ditch
East Arm Little Calumet River	Lubke Arm	Trail Creek
East Branch Trail Creek	Marquardt Ditch	Travis Ditch
Eckert Ditch	Marsh Ditch	Warwick Ditch
Fell Arm	Maurey Ditch	Waterford Creek
Fish Creek	Mill Creek	West Arm Bull Ditch
Forbes Ditch	Moon Ditch	West Arm Ditch
Freyer Ditch	Murphy Arm	West Branch Trail Creek
Galena River	North Arm	White Ditch
Gloor Ditch	North Arm Beck Ditch	Whitham Ditch
Greiger Ditch	Old Channel Kankakee River	William Arm of Tuesburg Ditch
Gropp Ditch	Otter Creek	Winchell Arm
Guse Arm	Pine Creek	Wright Arm
Hanna Arm of Tuesburg Ditch	Pitner Ditch	Yellow River
Hickleson Ditch	Porter Ditch	
Hildebrandt Ditch	Reeves Ditch	

APPENDIX 6 NCDC HAZARD DATA

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The following data tables indicate those events that have impacted LaPorte 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 NCDL. For complete tables listing all incidents impacting LaPorte County, please visit

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

<u>Location</u>	<u>County/Zone</u>	<u>Date</u>	<u>Type</u>	<u>Dth</u>	<u>Inj</u>	<u>PrD</u>	<u>CrD</u>
LA PORTE	LA PORTE CO.	07/27/2006	Flash Flood	0	0	50.00K	0.00K
DILLON	LA PORTE CO.	01/08/2008	Flash Flood	0	0	150.00K	0.00K
LAKE PARK	LA PORTE CO.	09/13/2008	Flood	0	0	500.00K	0.00K
MICHIGAN CITY	LA PORTE CO.	07/28/2009	Flash Flood	0	0	250.00K	0.00K
MICHIGAN CITY	LA PORTE CO.	06/26/2013	Flash Flood	0	0	0.00K	0.00K
LA PORTE	LA PORTE CO.	07/18/2015	Flash Flood	0	0	0.00K	0.00K
Totals:				0	0	950.00K	0.00K

<u>Location</u>	<u>County/Zone</u>	<u>Date</u>	<u>Type</u>	<u>Dth</u>	<u>Inj</u>	<u>PrD</u>	<u>CrD</u>
LA PORTE (ZONE)	LA PORTE (ZONE)	01/19/2008	Cold/wind Chill	2	0	0.00K	0.00K
LA PORTE (ZONE)	LA PORTE (ZONE)	01/06/2014	Extreme Cold/wind Chill	0	0	0.00K	0.00K
LA PORTE (ZONE)	LA PORTE (ZONE)	01/08/2015	Extreme Cold/wind Chill	0	0	0.00K	0.00K
LA PORTE (ZONE)	LA PORTE (ZONE)	02/18/2015	Extreme Cold/wind Chill	0	0	0.00K	0.00K
Totals:				2	0	0.00K	0.00K

<u>Location</u>	<u>County/Zone</u>	<u>Date</u>	<u>Type</u>	<u>Dth</u>	<u>Inj</u>	<u>PrD</u>	<u>CrD</u>
SPRINGVILLE	LA PORTE CO.	04/26/2007	Tornado	0	0	40.00K	0.00K
SPRINGVILLE	LA PORTE CO.	04/26/2007	Tornado	0	1	40.00K	0.00K
LA PORTE (ZONE)	LA PORTE (ZONE)	02/11/2009	High Wind	0	0	0.00K	0.00K
LA PORTE (ZONE)	LA PORTE (ZONE)	09/28/2009	High Wind	0	0	0.00K	0.00K
LA PORTE (ZONE)	LA PORTE (ZONE)	10/06/2009	High Wind	0	0	0.00K	0.00K
LA PORTE (ZONE)	LA PORTE (ZONE)	12/09/2009	High Wind	0	0	0.00K	0.00K
WANATAH	LA PORTE CO.	10/26/2010	Tornado	0	0	500.00K	0.00K
ROLLING PRAIRIE	LA PORTE CO.	08/04/2012	Tornado	0	0	0.00K	0.00K
LA PORTE (ZONE)	LA PORTE (ZONE)	10/29/2012	High Wind	0	0	0.00K	0.00K
PINHOOK	LA PORTE CO.	06/30/2014	Tornado	0	0	0.00K	0.00K
TRACY	LA PORTE CO.	06/30/2014	Tornado	0	0	0.00K	0.00K
LA PORTE (ZONE)	LA PORTE (ZONE)	10/31/2014	High Wind	0	0	0.00K	0.00K
Totals:				0	1	580.00K	0.00K

<u>Location</u>	<u>County/Zone</u>	<u>Date</u>	<u>Type</u>	<u>Dth</u>	<u>Inj</u>	<u>PrD</u>	<u>CrD</u>
LA PORTE (ZONE)	LA PORTE (ZONE)	02/24/2007	Ice Storm	0	0	25.00K	0.00K
Totals:				0	0	25.00K	0.00K

APPENDIX 7 IMPLEMENTATION CHECKLIST

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MITIGATION PRACTICE	HAZARD ADDRESSED	PRIORITY	UPDATE STATUS	2021 STATUS
<p>Geographic Information Systems</p> <p>1. Update and coordinate GIS layers with location and attributes of critical infrastructure</p> <p>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.</p>	<input checked="" type="checkbox"/> Coastal Storm/Seiche <input checked="" type="checkbox"/> Earthquake <input checked="" type="checkbox"/> Extreme Temperature <input checked="" type="checkbox"/> Flooding <input checked="" type="checkbox"/> Tornado/Waterspout/Windstorm <input checked="" type="checkbox"/> Winter Storm/Ice <input checked="" type="checkbox"/> HazMat Incident	High	<p>Ongoing –</p> <p>1. GIS is used by several communities</p> <p>Proposed Enhancement –</p> <p>1. Coordinate consistent layers county-wide</p> <p>2. Additional training for GIS staff</p>	
<p>Public Education & Outreach</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, near hazmat facilities, etc. (2005 Measure)</p> <p>2. Post information/warning signs in local parks and other public gathering places explaining what to do in case of a hazard event.</p>	<input checked="" type="checkbox"/> Coastal Storm/Seiche <input checked="" type="checkbox"/> Earthquake <input checked="" type="checkbox"/> Extreme Temperature <input checked="" type="checkbox"/> Flooding <input checked="" type="checkbox"/> Tornado/Waterspout/Windstorm <input checked="" type="checkbox"/> Winter Storm/Ice <input checked="" type="checkbox"/> HazMat Incident	High	<p>Ongoing –</p> <p>1. Literature is provided at several public facilities and office locations as well as large public events throughout the County. Populations within the special flood hazard areas are educated through required flood insurance purchases and various website and literature pieces.</p> <p>Proposed Enhancement –</p> <p>1. Encourage the enhancement of the messages provided to various cultural groups and neighborhoods</p> <p>2. Post information in public places that describes what should be done and where to go during a hazard event</p>	
<p>Hazardous Materials Response Team</p> <p>1. Maintain LEPC reporting and training efforts as required through SARA Title III and ensure current facility maps and response plans are on file for Tier II facilities.</p> <p>2. Establish/maintain a local HMRT</p> <p>3. Increase number of personnel certified to OSHA III Technician level</p>	<input type="checkbox"/> Coastal Storm/Seiche <input type="checkbox"/> Earthquake <input type="checkbox"/> Extreme Temperature <input type="checkbox"/> Flooding <input type="checkbox"/> Tornado/Waterspout/Windstorm <input type="checkbox"/> Winter Storm/Ice <input checked="" type="checkbox"/> HazMat Incident	High	<p>Ongoing –</p> <p>1. Records are maintained for many Tier II facilities</p> <p>Proposed Enhancement –</p> <p>1. Efforts should be strengthened to ensure requirements are met.</p> <p>2. The local HMRT should be maintained with adequate staff and supplies</p> <p>3. Additional personnel should be trained to a higher response qualification as appropriate</p>	
<p>Land Use Planning & Zoning</p> <p>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</p>	<input checked="" type="checkbox"/> Coastal Storm/Seiche <input checked="" type="checkbox"/> Earthquake <input checked="" type="checkbox"/> Extreme Temperature <input checked="" type="checkbox"/> Flooding <input checked="" type="checkbox"/> Tornado/Waterspout/Windstorm <input checked="" type="checkbox"/> Winter Storm/Ice <input checked="" type="checkbox"/> HazMat Incident	High	<p>Ongoing –</p> <p>1. Hazard information has been incorporated into some areas of the Comprehensive Land Use Plan and Joint Zoning Ordinances</p> <p>Proposed Enhancement –</p> <p>1. Increase the number of hazards considered, more definitively outline higher risk areas and those that should be avoided for future development</p>	

MITIGATION PRACTICE	HAZARD ADDRESSED	PRIORITY	UPDATE STATUS	2021 STATUS
<p>Safe Rooms and Community Shelters</p> <ol style="list-style-type: none"> 1. Develop temporary and/or long-term shelter agreements within the County. Potential for tiered levels of shelters, domestic animal shelters, etc. 2. Educate the public regarding the importance of safe areas and/or community shelters in vulnerable locations 3. Advertise or announce locations of safe rooms and community shelters for large gatherings of people. (football games, 4H Fair, etc.) 	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Coastal Storm/Seiche <input checked="" type="checkbox"/> Earthquake <input checked="" type="checkbox"/> Extreme Temperature <input checked="" type="checkbox"/> Flooding <input checked="" type="checkbox"/> Tornado/Waterspout/Windstorm <input checked="" type="checkbox"/> Winter Storm/Ice <input checked="" type="checkbox"/> HazMat Incident 	<p>High</p>	<p>Ongoing –</p> <ol style="list-style-type: none"> 1. Local representatives work with Salvation Army to establish initial temporary shelters and fulfill needs 2. Some areas provide announcements prior to or during large gatherings <p>Proposed Enhancement –</p> <ol style="list-style-type: none"> 1. Increase the number of “pet friendly” shelters and shelters that are capable of housing moderate medically needy clients 2. Increase announcements and postings indicating the location of safe areas during large gatherings and events 	

MITIGATION PRACTICE	HAZARD ADDRESSED	PRIORITY	UPDATE STATUS	2021 STATUS
<p>Power Back-Up Generators</p> <ol style="list-style-type: none"> 1. Require wiring for large generator power back up be installed in all new critical infrastructure 2. Develop and adopt an ordinance requiring the burial of power lines in new development or require designed-failure mode that allows lines to fall or fail in small sections only. 	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Coastal Storm/Seiche <input checked="" type="checkbox"/> Earthquake <input checked="" type="checkbox"/> Extreme Temperature <input checked="" type="checkbox"/> Flooding <input checked="" type="checkbox"/> Tornado/Waterspout/Windstorm <input checked="" type="checkbox"/> Winter Storm/Ice <input checked="" type="checkbox"/> HazMat Incident 	<p>High <i>(wiring)</i></p> <p>Moderate <i>(ordinance)</i></p>	<p>Ongoing –</p> <p>Proposed Enhancements –</p> <ol style="list-style-type: none"> 1. Encourage new critical infrastructure is constructed with generator capabilities as feasible 2. Develop and adopt the ordinance 	
<p>Emergency Response & Recovery</p> <ol style="list-style-type: none"> 1. Utilize realistic training and exercises that stimulate response conditions and scenarios for emergency responders, decision-makers, and general public 2. Coordinate communications, documentation, and record keeping between NFIP communities and agencies including a database of accurate and community specific information following each hazard event s 3. Prepare evacuation plans for neighborhoods and/or mobile home parks in hazard areas 4. Designate and enforce snow routes with no street parking to allow for snow removal activities 5. Develop tiered levels of snow emergencies/advisories, etc. within municipalities, County, and DHS District 6. Develop and implement a voluntary immunization program for all emergency responders, inspection staff, and families 	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Coastal Storm/Seiche <input checked="" type="checkbox"/> Earthquake <input checked="" type="checkbox"/> Extreme Temperature <input checked="" type="checkbox"/> Flooding <input checked="" type="checkbox"/> Tornado/Waterspout/Windstorm <input checked="" type="checkbox"/> Winter Storm/Ice <input checked="" type="checkbox"/> HazMat Incident 	<p>High <i>(realistic exercises, communications, evacuation plans, snow routes, snow emergencies)</i></p> <p>Low <i>(immunizations)</i></p>	<p>Ongoing –</p> <ol style="list-style-type: none"> 1. Training exercises are routinely held. <p>Proposed Enhancement –</p> <ol style="list-style-type: none"> 1. Continue exercises and vary scenario to include various municipal departments 2. Coordinate communications and strengthen the relationship between the communities during response efforts. 3. Prepare evacuation plans for localized risk areas 4. Provide signage for snow routes and enforce restrictions 5. Adopt tiered levels of emergencies/advisories 6. Develop a wide-based immunization program 	
<p>Community Rating System</p> <ol style="list-style-type: none"> 1. Reduce flood insurance premiums through increased participation in the NFIP's CRS Program. <i>(2006 Measure)</i> <p><i>(Will assist with NFIP compliance)</i></p>	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Coastal Storm/Seiche <input type="checkbox"/> Earthquake <input type="checkbox"/> Extreme Temperature <input checked="" type="checkbox"/> Flooding <input type="checkbox"/> Tornado/Waterspout/Windstorm <input type="checkbox"/> Winter Storm/Ice <input type="checkbox"/> HazMat Incident 	<p>Moderate</p>	<p>Ongoing –</p> <ol style="list-style-type: none"> 1. None of the communities currently participate in CRS program <p>Proposed Enhancement –</p> <ol style="list-style-type: none"> 1. Participation from one or more NFIP Communities 	

MITIGATION PRACTICE	HAZARD ADDRESSED	PRIORITY	UPDATE STATUS	2021 STATUS
<p>Stormwater Management</p> <p>1. Implement the erosion and sediment control BMPs identified in the Storm Water Quality Management Plan</p>	<input checked="" type="checkbox"/> Coastal Storm/Seiche <input checked="" type="checkbox"/> Earthquake <input checked="" type="checkbox"/> Extreme Temperature <input checked="" type="checkbox"/> Flooding <input checked="" type="checkbox"/> Tornado/Waterspout/ Windstorm <input checked="" type="checkbox"/> Winter Storm/Ice <input checked="" type="checkbox"/> HazMat Incident	Moderate	<p>Ongoing –</p> <p>1. LaPorte County, City of LaPorte, and City of Michigan City have developed and routinely review the SWQMPs</p> <p>Proposed Enhancement –</p> <p>1. Continue to implement BMPs outlined in the SWQMP and enforce applicable stormwater ordinances</p>	
<p>Tree Maintenance</p> <p>1. Maintain trees on public property and right-of-ways and encourage maintenance on private property to reduce the risk of downed utility lines and falling limbs</p>	<input checked="" type="checkbox"/> Coastal Storm/Seiche <input checked="" type="checkbox"/> Earthquake <input checked="" type="checkbox"/> Extreme Temperature <input checked="" type="checkbox"/> Flooding <input checked="" type="checkbox"/> Tornado/Waterspout/ Windstorm <input checked="" type="checkbox"/> Winter Storm/Ice <input checked="" type="checkbox"/> HazMat Incident	Moderate	<p>Ongoing –</p> <p>1. Utility providers perform routine maintenance along ROW</p> <p>Proposed Enhancement –</p> <p>1. Encourage private landowners to perform maintenance or avoid planting improper trees and shrubs</p>	

APPENDIX 8

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

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

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>

Ms. Deanna Oware, Director
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

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

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

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

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.

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

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 9

CRS CHECKLIST

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510 FLOODPLAIN MANAGEMENT PLANNING

CRS Checklist - from Activity Worksheet 510-1 and CRS Coordinator's Manual 2006

CRS 10-Step Planning Process	Max. Points	Est. Points	Comments
1. Organize and Prepare the Plan	10	8	
<i>Supervision or direction of a professional planner</i>	2	2	<i>Sheila McKinley, CBBEL Project Manager AICP #017260</i>
<i>Planning committee of department staff</i>	6	6	<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	
2. Involve the Public	85	55	
<i>Planning process conducted through a planning committee</i>	40	40	<i>Appendix 2 contains Planning Committee meeting agendas and summaries; Planning Committee reviewed draft MHMP, attended public meeting, 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 the Indianapolis webpage, DHS office, Planning Office</i>
<i>Questionnaires asks the public for information</i>	5	0	
<i>Recommendations are solicited from advisory groups, etc.</i>	5	0	
<i>Other public information activities to encourage input</i>	5	0	
3. Coordinate With Other Agencies	25	21	
<i>Review of existing studies and plans (required)</i>	3	3	<i>Conducted a Community Capability Assessment to better understand existing mitigation programs, policies, and projects</i>
<i>Invited neighboring communities and other agencies (required)</i>	1	1	<i>Appendix 3 includes the invitation sent to the surrounding County EMA Directors; IDNR and IDHS involved in planning process</i>
<i>Contacted communities and NFIP and EM agencies</i>	4	4	<i>NFIP Floodplain Administrators participated as Planning Committee members; planning effort lead by DHS Assistant to the Chief</i>
<i>NWS, ARC and others are asked how they can help community</i>	4	0	
<i>Meetings are held with agencies on mitigation strategies</i>	10	10	<i>IDHS Mitigation Officer participated in the Planning Committee meeting where Mitigation Practices were identified and implementation steps discussed</i>
<i>Draft action plan sent to agencies for comments</i>	3	3	<i>Draft MHMP made available for IDNR and IDHS to review and comment</i>
4. Assess the Hazard	20	20	
<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>Describes other natural hazards (required DMA)</i>	5	5	<i>Section includes information related to Drought; Earthquake; Extreme Temp, Flood; Hailstorm, Thunderstorm, and Windstorm; Tornado ; Snow Storm and Ice; Dam & Levee Failure; Hazardous Materials; Structural Fire, and Civil Disturbance</i>
5. Assess the Problem	35	30	
<i>Summary of hazard and impact on community (required)</i>	2	2	<i>Section 3.0 includes Historic Data and Vulnerability Assessment for each hazard (Drought; Earthquake; Extreme temp, Flood; Hailstorm, Thunderstorm, and Windstorm; Tornado ; Snow Storm and Ice; Dam & Levee Failure; Hazardous Materials; Structural Fire; and Civil Disturbance)</i>
<i>Procedures for warning and evacuation</i>	5	5	<i>Section 4 "Emergency Services", "Public Information", and Table 4-1 "Emergency Warning Systems" and "Emergency Response & Recovery" identifies existing and proposed systems for early warning and detection</i>
<i>Impact on critical facilities and infrastructure</i>	5	5	<i>Section 3.0 includes a Vulnerability Assessment for each hazard (Drought; Earthquake; Extreme Temp, Flood; Hailstorm, Thunderstorm, and Windstorm; Tornado ; Snow Storm and Ice; Dam & Levee Failure; Hazardous Materials; Structural Fire; and Civil Disturbance) 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 CRS Coordinator's Manual 2006

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 Temp, Flood; Hailstorm, Thunderstorm, and Windstorm; Tornado ; Snow Storm and Ice; Dam & Levee Failure; Hazardous Materials; Structural Fire; and Civil Disturbance) that specifies (where possible) the number of critical facilities that would be impacted</i>
<i>Review of all flood insurance claims</i>	4	4	<i>Table list flood insurance claims</i>
<i>Natural and beneficial function of natural areas</i>	4	4	<i>Section 3 discusses the natural and beneficial function of floodplains for flood storage</i>
<i>Development, redevelopment, and population trends</i>	5	5	<i>Section2 discusses population and demographics</i>
6. Set Goals	2	2	<i>Section 4.1 list goal for MHMP - to reduce social, physical, and economic losses from hazards</i>
7. Review Possible Activities	30	30	
<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>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>
8. Draft Action Plan	70	60	
<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 DHS 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>Recommendations from Habitat Conservation Plan</i>	10	0	
<i>Action items for mitigation other hazards</i>	5	5	<i>Table 4-1 includes Mitigation Practices for Drought; Earthquake; Extreme Temp, Flood; Hailstorm, Thunderstorm, and Windstorm; Tornado ; Snow Storm and Ice; Dam & Levee Failure; Hazardous Materials; Structural Fire; and Civil Disturbance; Section 5.0 includes an Implementation Plan for High Priority Mitigation Practices</i>
9. Adopt the Plan	2	0	
10. Implement, Evaluate and Revise	15	15	
<i>Procedures to monitor and recommend revisions (required)</i>	5	5	<i>Section 6.1 includes a process to monitor, evaluate, and update the MHMP; effort to be led by DHS Director</i>
<i>Plan evaluated by same (or equally qualified) planning committee</i>	10	10	<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>
FLOODPLAIN MANAGEMENT PLAN	294	241	
REPETITIVE LOSS AREA ANALYSIS	50	0	
HABITAT CONSERVATION PLAN	15	0	
TOTAL	359	241	