

Evansville – Vanderburgh County Multi-Hazard Mitigation Plan

APPENDIX A – PLANNING PROCESS

The DMA planning regulations and guidance ardently stress that each local government seeking the required FEMA approval of their mitigation plan must participate in the process. The Community Planning Team (CPT) is composed of City/County staff and stakeholders and has been adopted by resolution by both the City (#C-2004-5) and County Councils. The following members participated on the Community Planning Team:

Attendee	Agency / Company	Phone	E-mail
Sherman G. Greer	EMA	(812) 435-6020	sgreer@evansvilleema.com
Adam Groupe	EMA	(812) 435-6020	agroupe@evansvilleema.com
Roger Lehman, CBO	Building Commission	(812) 436-7867	rlehman@evansville.net
Steve Fuchs	Building Commission	(812) 436 – 7868	sfuchs@buildevansville.com
Rob Brown	Building Commission	(812) 435-2350	terny@buildevansville.com
Christine Martin	DRC	(812) 425-8401	drc@swidrcc.org
Brad Mills	Area Planning Commission	(812) 435 – 5226	bmills@evansvilleapc.com
John N. Ansbro, AICP	Area Planning Commission	(812) 435-5226	jansbro@evansvilleapc.com
Patrick Keepes	City Engineer	(812) 436 – 4990	pkeepes@evansvillepublicworks.com
Jim Magary	Evansville Police	(812) 435-6195	jmagary@evansvillepolice.com
Ron Fields	National Weather Service	(812) 422-5007	ron.fields@noaa.gov
Dennis Au	Department Metro Development	(812) 435-7823 (812) 435-6030	dau@evansvillegov.org
Ken Zuber	Evansville Fire	(812) 435-6235	kzuber@evansvillefiredepartment.com

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DMA planning regulations and guidance ardently stress public participation in the mitigation planning process. This is partially accomplished by inviting public “stakeholders” to serve on, or as, a “Public Input Advisory Committee” (PIAC) to the Community Planning Team (CPT). The following members participated on the PIAC:

Attendee	Agency / Company	Phone	E-mail
Keith Goy (Justin Manning)	County Health Department	435-5695	jinmanning@juno.com
Rick Mills	Mills-Wallace & Associates	425-6181	rmills@mills-wallace.com
Mike Singer	Vectren Power Supply	49-4627	msinger@vectren.com
John Bittner	Rural Community Representative	963-5647	BeeG401127@dynasty.net
Kathy Schoettlin	Red Cross	471-7200	kschoettlin@arcswin.org
Lauren Preske	SWCD , Sustainable Evansville	985-3151	preskes@hotmail.com
John Petkovsek	David Matthews Associates	434-6714	snorko@evansville.net
Jim Daniels	Solid Waste District	436-7801	jdaniels@vanderburghgov.org
Paul W. Farmer	United Neighborhood of Evansville	963-5153	Wileyfox603@aol.com
Bill Pedtke	Builders Association	479-6026	bpedtke@SIBAonline.org
John Stoll	County Engineer	435-5773	jstoll@vanderburghgov.org
Tom Barnett	Deaconess Hospital	450-3432	Tom_Barnett@deaconess.com
Ron Heuze	Evansville-Vanderburgh Public Library	428-8232	ronh@evpl.org
Matt Meadors	Evansville Chamber of Commerce	421-5885	mmeadors@evansvillechamber.com
Tom Effinger	EMC	424-7768	teffinger@emcevv.com
Rick Schnawtz	Sheriffs Office	435-5423	rschnawtz@vanderburghsheriff.com
Art Gann	Bristol-Myers	429-7931	Arthur.gann@bms.com
Danny Spindler			
Lynnae Wilson	Vectren	491-4764	LKWilson@vectren.com
Nelson Ford	Fifth Third Bank	456-3872	Nelson.Ford@53.com
Patrick Sieb	County Engineer	435-5773	Pseib@vanderburghgov.org
Steve Bagbey	City Council	436-4996	Sbagbey@evansville-diocese.org

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RESOLUTION

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MEETING MINUTES

The CPT met six times during the planning process. Meeting dates were scheduled for the 2nd Thursday of each month:

- January 8th – Kickoff Meeting
- March 11th – Hazard Identification
- April 8th – Risk Assessment and Goal Setting
- May 12th – Review Possible Mitigation Activities
- June 10th – Review Draft Plan
- July 13th – PUBLIC MEETING
- August 12th – Review Public Input Comments; Draft / Final Plan

The PAIC met five times during the planning process. Meeting dates were also scheduled for the 2nd Thursday of each month:

- March 11th – Kickoff Meeting and Hazard Identification
- April 8th – Risk Assessment and Goal Setting
- May 12th – Review Possible Mitigation Activities
- June 10th – Review Draft Plan
- July 13th – PUBLIC MEETING

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MEETING MINUTES
Evansville and Vanderburgh County's
All-Hazards, DMA Compliant, CRS Enhancing Mitigation Plan

Community Planning Team

Meeting #1 – Project Kickoff Meeting

9:30 – 11:30 AM, January 8, 2004

1. Introductions

The kick-off meeting was attended by the following:

Attendee	Agency / Company	Phone	E-mail
Cindy Popplewell	AMEC	(615) 333-0630	Cynthia.Popplewell@amec.com
Clancy Philipsborn	AMEC	(303) 742-5333	Clancy.Philipsborn@amec.com
John N. Ansbro	Area Planning Commission	(812) 435-5226	jansbro@evansvilleapc.com
Sherman G. Greer	EMA	(812) 435-6020	sgreer@evansvilleema.com
Adam Groupe	EMA	(812) 435-6020	agroupe@evansvilleema.com
Roger Lehman, CBO	Building Commission	(812) 436-7867	rlehman@evansville.net
Rob Brown	Building Commission	(812) 435-2351	rbrown@buildevansville.com
Travis Erny	Building Commission	(812) 435-2350	terny@buildevansville.com
Christine Martin	DRC	(812) 425-8401	drc@swidrc.org

2. Meeting Folder Review

Project notebooks were distributed to the kick-off meeting attendees. The notebook contains the project scope; DMA 2000 federal regulations; and Meeting #1 agenda and slide presentation. The project notebooks are intended to organize and assist the Community Planning Team in the plan preparation process.

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3. Mitigation, Mitigation Planning, & the Disaster Mitigation Act Requirements

Slide presentation discussed DMA regulations, the planning process, and outlined planning steps #1 – Organization; #2 – Public Input; and #3 – Coordination with Other Agencies. All slides are included in the project notebook, behind tab 1.

4. The Role of the Community Planning Team

The DMA planning regulations and guidance ardently stress that each local government seeking the required FEMA approval of their mitigation plan must participate in the process. “Participation” means local government representatives will:

- Attend the Community Planning Team meetings;
- Provide available data that is requested by AMEC;
- Review and provide/coordinate comments on the DRAFT plans;
- Advertise, coordinate and participate in the public input process; and
- Coordinate the formal adoption of the plan by City/County Council and/or local City Council, as appropriate.

The make up of the Community Planning Team (CPT) was discussed. The CPT will be composed of City/County staff and stakeholders. The following departments were suggested to compose the team:

Department	Representative
Emergency Management Agency	Sherman Greer
	Adam Groupe
Building Commission	Roger Lehman
	Steve Fuchs*
	Rob Brown
	Travis Erny
Area Planning Commission	John Ansbro
Disaster Resistant Community	Christine Martin
City Engineer	To be selected
County Engineer	To be selected
Housing and Code Enforcement	To be selected
Metropolitan Development	To be selected
City Water / Sewer	Jim Cameron
Incorporated Cities	
Damstadt	To be selected

* CPT Chair

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Each municipality (Incorporated City) that wants the *Multi-Hazard Mitigation Plan* to qualify them for FEMA mitigation grants or Community Rating System credit must have at least one representative on the CPT.

The CPT is expected to meet six times during the planning process. Suggested dates for the remaining five meetings include:

- March 11th – 2nd Thursday of the Month;
- April 15th – 3rd Thursday of the Month;
- May 20th – 3rd Thursday of the Month;
- June 17th – 3rd Thursday of the Month; and
- July 15th – 3rd Thursday of the Month.

5. Planning for Public Input

To maximize CRS credits, a 50/50 mixture of community officials and public “stakeholders” is required. This will be accomplished by inviting public “stakeholders” to serve on a “Public Input Advisory Committee” (PIAC) to the CPT. The PIAC will be comprised of an equal or greater number of representatives than the CPT.

PIAC meetings are suggested to coincide with the CPT and should be scheduled following the CPT meeting.

The make up of the Public Input Advisory Committee was also discussed. The following stakeholders were suggested to compose the PIAC:

Department	Representative	Phone
Southwestern Indiana Building Association	Bill Pedtke	(812) 479-6026
West Side Improvement Association	Fred Padget	
United Neighborhoods of Evansville (UNOE)	Paul Farmer	(812) 428-4243
Vectren Company – Gas and Electric	Doug Petitt	(812) 491-4244
Parks and Recreation	Gail Reiken	(812) 435-6141
Disaster Recovery Business Alliance (DRBA)	Art Gann	
American Red Cross	Kathy Schoetlin	(812) 471-7200
Historical Preservation	Dennis Au	(812) 436-7823
Public Library	Marcy Au	(812) 428-8204

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6. Coordinating with Other Agencies

Other representatives, including state and federal agencies, will be asked to join the CPT, as necessary. Likely candidates include:

- FEMA;
- National Weather Service (NWS);
- U.S. Army Corps of Engineers (USACE);
- National Resource Conservation Service (NRCS);
- United States Geological Survey (USGS);
- Indiana State Emergency Management Agency (SEMA);
- Indiana Department of Natural Resources, Water Division; and
- Indiana State NFIP Coordinator.

These agencies and organizations involved in hazard mitigation will be contacted and, in the case of the more active ones, will be visited and interviewed. The objective is to determine what activities these agencies and organizations are currently implementing that impact hazard mitigation and what things which could be done to help mitigate losses in the area.

The draft *Multi-Hazard Mitigation Plan* will be sent to these agencies and organizations for their review. Comments will be requested before the final public meeting.

7. Deliverables

The following deliverables will be provided as a result of the kick-off meeting.

- Draft text for resolution for the City-County Council to create the Community Planning Team and Public Input Advisory Committee, specifying its duties and appointing the chair or co-chairs.
- Draft text for resolution for the municipality - Darmstadt, committing them to cooperate with the effort and participate in the process. The resolution will identify the community's level of effort and who will represent it.
- Draft text for press releases that explain the project. The press releases will include information on how people can participate and submit their comments or concerns. Members of the CPT will be encouraged to provide the press release to their community newsletters and other local media.
- Draft text for website will be created to keep inquirers abreast of progress and to solicit their input. It will include items such as information on the planning process, the schedule of CPT meetings, and a questionnaire on people's hazard experiences and recommendations.
- Invitations to appropriate coordinating agencies.

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8. Information Received

The following materials were provided by the representatives of the CPT at the kick-off meeting:

- Evansville and Vanderburgh County Emergency Management Ordinance
- Evansville and Vanderburgh County; Area Planning Commission; 1996-2015 Comprehensive Plan
- Evansville, IN – Eggert Maps
- Hard copy maps – Vanderburgh County FEMA Flood Zone Boundary and Drainage Basis

9. Next Meeting

The second meeting of the CPT is tentatively scheduled for Thursday, March 11th. Following the assimilation, compilation and analysis of all the Hazard Identification data collected, AMEC will then reconvene the 2nd meeting of the CPT. The Hazard Identification data will be presented, and the next Planning Step - Vulnerability and Capability Assessments, will be explained to the CPT members.

The first meeting of the PIAC is also anticipated to follow the CPT meeting. This meeting will be similar to the CPT meeting, presenting the hazard identification, as well as include a portion of the introductory information from CPT Meeting #1.

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MEETING MINUTES
Evansville and Vanderburgh County's
All-Hazards, DMA Compliant, CRS Enhancing Mitigation Plan

Community Planning Team

Meeting #2 – Hazard Identification

9:00 – 11:30 AM, March 11, 2004

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1. Attendance

The DMA planning regulations and guidance ardently stress that each local government seeking the required FEMA approval of their mitigation plan must participate in the process. The Community Planning Team (CPT) is composed of City/County staff and stakeholders and has been adopted by resolution by both the City (#C-2004-5) and County Councils. The following members attended the second CPT meeting:

Attendee	Agency / Company	Phone	E-mail
Steve Fuchs	Building Commission	(812) 436 – 7868	sfuchs@buildevansville.com
Travis Erny	Building Commission	(812) 435-2350	terny@buildevansville.com
Christine Martin	DRC	(812) 425-8401	drc@swidrc.org
Brad Mills	Area Planning Commission	(812) 435 – 5226	bmills@evansvilleapc.com
Patrick Keepses	City Engineer	(812) 436 – 4990	pkeepes@evansvillepublicworks.com
John N. Ansbro	Area Planning Commission	(812) 435-5226	jansbro@evansvilleapc.com
Adam Groupe	EMA	(812) 435-6020	agroupe@evansvilleema.com
Sherman G. Greer	EMA	(812) 435-6020	sgreer@evansvilleema.com
Roger Lehman, CBO	Building Commission	(812) 436-7867	rlehman@evansville.net
Cindy Popplewell	AMEC	(615) 333-0630	Cynthia.Popplewell@amec.com



The CPT is scheduled to meet six times during the planning process. Meeting dates are scheduled for the 2nd Thursday of each month:

- January 8th – Kickoff Meeting
- March 11th – Hazard Identification
- **April 8th – Risk Assessment and Goal Setting**
- **May 13th – Review Possible Mitigation Activities**
- **June 10th – Draft Plan**
- **July 8th – Draft / Final Plan**

2. Review of the Planning Process

Slide presentation reviewed the mitigation planning process, and outlined planning steps #4 and #5 – Hazard Identification and Risk Assessment. All review slides were included in the Kickoff Meeting presentation and are located in the project notebook behind tab 1.

3. Presentation and Review of Community Hazard Identification Data

The Draft Hazard Identification was distributed to the CPT. The hazard identification includes details on the causes of hazards, the likelihood of occurrence, severity, and extent of areas affected. The natural hazards identified and investigated in the Evansville-Vanderburgh County area include:

- Dam and Levee Failure
- Drought;
- Earthquake;
- Extreme Temperatures;
- Flood;
- Infestations;
- Liquefaction;
- Mine Subsidence;
- Thunderstorms / High Winds;
- Tornadoes;
- Wildfires; and
- Winter Storms

The CPT discussed each natural hazard and associated historical events. An additional two week comment period will allow the CPT to further review the documents and return any questions or comments to Cindy Popplewell – March 25th Deadline.

All comments from the CPT and Public Input Advisory Committee will be incorporated into a single document for final review and placement on the community website.

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4. Data Collection Needs

During the preparation of the hazard identification, missing or limited data was identified and existing capabilities were noted. The CPT provided either contact names or agreed to provide information. The following action items / deliverables were noted during the meeting:

Area Planning Commission – Brad Mills; John Ansbro

- Number of NFIP Policies
- Copy of Zoning Ordinance

Building Commission – Steve Fuchs

- Copy of Building Code design standard for wind
- Copy of Subdivision Ordinance
- Copy of NFIP/FPM Ordinance

City Engineer – Patrick Keepes

- Copy of Stormwater Masterplan

County Highway Garage – Dennis Hudnall (812) 435-5777

- SOP for utilizing temporary barricades/gates

Disaster Resistant Community – Christine Martin

- Project Impact Summary
- Safe Room Concept

EMA – Adam Groupe

- Severe Weather Plan
- List of critical facilities
- StormReady Application
- Summary of Flood Fight Class
- Shapefile / Map of siren locations and buffer zone
- Copy of Local Emergency Operations Plan

EPA – Donna Burgman

- Historical list of bans on burning – Donna Burgman; IDEM; Newspaper Archives

GIS – Travis Erny; Rob Brown

- Shapefile of earthquake fault lines
- Shapefile of drainage basins
- CSO Area
- Mine locations
- Evacuation / Snow Routes
- Number of Floodprone Buildings – Number located within Floodplain

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Health Department – Justin Manning (812) 435-5695

- Existing Treatment process for West Nile
- Record of positive cases

Levee Authority – Bob Mangold (812) 435 - 6137

- Map of Levee/Pump System
- Levee – Operations and Maintenance Manual

Library

- Historic Information/Photographs of 1937 flood
- Information on 1937 – ice jam relationship
- Historical list of bans on burning – Newspaper Archives

National Weather Service

- List of Historical heat/wind chill advisories
- Additional information on AWOS and ASOS at Evansville Airport

Police

- Community Police Center – Effort in cold temperatures to provide for homeless

Purdue Extension Office – Larry Capland

- Crop damage information

Evansville Area Association of Realtors

- Disclosure effort/procedure for floodplains and mine subsidence

Red Cross – Kathy Schoettlin (812) 471-7200

- Record of “Kool-aid” Centers
- List of flood victims (addresses) which have utilized the facility

Evansville Vanderburgh School Corporation – Randy Heidorn (812) 435-8376

- SOP for school closings/delays

USGS – Tom Noce

- Summary of current study efforts

Vectren Power Supply – Mike Singer

- Record of power outages to associate with hazard events
- Record of downed trees, powerlines, utility poles, etc.
- Database of utility infrastructure

Water/Sewer Utility

- Database of utility infrastructure

The existing capabilities of the City and County to mitigate disasters and the impacts of hazard events was also discussed.

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Capability	Evansville – Vanderburgh County
Comprehensive Plan	1996-2005 Comprehensive Plan; Area Planning Commission Updated plan through 2025 will be completed in Fall of 2004
Land Use Plan	Included within Comprehensive Plan
Subdivision Ord	Yes, Available on City/County website
Zoning Ordinance	Yes, Available on City/County website
NFIP/FPM Ordinance	Yes, Available from Building Commission
- Map Date	City 1981; County 1991
- Substantial Damage language?	Yes, Available in FPM ordinance
- Certified Floodplain Manager?	Yes; Steve Fuchs Travis Erny Rob Brown
- # of Floodprone Buildings?	To be supplied by Building Commission
- # of NFIP policies	To be supplied by Area Planning Commission; John Ambrose
- Maintain Elevation Certificates?	Yes; Responsibility of Building Commission
- # of Repetitive Losses?	To be supplied by Building Commission
CRS Rating, if applicable	Evansville - 9; Vanderburgh County - 8
Stormwater Program?	City Stormwater Masterplan 1997; 80 projects included; Available from City Engineer; and County Surveyors Office has stormwater ordinance
Building Code Version	2000 IBC; 2000 IRC
Full-time Building Official	Yes
- Conduct "as-built" Inspections?	Yes
BCEGS Rating	Residential – 4; Commercial – 4
Local Emergency Operations Plan	Yes
Hazard Mitigation Plan	Community Comprehensive Hazard Analysis – 2003
Warning System in Place?	
- Storm Ready Certified?	Yes
- Weather Radio reception?	Transmitter in County
- Outdoor Warning Sirens?	Yes – 22 sirens, 3 to be added; Tested weekly
- Emergency Notification (R-911)?	Yes
- Other? (e.g., cable over-ride)	Full EIS; Alphasager to Community
GIS System?	Yes
- Hazard Data?	Floodplains; Earthquake Fault Lines
- Building footprints?	Yes
- Tied to Assessor data?	Yes by parcel number – not equivalent GIS Shapefile
- Land-Use designations?	Zoning
Structural Protection Projects	Retrofit Fire Stations; Preschool Centers; Emergency Rooms; Safe Rooms; Deep Water Well; Highway 41 4H Center
Property Owner Protection Projects	Water Heater Strapping – DRC; Habitat Homes strapping roofs; Building Commission recommends hurricane clips to contractors
Critical Facilities Protected?	Yes (see structural protection projects)
Natural Resources Inventory?	DNR / SCS
Cultural Resources Inventory?	See Comprehensive Plan
Erosion Control procedures?	IDEM Rule 5; Erosion Ordinance in City and County
Sediment Control procedures?	IDEM Rule 13
Public Information Program/Outlet	EMA / DNR / Bldg Commission
Environmental Education Program?	Zoo; Wesselman Woods; School Corporation



4. Next Meeting

The third meeting of the CPT is scheduled for Thursday, April 8th. The Risk Assessment will be presented, Mitigation Goals will be developed and the next Planning Step – Review Possible Activities, will be explained to the CPT members.

The second meeting of the PIAC is also anticipated to follow the CPT meeting. This meeting will be similar to the CPT meeting, presenting the Risk Assessment and setting Planning Goals.

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MEETING MINUTES
Evansville and Vanderburgh County's
All-Hazards, DMA Compliant, CRS Enhancing Mitigation Plan

Community Planning Team

Meeting #3 – Risk Assessment and Goal Setting

9:00 – 11:30 AM, April 8, 2004

1. Attendance

The DMA planning regulations and guidance ardently stress that each local government seeking the required FEMA approval of their mitigation plan must participate in the process. The Community Planning Team (CPT) is composed of City/County staff and stakeholders and has been adopted by resolution by both the City (#C-2004-5) and County Councils. The following members attended the second CPT meeting:

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Attendee	Agency / Company	Phone	E-mail
Steve Fuchs	Building Commission	(812) 436 – 7868	sfuchs@buildevansville.com
Brad Mills	Area Planning Commission	(812) 435 – 5226	bmills@evansvilleapc.com
Sherman G. Greer	EMA	(812) 435-6020	sgreer@evansvilleema.com
Jim Magary	Evansville Police	(812) 435-6195	jmagary@evansvillepolice.com
Ron Fields	National Weather Service	(812) 422-5007	ron.fields@noaa.gov
Dennis Au	Department Metro Development	(812) 435-7823 (812) 435-6030	dau@evansvillegov.org
Ken Zuber	Evansville Fire	(812) 435-6235	kzuber@evansvillefiredepartment.com
Adam Groupe*	EMA	(812) 435-6020	agroupe@evansvilleema.com
Roger Lehman*	Building Commission	(812) 436-7867	rlehman@evansville.net
Cindy Popplewell	AMEC	(615) 333-0630	Cynthia.Popplewell@amec.com

* CPT Members which attended the Public Input Advisory Committee Meeting, April 8th, 2:00 pm



The CPT is scheduled to meet six times during the planning process. Meeting dates are scheduled for the 2nd Thursday of each month:

- January 8th – Kickoff Meeting
- March 11th – Hazard Identification
- April 8th – Risk Assessment and Goal Setting
- **May 12th – Review Possible Mitigation Activities – Please note this is a change to a Wednesday Meeting**
- **June 10th – Review Draft Plan**
- **July 8th – Review Public Input Comments; Draft / Final Plan**

2. Update on Status of the Planning Process

Step 1. Get Organized - COMPLETED

Step 2. Plan for Public Involvement – PIAC formed, Public Meetings to be held

Step 3. Coordinate with Other Departments - COMPLETED

Step 4. Identify the Hazards

In order to complete the Hazard Identification, the following items will be collected and/or incorporated:

- Comments from Jan Crider
- Past Occurrences of Liquefaction
- Updating Flood Section with information from City Engineer – Stormwater Master Plan
- NFIP Information – need to contact State NFIP Coordinator – and obtain policy count – by address, city, county, amount, and claims paid
- Additional Levee system information
- Need utility information for mapping vulnerability purposes.
- Code for parcels to locate schools, hospitals, etc.
- More specific Emergency Siren location information

Step 5. Assess the Risks – IN PROCESS

Step 6. Set Planning Goals - COMPLETED

Step 7. Review Possible Activities

Step 8. Draft an Action Plan

Step 9. Adopt the Plan

Step 10. Implement the Plan, Evaluate its Worth, and Revise as Needed.

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3. Goal Setting

Up to now, the CPT has been involved in talking to agencies and organizations and collecting and recording facts. From these discussions we have produced:

1. The Hazard Identification, and
2. The Vulnerability Assessment

Which have “painted a picture” of the vulnerability of Evansville and Vanderburgh County to natural hazards. We have learned that:

1. Stream system and neighborhood flooding continues to be a significant threat to the community
2. Earthquakes pose a moderate threat
3. Most meteorological and natural biological hazards occur periodically (drought, extreme temperatures, infestations, mine subsidence, severe thunderstorms/high wind, tornadoes, and severe winter storms), but do not constitute a significant on-going threat.

Through a Mitigation Capability Assessment, describing the current ability of Evansville and Vanderburgh County to counter these threats through existing policies, regulations, programs, and procedures, we have learned that:

1. Flood insurance is available, but need information on number of the policies currently in force.
2. Repetitive loss “areas” need to be coordinated with existing stormwater master for the City of Evansville.
3. Building Codes contain seismic safety elements.
4. Building Codes contain design wind elements.
5. Zoning Ordinance references Floodway District – is this enforced / utilized?
6. Disaster Resistant Communities Program coinciding with Project Impact has outlined several public information and structural projects.
7. Public information could be made available to inform residents about the risks from hazards (earthquakes, floods, and tornadoes predominantly) and appropriate risk reduction actions that they can undertake.
8. The County has a solid Emergency Management Program.
9. Community is seeking to improve Warning Capabilities.

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Our analysis has identified areas where improvements could or should be made. Formulating Goals will lead us to incorporating these improvements into the Mitigation Plan. Our planning goals should provide direction for what should be done about all this.

Goals were defined for the community in three areas: Public Education, Public Health and Safety and Local Data / Technology.

PUBLIC EDUCATION

GOAL: Implement a comprehensive Public Education campaign regarding the hazards posing significant risk to Evansville and Vanderburgh County.

Objective: *Promote awareness of Hazards and Vulnerability among citizens, business, industry and government.*

Potential Mitigation Activities:

1. Make past hazard loss data available
2. Make Hazard risk maps available
3. Conduct an annual “Hazards Awareness Week”

Objective: *Provide information on Hazard Mitigation alternatives and their respective costs, benefit, and impacts.*

Potential Mitigation Activities:

1. Work with Building Materials suppliers on hazard-specific measures, techniques and materials
2. Work with Homebuilders Associations (trade shows, etc)

Objective: *Ensure that the information provided is accurate and consistent.*

Potential Mitigation Activities:

1. Establish an interagency Coordination committee to review/revise all public information priori to its release

Objective: *Promote hazard mitigation as a public value in recognition of its importance to the health, safety, and welfare of the population.*

Potential Mitigation Activities:

1. Incorporate Hazard Mitigation into other community goals, plans, programs and policies
2. Monitor and publicize the effectiveness of mitigation measures implemented in the community

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Objective: Strengthen communication and coordination between public agencies, citizens, non-profit organizations, business, and industry to create a widespread interest in hazard mitigation.

Potential Mitigation Activities:

1. Interface with the federal government to provide technical and financial assistance to the community.
2. Build and support local partnerships for joint training and educational purposes.
3. Encourage participation of property owners in investing in hazard mitigation projects on their own property.

CPT and PAIC Suggestions:

- Consistent Message
- Increase awareness of flood prone areas and protection
- Make Evansville-Vanderburgh County more aware of seismic hazard and risk
- Work with Fire Department to supplement and/or piggyback to reach schools
- Property specific education – Mailings
- Education of Hazards, Mitigation efforts/progress, and emergency procedures
- Increase public awareness of vulnerability to hazards
- Educate homeowners
- Increase public awareness of vulnerability
- Reduce exposure to hazard related losses
- Education-Education-Education for homeowners, neighborhoods, landlords, etc.
- Increase disaster preparedness activities in schools and include home preparedness. Programs are available, challenge is implementing
- Provide specific instructions in the event of any disaster
- Identify Federal requirements for use of Federal disaster relief – Flood insurance, Section 106.
- Identify institutions that have their own disaster plans with contact information. List contact information. Archive copies of these individual disaster plans.
- Identify institutions and sites that have special needs in disasters. Encourage institutions, sites, and businesses to develop disaster plans.
- Coordination between state, local, and federal governments
- High rises / disaster plans / evacuation plan

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PUBLIC HEALTH AND SAFETY

GOAL: Reduce exposure to hazard related losses, before and after disaster strikes.

Objective: *Implement a Pre-Disaster mitigation Program.*

Potential Mitigation Activities:

1. Protect Future Development
 - a. Incorporate Hazard data and management strategies within the comprehensive plan
 - b. Designate hazardous areas for compatible land-uses
 - c. Regulate hazardous conditions through zoning and subdivision regulations

Objective: *Implement a Post-Disaster mitigation Program.*

Potential Mitigation Activities:

1. Protect Existing Development
 - a. Protect critical facilities and Infrastructure
 - b. Protect at-risk business and economic development
 - c. Protect at-risk residential properties
2. Protect Cultural and Natural resources

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CPT and PAIC Goal Suggestions:

- Retrofitting susceptible bridges
- Provide regional (in the city) lakes/ponds for drainage control
- Provide access by Fire Department to local lakes/ponds
- Expand infrastructure ahead of the curve of community growth
- Reduce exposure to hazard related losses
- Provide protection for peoples lives from hazards
- Reduce hazard related losses and provide assistance to victims
- Protection for future development
- Protection for existing buildings
- Protection for public safety
- Protect the health and safety of residents
- Proactively expand response systems and warning systems as other infrastructure or growth occurs. For Example, require Developers to install and pay for siren in new subdivision over “x” number of lots
- Provide protection for future developments from hazards.
- Provide protection for utilities from hazard impacts.
- Provide hazard protection for existing buildings and facilities (including utilities)
- Promote consideration of flooding areas when deciding locations for development of subdivisions and industry. As we move into the floodplain with construction we trade off to a problem area that wasn’t there before.



- Develop ordinance or buy-out program for those currently living in the floodplain.
- Provide partial grants to retrofit flood damaged buildings – potential seismic hazards to reduce potential for damage (elevate buildings, levees and dams around buildings, non-structural retrofit, structural retrofit).

LOCAL DATA / TECHNOLOGY

GOAL: Utilize latest technology and data in hazard mitigation activities

Objective: Maximize “lead-Time” provided by an all-hazards warning system

Potential Mitigation Activities:

1. *Reverse 911 system*
2. *GIS*
3. *8/900 mHz communications*

CPT and PAIC Goal Suggestions:

- Warning systems to every building/house. Reverse 911, mass dialing.

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Next Meeting

The fourth meeting of the CPT is scheduled for **Wednesday, May 12th**. Potential mitigation alternatives and projects addressing pre- and post-disaster opportunities will be identified. AMEC will lead a discussion where mitigation alternatives will be presented, and Committee members will be asked for their input about the alternatives. In developing mitigation alternatives to address all of the hazards within the Planning Area, the Committee should adhere to the model of mitigation activities promoted by DMA, CRS and FMA, which categorizes mitigation measures into the following six categories:

- Preventative Measures;
- Property Protection;
- Emergency Services Measures;
- Structural Projects;
- Natural Resource Protection; and
- Public Information Programs.

The third meeting of the PIAC is also anticipated to follow the CPT meeting. This meeting will be similar to the CPT meeting, presenting potential mitigation alternatives and projects addressing pre- and post-disaster opportunities.

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MEETING MINUTES
Evansville and Vanderburgh County's
All-Hazards, DMA Compliant, CRS Enhancing Mitigation Plan

Community Planning Team

Meeting #4 – Review Mitigation Activities

9:30 – 11:30 AM, May 12, 2004

1. Attendance

The DMA planning regulations and guidance ardently stress that each local government seeking the required FEMA approval of their mitigation plan must participate in the process. The Community Planning Team (CPT) is composed of City/County staff and stakeholders and has been adopted by resolution by both the City (#C-2004-5) and County Councils. The following members attended the fourth CPT meeting:

Attendee	Agency / Company	Phone	E-mail
Steve Fuchs	Building Commission	(812) 436 – 7868	sfuchs@buildevansville.com
Sherman G. Greer	EMA	(812) 435-6020	sgreer@evansvilleema.com
Adam Groupe	EMA	(812) 435-6020	agroupe@evansvilleema.com
John M. Buckman III	Suburban Fire Chiefs Assoc.	(812) 480-4339	jmbuckman@aol.com
Rob Brown	Building Commission	(812) 435-2351	rbrown@buildevansville.com
Christine Martin	DRC	(812) 425-8401	drc@swidrcc.org
Brad Mills *	Area Planning Commission	(812) 435 – 5226	bmills@evansvilleapc.com
Roger Lehman*	Building Commission	(812) 436-7867	rlehman@evansville.net
John J. Bittner**	Farmer	(812) 963-5647	B401127@dynasty.net
Cindy Popplewell	AMEC	(615) 333-0630	Cynthia.Popplewell@amec.com

* CPT Members who attended the Public Input Advisory Committee Meeting, May 13th, 2:00 pm.

** PIAC Members who attended the Community Planning Team Meeting, May 12th, 9:30 am.



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- The CPT is scheduled to meet six times during the planning process. Meeting dates are scheduled for the 2nd Thursday of each month:
- January 8th – Kickoff Meeting
- March 11th – Hazard Identification
- April 8th – Risk Assessment and Goal Setting
- May 12th – Review Possible Mitigation Activities
- **June 10th – Review Draft Plan**
- **July 8th – Review Public Input Comments; Draft / Final Plan**

2. Update on Status of the Planning Process

- Step 1. Get Organized - COMPLETED
- Step 2. Plan for Public Involvement – PIAC formed, Public Meetings to be held
- Step 3. Coordinate with Other Departments - COMPLETED
- Step 4. Identify the Hazards - COMPLETED
- Step 5. Assess the Risks – COMPLETED
- Step 6. Set Planning Goals - COMPLETED
- Step 7. Review Possible Activities – IN PROGRESS
- Step 8. Draft an Action Plan – Draft Report to be sent digitally June 3rd for Team Review prior to the June 10th Meeting.
- Step 9. Adopt the Plan
- Step 10. Implement the Plan, Evaluate its Worth, and Revise as Needed.

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Next Meeting

The fifth meeting of the CPT is scheduled for **Thursday, June 10th**. Based on information collected during each of the tasks including the Hazard and Risk Assessment, the Setting of Goals and Objectives, and Review of Possible Activities, a DRAFT multi-hazard Mitigation Action Plan will be prepared and distributed digitally on **June 3rd** for review prior to the 5th CPT Meeting. At the 5th CPT Meeting AMEC will solicit comments that committee members might have.

The fourth meeting of the PIAC is also anticipated to follow the CPT meeting. This meeting will be similar to the CPT meeting, soliciting comments the committee members may have regarding the Draft Plan.



MEETING MINUTES
Evansville and Vanderburgh County's
All-Hazards, DMA Compliant, CRS Enhancing Mitigation Plan

Community Planning Team

Meeting #5 – Review Draft Plan

9:30 – 11:30 AM, June 10, 2004

1. Attendance

The DMA planning regulations and guidance ardently stress that each local government seeking the required FEMA approval of their mitigation plan must participate in the process. The Community Planning Team (CPT) is composed of City/County staff and stakeholders and has been adopted by resolution by both the City (#C-2004-5) and County Councils. The following members attended the fourth CPT meeting:

Attendee	Agency / Company	Phone	E-mail
Steve Fuchs	Building Commission	(812) 436 – 7868	sfuchs@buildevansville.com
Sherman G. Greer	EMA	(812) 435-6020	sgreer@evansvilleema.com
Rob Brown	Building Commission	(812) 435-2351	rbrown@buildevansville.com
Christine Martin	DRC	(812) 425-8401	drc@swidrcc.org
Brad Mills	Area Planning Commission	(812) 435 – 5226	bmills@evansvilleapc.com
Cindy Popplewell	AMEC	(615) 333-0630	Cynthia.Popplewell@amec.com

The CPT is scheduled to meet six times during the planning process. Meeting dates are scheduled for the 2nd Thursday of each month:

- January 8th – Kickoff Meeting
- March 11th – Hazard Identification
- April 8th – Risk Assessment and Goal Setting
- May 12th – Review Possible Mitigation Activities
- June 10th – Review Draft Plan
- July 13th – PUBLIC MEETING
- **August 12th – Review Public Input Comments; Draft / Final Plan**

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2. Update on Planning Process

	SUN	MON	TUES	WED	THUR	FRI	SAT
JUNE			1	2	3	4	5
	6	7	8	9	10 CPT Mtg. #5	11	12
	13	14	15	16	17	18	19
	20	21	22	23	24 Draft Comments Due	25	26
	27	28	29	30	1	2 Draft Comments Incorporated	3
JULY	4	5 Final Draft Plan Delivered (15)	6	7	8	9	10
	11	12	13 PUBLIC MEETING	14	15	16	17
	18	19	20	21	22	23	24
	25	26	27	28	29	30	31
AUGUST	1	2	3	4	5	6	7
	8	9	10 Public Comments Due	11	12 CPT Mtg. #6	13	14
	15	16	17	18	19	20	21
	22	23	24	25	26	27	28
	29	30	31	1 Submittal to SEMA	2	3	4

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3. Draft Plan

- June 24th Deadline for CPT and PIAC comments.
- July 5th Hard copies (15) of the Final DRAFT Plan will be delivered.
Digital “.pdf” files will be delivered for posting on website.
Text for Public Meeting press release will be delivered.
- July 13th Public Meeting scheduled for City Council Chambers, 6 – 8pm
- August 10th Deadline for public comments.
- August 12th CPT Meeting #6, discussion of public comments and any additional final comments to Plan
- September 1st Submittal to SEMA

4. Action Items

Building Commission – Rob Brown

- ▶ Updated Seismic Hazard Map

DRC – Christine Martin

- ▶ Address list of NOAA radio distribution

Area Planning – John Ansbro

- ▶ Address list for current repetitive loss mailings

AMEC

- ▶ Finalize Draft Plan
- ▶ Incorporation of CPT and PIAC comments
- ▶ Develop Comment Form for public comments
- ▶ Submit Flood Hazard portion to David Stroud with ISO for review
- ▶ Contact Code Enforcement, Greg – Maintenance, Smoke Alarm
- ▶ Contact Sean Dickerson – City Arborist, Additional information on tree trimming training sessions

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MEETING MINUTES

Public Input Advisory Committee

Meeting notes for the Public Input Advisory Committee meetings have been incorporated into the single set of minutes presented to the Community Planning Team. The PIAC attendees are presented below.

Meeting #1 – Kickoff Meeting and Hazard Identification ***2:00 – 3:00 PM, March 11, 2004***

Attendee	Agency / Company	Phone	E-mail
Keith Goy (Justin Manning)	County Health Department	435-5695	ijnmanning@juno.com
Rick Mills	Mills-Wallace & Associates	425-6181	rmills@mills-wallace.com
Mike Singer	Vectren Power Supply	49-4627	msinger@vectren.com
Ken Zuber	Evansville Fire Department	435-6235	kzuber@evansvillefiredepartment.com
John Bittner	Rural Community Representative	963-5647	BeeG401127@dynasty.net
Kathy Schoettlin	Red Cross	471-7200	kschoettlin@arcswin.org
Lauren Preske	SWCD , Sustainable Evansville	985-3151	preskes@hotmail.com
Jim Magary	Evansville Police Department	435-6195	jmagary@evansvillepolice.com
John Petkovsek	David Matthews Associates	434-6714	snorko@evansville.net
Jim Daniels	Solid Waste District	436-7801	jdaniels@vanderburghgov.org
Paul W. Farmer	United Neighborhood of Evansville	963-5153	Wileyfox603@aol.com
Bill Pedtke	Builders Association	479-6026	bpedtke@SIBAonline.org
John Stoll	County Engineer	435-5773	jstoll@vanderburghgov.org
Tom Barnett	Deaconess Hospital	450-3432	Tom_Barnett@deaconess.com
Dennis Au	Historic Preservation	435-6030	dau@evnasvillegov.org
Ron Heuze	Evansville-Vanderburgh Public Library	428-8232	ronh@evpl.org
Matt Meadors	Evansville Chamber of Commerce	421-5885	mmeadors@evansvillechamber.com
Tom Effinger	EMC	424-7768	teffinger@emcevv.com
Rick Schnawtz	Sheriffs Office	435-5423	rschnawtz@vanderburghsheriff.com

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Meeting #2 – Risk Assessment and Goal Setting
2:30 – 3:30 PM, April 8, 2004

Attendee	Agency / Company	Phone	E-mail
John Petkovsek	David Matthews & Assoc.	434-6714	snorko@evansville.net
Bill Pedtke	Builders Association	479-6026	bpedtke@simaonline.org
Ron Henze	EVPL	428-8232	ronh@evpl.org
Paul W. Farmer	United Neighborhoods of Evansville	428-4243	Wileyfox603@aol.com
Art Gann	Bristol-Myers	429-7931	Arthur.gann@bms.com
Kathy Schoettlin	Red Cross	471-7200	kschoettlin@arcswin.org
Nelson Ford	Fifth Third Bank	456-3872	Nelson.Ford@53.com
Cindy Popplewell	AMEC	(615) 333-0630	Cynthia.Popplewell@amec.com

Meeting #3 – Review Mitigation Activities
2:30 – 3:30 PM, May 13, 2004

Attendee	Agency / Company	Phone	E-mail
John Petkovsek	David Matthews & Assoc.	434-6714	snorko@evansville.net
Paul W. Farmer	United Neighborhoods of Evansville	428-4243	Wileyfox603@aol.com
Danny M. Spindler	Given & Spindler Companies	471-2600	dspindler@givenspindler.com
Art Gann	Bristol-Myers	429-7931	Arthur.gann@bms.com
Kathy Schoettlin	Red Cross	471-7200	kschoettlin@arcswin.org
Patrick Seib	County Engineer	435-5773	Pseib@vanderburghgov.org
Nelson Ford	Fifth Third Bank	456-3872	Nelson.Ford@53.com
Rick Mills	Mills-Wallace & Associates	425-6181	rmills@mills-wallace.com
Brad Mills *	Area Planning Commission	(812) 435 – 5226	bmills@evansvilleapc.com

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Roger Lehman*	Building Commission	(812) 436-7867	rlehman@evansville.net
Steve Fuchs*	Building Commission	(812) 436 – 7868	sfuchs@buildevansville.com
Rob Brown*	Building Commission	(812) 435-2351	rbrown@buildevansville.com
Cindy Popplewell	AMEC	(615) 333-0630	Cynthia.Popplewell@amec.com

* CPT Members who also attended the Public Input Advisory Committee Meeting

Meeting #4 – Review Draft Plan

2:00 – 3:30 PM, June 10, 2004

Attendee	Agency / Company	Phone	E-mail
Kathy Schoettlin	Red Cross	471-7200	kschoettlin@arcswin.org
Nelson Ford	Fifth Third Bank	456-3872	Nelson.Ford@53.com
Steve Bagbey	City Council	436-4996	Sbagbey@evansville-diocese.org
Lynnae Wilson	Vectren	491-4764	LKWilson@vectren.com
Mike Singer	Vectren	491-4627	Msinger@vectren.com
Patrick Seib	County Engineer	435-5773	Pseib@vanderburghgov.org
Steve Fuchs *	Building Commission	(812) 436 – 7868	sfuchs@buildevansville.com
Sherman G. Greer *	EMA	(812) 435-6020	sgreer@evansvilleema.com
Cindy Popplewell	AMEC	(615) 333-0630	Cynthia.Popplewell@amec.com

* CPT Members who also attended the Public Input Advisory Committee Meeting

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