

Authorities and References

This section lists references used to prepare the Fulton County HMP. Existing plans and studies were reviewed and integrated into the HMP.

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LOCAL MITIGATION PLAN REVIEW TOOL

The *Local Mitigation Plan Review Tool* demonstrates how the Local Mitigation Plan meets the regulation in 44 CFR §201.6 and offers States and FEMA Mitigation Planners an opportunity to provide feedback to the community.

- The Regulation Checklist provides a summary of FEMA’s evaluation of whether the Plan has addressed all requirements.
- The Plan Assessment identifies the plan’s strengths as well as documents areas for future improvement.
- The Multi-jurisdiction Summary Sheet is an optional worksheet that can be used to document how each jurisdiction met the requirements of the each Element of the Plan (Planning Process; Hazard Identification and Risk Assessment; Mitigation Strategy; Plan Review, Evaluation, and Implementation; and Plan Adoption).

The FEMA Mitigation Planner must reference this *Local Mitigation Plan Review Guide* when completing the *Local Mitigation Plan Review Tool*.

Jurisdiction: Fulton County, Pennsylvania	Title of Plan: Fulton County Hazard Mitigation Plan	Date of Plan: August 2015
Local Point of Contact: Mary K. Seville		Address: 219 N. Second St., Suite 102 McConnellsburg, PA 17233
Title: Planning/Mapping Director		
Agency: Fulton County Planning Commission		
Phone Number: 717-485-3717		E-Mail: mkseville@co.fulton.pa.us

State Reviewer: Ernest Szabo	Title: State HM Planner	Date: 25 June 2015
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FEMA Reviewer: Tess Grubb	Title: Lead Community Planner	Date:
Date Received in FEMA Region 3		
Plan Not Approved		
Plan Approvable Pending Adoption		
Plan Approved		

**SECTION 1:
REGULATION CHECKLIST**

INSTRUCTIONS: The Regulation Checklist must be completed by FEMA. The purpose of the Checklist is to identify the location of relevant or applicable content in the Plan by Element/sub-element and to determine if each requirement has been ‘Met’ or ‘Not Met.’ The ‘Required Revisions’ summary at the bottom of each Element must be completed by FEMA to provide a clear explanation of the revisions that are required for plan approval. Required revisions must be explained for each plan sub-element that is ‘Not Met.’ Sub-elements should be referenced in each summary by using the appropriate numbers (A1, B3, etc.), where applicable. Requirements for each Element and sub-element are described in detail in this *Plan Review Guide* in Section 4, Regulation Checklist.

1. REGULATION CHECKLIST	Location in Plan (section and/or	Met	Not Met
Regulation (44 CFR 201.6 Local Mitigation Plans)			
ELEMENT A. PLANNING PROCESS			
A1. Does the Plan document the planning process, including how it was prepared and who was involved in the process for each jurisdiction? (Requirement §201.6(c)(1))		X	
A2. Does the Plan document an opportunity for neighboring communities, local and regional agencies involved in hazard mitigation activities, agencies that have the authority to regulate development as well as other interests to be involved in the planning process? (Requirement §201.6(b)(2))		X	
A3. Does the Plan document how the public was involved in the planning process during the drafting stage? (Requirement §201.6(b)(1))		X	
A4. Does the Plan describe the review and incorporation of existing plans, studies, reports, and technical information? (Requirement §201.6(b)(3))		X	
A5. Is there discussion of how the community(ies) will continue public participation in the plan maintenance process? (Requirement §201.6(c)(4)(iii))		X	
A6. Is there a description of the method and schedule for keeping the plan current (monitoring, evaluating and updating the mitigation plan within a 5-year cycle)? (Requirement §201.6(c)(4)(i))		X	
ELEMENT A: REQUIRED REVISIONS			

1. REGULATION CHECKLIST		Location in Plan (section and/or	Met	Not Met
Regulation (44 CFR 201.6 Local Mitigation Plans)				
ELEMENT B. HAZARD IDENTIFICATION AND RISK ASSESSMENT				
B1. Does the Plan include a description of the type, location, and extent of all natural hazards that can affect each jurisdiction(s)? (Requirement §201.6(c)(2)(i))				X
B2. Does the Plan include information on previous occurrences of hazard events and on the probability of future hazard events for each jurisdiction? (Requirement §201.6(c)(2)(i))			X	
B3. Is there a description of each identified hazard's impact on the community as well as an overall summary of the community's vulnerability for each jurisdiction? (Requirement §201.6(c)(2)(ii))			X	
B4. Does the Plan address NFIP insured structures within the jurisdiction that have been repetitively damaged by floods? (Requirement §201.6(c)(2)(ii))			NA, not rep loss in county	

ELEMENT B: REQUIRED REVISIONS

1. Clarify what local GIS data layers were used for this plan update.
 - a. Additional information on local layers has been added to the “Tools” section, beginning on p. 4.1-1, in Section 4.1 “Methodology and Tools.”
2. Page 2-10 indicates Growth Areas in the county related to hazard areas, suggest mapping these areas to visually show mapped hazard areas relative to defined growth areas.
 - a. Figures 2-6 to 2-12 (pages 2-12 to 2-18) show the growth areas in the County, with the hazard areas overlaid on top. Figure 2-6 is a County level map, and the rest of the figures are focused on each growth area in the County. The flood hazard area is easier to see in the more detailed growth area maps due to the small amount of floodplain land in Fulton County.
3. Page 2-15, clarify number of beds for each shelter noted on the page.
 - a. Added capacity for each shelter and clarifying language on pages 2-21 and 2-22.
4. Page 2-17, clarify if schools are also used as shelters.
 - a. Added language to clarify. The Township school districts are used as shelters (p. 2-21 and 2-22, section 2.5.1.3).
5. Determine resources at school when used as shelters. For example have resources and facilities to feed X number, resources to sleep X number of people when used as a shelter. Or include general paragraph to include information on facility used during a disaster.
 - a. Added language to clarify beginning on p. 2-21, section 2.5.1.3.
6. Page 2-16, clarify number of beds or residents in nursing homes.
 - a. Added language to clarify. Only have capacity/bed number for two facilities (p 2-23).
7. In the drought section, include number of customer for each municipal water supply company.
 - a. Added to Page 6, Table 4.3.2-1.
8. Clarify the backup supplies for municipal water systems.
 - a. Added to Page 6, Table 4.3.2-1.
9. For the dam profile, include inundation maps for high hazard dams.
 - a. Added clarifying language to page 4.3.1-2 of the Dam Failure profile (under the PA DEP subsection. County only has paper copies, not digital ones. A related mitigation action has been added to Section 6 and Appendix I.
10. Include vulnerable population information for dam failures.
 - a. Addressed in second paragraph under Section 4.3.1.5 Vulnerability Assessment (p.7).
 - b. The number of vulnerable structures/homes and residents based off EAP inundation estimates is included here.
11. For the drought section include acres of crops in the county
 - a. Addressed in Table 4.3.2-9, which includes acres and market value of crops.
12. For the drought section, include animal herd operation information.
 - a. Addressed in introductory text (next to introductory crop loss table text) and in Table 4.3.2-10. Includes information on livestock in County and market value.
13. Clarify the drainage areas for the Potomac and Juniata River, and map these watersheds.
 - a. Clarifying language and mapping has been added to the Flood profile. Text begins on bottom of page 4.3.5-1, and figure is on following page.
 - b. Figure 4.3.5-1 contains an overlay of the subwatersheds with the outline of the two major watersheds (Potomac and Juniata/Susquehanna) laid on top. It also contains the critical facilities in the County.
14. Clarify the flood vulnerable structures based on watershed and jurisdictional boundaries.
 - a. Please refer to Tables 4.3.5-9 and 4.3.5-10 for this information (page 4.3.5-20 in the Flood profile). The first table contains information by watershed and the second table contains information by municipality/jurisdictional boundary.
15. Appendix f, should be placed in the flood section of the plan.
 - a. Completed. This is included in both the flood section and as a separate appendix for ease of reference.

1. REGULATION CHECKLIST		Location in Plan	Met	Not Met
Regulation (44 CFR 201.6 Local Mitigation Plans)		(section and/or		
16.	Place vulnerable structures on the flood maps in appendix F. a. Structures have been added to flood maps (please see county flood map on page 4.3.5-7, municipal flood maps beginning on page 4.3.5-26, and Appendix F).			
17.	Clarify table 4.3.5-5 states displaced households as 614, while table 4.3.5-4 states 346 displaced people. a. Added language to clarify difference between tables immediately prior to Table 4.3.5-5, on page 4.3.5-17.			
18.	Page 4.3.5-17 has “error! Reference source not found”. This occurs in several places. a. Addressed.			
19.	Table 4.3.5-6 indicates % of land in SFHA, if possible, determine % of land is SFHA in designated growth areas from section 2-10. a. Table 4.3.5-7 in the Flood profile (on page 4.3.5-18) has been added and contains the requested information.			
20.	Clarify why 2010 census population data was not used in the HAZUS analysis. a. Clarifying language has been added under Section 4.3.5.5.2 (Data and Methodology) at the bottom of page 4.3.5-15.			
21.	In the Radon section, clarify if the EPA has specific data and readings form radon sampling conducted in the county. a. Addressed on page 6. The only information located from EPA specifically is that the County exceeds 4 pCi/L. b. The 2013 PA HMP state map for radon hazard areas with Fulton County highlighted is on page 4.3.8-3.			
ELEMENT C. MITIGATION STRATEGY				
C1.	Does the plan document each jurisdiction’s existing authorities, policies, programs and resources and its ability to expand on and improve these existing policies and programs? (Requirement §201.6(c)(3))			X
C2.	Does the Plan address each jurisdiction’s participation in the NFIP and continued compliance with NFIP requirements, as appropriate? (Requirement §201.6(c)(3)(ii))		X	
C3.	Does the Plan include goals to reduce/avoid long-term vulnerabilities to the identified hazards? (Requirement §201.6(c)(3)(i))		X	
C4.	Does the Plan identify and analyze a comprehensive range of specific mitigation actions and projects for each jurisdiction being considered to reduce the effects of hazards, with emphasis on new and existing buildings and infrastructure? (Requirement §201.6(c)(3)(ii))		X	
C5.	Does the Plan contain an action plan that describes how the actions identified will be prioritized (including cost benefit review), implemented, and administered by each jurisdiction? (Requirement §201.6(c)(3)(iv)); (Requirement §201.6(c)(3)(iii))		X	

1. REGULATION CHECKLIST		Location in Plan	Met	Not Met
Regulation (44 CFR 201.6 Local Mitigation Plans)		(section and/or		
C6. Does the Plan describe a process by which local governments will integrate the requirements of the mitigation plan into other planning mechanisms, such as comprehensive or capital improvement plans, when appropriate? (Requirement §201.6(c)(4)(ii))				X
ELEMENT C: REQUIRED REVISIONS				
<p>1. Jurisdictions who have designated growth areas in SFHA should discuss ways to mitigate hazards in these areas. Items to consider include: higher regulatory standard for flood or other hazards, or designating alternate areas for growth areas outside the current identified hazard areas.</p> <p>a. Appropriate mitigation actions have been added to Section 6 and to Appendix I.</p> <p>2. Actions 2.A.1 and 2.A.2 (new strategy FC-26, FC-27) are currently required under the NFIP.</p> <p>a. Actions have been reworded to clarify compliance and to include County/Conservation District support with education and enforcement (in both Appendix I and Section 6).</p> <p>3. Action 2.A.3,(FC-29) manufactured homes are required to have tie down straps as part of the FPO and building codes.</p> <p>a. Action has been reworded to clarify compliance and to include County/Conservation District support with education and enforcement (in both Appendix I and Section 6).</p> <p>4. The Fulton County Conservation District needs to be fully profiled in the capability section and include specific examples of the program they administer.</p> <p>a. Information has been added to Page 9 of Section 5 (end of the County Capability section and prior to the Local Capability section).</p> <p>5. Appendix G is blank.</p> <p>a. Appropriate placeholder language and sample resolutions have been added to this section.</p> <p>6. When the plan is updated next, include more specific mitigation actions and strategies.</p>				
ELEMENT D. PLAN REVIEW, EVALUATION, AND IMPLEMENTATION (applicable to plan updates only)				
D1. Was the plan revised to reflect changes in development? (Requirement §201.6(d)(3))			X	
D2. Was the plan revised to reflect progress in local mitigation efforts? (Requirement §201.6(d)(3))				X
D3. Was the plan revised to reflect changes in priorities? (Requirement §201.6(d)(3))			X	
ELEMENT D: REQUIRED REVISIONS				
<p>1. Updated plans need to fully describe the progress in mitigation actions in the last 5 years. FEMA suggest including a narrative to describe what has been done!</p> <p>a. Section 6.1.3 has been expanded to share additional County, County agency, and municipal mitigation action successes, with a focus on those not documented elsewhere in the plan.</p>				
ELEMENT E. PLAN ADOPTION				
E1. Does the Plan include documentation that the plan has been formally adopted by the governing body of the jurisdiction requesting approval? (Requirement §201.6(c)(5))				X
E2. For multi-jurisdictional plans, has each jurisdiction requesting approval of the plan documented formal plan adoption? (Requirement §201.6(c)(5))				X

1. REGULATION CHECKLIST		Location in Plan (section and/or	Met	Not Met
Regulation (44 CFR 201.6 Local Mitigation Plans)				
<u>ELEMENT E: REQUIRED REVISIONS</u>				
ELEMENT F. ADDITIONAL STATE REQUIREMENTS (OPTIONAL FOR STATE REVIEWERS ONLY; NOT TO BE COMPLETED BY FEMA)				
F1.				
F2.				
<u>ELEMENT F: REQUIRED REVISIONS</u>				

SECTION 2: PLAN ASSESSMENT

INSTRUCTIONS: The purpose of the Plan Assessment is to offer the local community more comprehensive feedback to the community on the quality and utility of the plan in a narrative format. The audience for the Plan Assessment is not only the plan developer/local community planner, but also elected officials, local departments and agencies, and others involved in implementing the Local Mitigation Plan. The Plan Assessment must be completed by FEMA. The Assessment is an opportunity for FEMA to provide feedback and information to the community on: 1) suggested improvements to the Plan; 2) specific sections in the Plan where the community has gone above and beyond minimum requirements; 3) recommendations for plan implementation; and 4) ongoing partnership(s) and information on other FEMA programs, specifically RiskMAP and Hazard Mitigation Assistance programs. The Plan Assessment is divided into two sections:

1. Plan Strengths and Opportunities for Improvement
2. Resources for Implementing Your Approved Plan

Plan Strengths and Opportunities for Improvement is organized according to the plan Elements listed in the Regulation Checklist. Each Element includes a series of italicized bulleted items that are suggested topics for consideration while evaluating plans, but it is not intended to be a comprehensive list. FEMA Mitigation Planners are not required to answer each bullet item, and should use them as a guide to paraphrase their own written assessment (2-3 sentences) of each Element.

The Plan Assessment must not reiterate the required revisions from the Regulation Checklist or be regulatory in nature, and should be open-ended and to provide the community with suggestions for improvements or recommended revisions. The recommended revisions are suggestions for improvement and are not required to be made for the Plan to meet Federal regulatory requirements. The italicized text should be deleted once FEMA has added comments regarding strengths of the plan and potential improvements for future plan revisions. It is recommended that the Plan Assessment be a short synopsis of the overall strengths and weaknesses of the Plan (no longer than two pages), rather than a complete recap section by section.

Resources for Implementing Your Approved Plan provides a place for FEMA to offer information, data sources and general suggestions on the overall plan implementation and maintenance process. Information on other possible sources of assistance including, but not limited to, existing publications, grant funding or training opportunities, can be provided. States may add state and local resources, if available.

A. Plan Strengths and Opportunities for Improvement

This section provides a discussion of the strengths of the plan document and identifies areas where these could be improved beyond minimum requirements.

Element A: Planning Process

How does the Plan go above and beyond minimum requirements to document the planning process with respect to:

- *Involvement of stakeholders (elected officials/decision makers, plan implementers, business owners, academic institutions, utility companies, water/sanitation districts, etc.);*
- *Involvement of Planning, Emergency Management, Public Works Departments or other planning agencies (i.e., regional planning councils);*
- *Diverse methods of participation (meetings, surveys, online, etc.); and*
- *Reflective of an open and inclusive public involvement process.*

Element B: Hazard Identification and Risk Assessment

In addition to the requirements listed in the Regulation Checklist, 44 CFR 201.6 Local Mitigation Plans identifies additional elements that should be included as part of a plan's risk assessment. The plan should describe vulnerability in terms of:

- 1) *A general description of land uses and future development trends within the community so that mitigation options can be considered in future land use decisions;*
- 2) *The types and numbers of existing and future buildings, infrastructure, and critical facilities located in the identified hazard areas; and*
- 3) *A description of potential dollar losses to vulnerable structures, and a description of the methodology used to prepare the estimate.*

How does the Plan go above and beyond minimum requirements to document the Hazard Identification and Risk Assessment with respect to:

- *Use of best available data (flood maps, HAZUS, flood studies) to describe significant hazards;*
- *Communication of risk on people, property, and infrastructure to the public (through tables, charts, maps, photos, etc.);*
- *Incorporation of techniques and methodologies to estimate dollar losses to vulnerable structures;*
- *Incorporation of Risk MAP products (i.e., depth grids, Flood Risk Report, Changes Since Last FIRM, Areas of Mitigation Interest, etc.); and*
- *Identification of any data gaps that can be filled as new data became available.*

Element C: Mitigation Strategy

How does the Plan go above and beyond minimum requirements to document the Mitigation Strategy with respect to:

- *Key problems identified in, and linkages to, the vulnerability assessment;*
- *Serving as a blueprint for reducing potential losses identified in the Hazard Identification and Risk Assessment;*
- *Plan content flow from the risk assessment (problem identification) to goal setting to mitigation action development;*
- *An understanding of mitigation principles (diversity of actions that include structural projects, preventative measures, outreach activities, property protection measures, post-disaster actions, etc);*
- *Specific mitigation actions for each participating jurisdictions that reflects their unique risks and capabilities;*
- *Integration of mitigation actions with existing local authorities, policies, programs, and resources; and*
- *Discussion of existing programs (including the NFIP), plans, and policies that could be used to implement mitigation, as well as document past projects.*

Element D: Plan Update, Evaluation, and Implementation (Plan Updates Only)

How does the Plan go above and beyond minimum requirements to document the 5-year Evaluation and Implementation measures with respect to:

- *Status of previously recommended mitigation actions;*
- *Identification of barriers or obstacles to successful implementation or completion of mitigation actions, along with possible solutions for overcoming risk;*
- *Documentation of annual reviews and committee involvement;*
- *Identification of a lead person to take ownership of, and champion the Plan;*
- *Reducing risks from natural hazards and serving as a guide for decisions makers as they commit resources to reducing the effects of natural hazards;*
- *An approach to evaluating future conditions (i.e. socio-economic, environmental, demographic, change in built environment etc.);*
- *Discussion of how changing conditions and opportunities could impact community resilience in the long term; and*
- *Discussion of how the mitigation goals and actions support the long-term community vision for increased resilience.*

B. Resources for Implementing Your Approved Plan

Ideas may be offered on moving the mitigation plan forward and continuing the relationship with key mitigation stakeholders such as the following:

- *What FEMA assistance (funding) programs are available (for example, Hazard Mitigation Assistance (HMA)) to the jurisdiction(s) to assist with implementing the mitigation actions?*
- *What other Federal programs (National Flood Insurance Program (NFIP), Community Rating System (CRS), Risk MAP, etc.) may provide assistance for mitigation activities?*
- *What publications, technical guidance or other resources are available to the jurisdiction(s) relevant to the identified mitigation actions?*
- *Are there upcoming trainings/workshops (Benefit-Cost Analysis (BCA), HMA, etc.) to assist the jurisdictions(s)?*
- *What mitigation actions can be funded by other Federal agencies (for example, U.S. Forest Service, National Oceanic and Atmospheric Administration (NOAA), Environmental Protection Agency (EPA) Smart Growth, Housing and Urban Development (HUD) Sustainable Communities, etc.) and/or state and local agencies?*

**SECTION 3:
MULTI-JURISDICTION SUMMARY SHEET (OPTIONAL)**

INSTRUCTIONS: For multi-jurisdictional plans, a Multi-jurisdiction Summary Spreadsheet may be completed by listing each participating jurisdiction, which required Elements for each jurisdiction were 'Met' or 'Not Met,' and when the adoption resolutions were received. This Summary Sheet does not imply that a mini-plan be developed for each jurisdiction; it should be used as an optional worksheet to ensure that each jurisdiction participating in the Plan has been documented and has met the requirements for those Elements (A through E).

MULTI-JURISDICTION SUMMARY SHEET												
#	Jurisdiction Name	Jurisdiction Type (city/borough/ township/ village, etc.)	Plan POC	Mailing Address	Email	Phone	Requirements Met (Y/N)					
							A. Planning Process	B. Hazard Identification & Risk Assessment	C. Mitigation Strategy	D. Plan Review, Evaluation & Implementation	E. Plan Adoption	F. State Requirements
1												
2												
3												
4												
5												
6												
7												
8												
9												

MULTI-JURISDICTION SUMMARY SHEET

#	Jurisdiction Name	Jurisdiction Type (city/borough/ township/ village, etc.)	Plan POC	Mailing Address	Email	Phone	Requirements Met (Y/N)					
							A. Planning Process	B. Hazard Identification & Risk Assessment	C. Mitigation Strategy	D. Plan Review, Evaluation & Implementation	E. Plan Adoption	F. State Requirements
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												

Sgt. Sean Flaherty
Pennsylvania State Police
23170 Great Cove Rd.
McConnellsburg, PA 17233

Deb Buterbaugh
American Red Cross
420 N. Third St.
McConnellsburg, PA 17233

Jeremy Fletcher
Fulton Co. Planning Commission
1350 Lincoln Way East
McConnellsburg, PA 17233

J.R. Sigel
Needmore Vol. Fire Co.
P.O. Box 150
Needmore, PA 17238

Darius DeShong
Hustontown Vol. Fire Co.
P.O. Box 603
Hustontown, PA 17229

Pete Lynch
McConnellsburg Vol. Fire Co.
P.O. Box 144
McConnellsburg, PA 17233

Ruth Strait
Fulton Co. EMA
219 N. Second St., Ste. 106
McConnellsburg, PA 17233

Denise Grissinger
Ayr Township
P.O. Box 212
McConnellsburg, PA 17233

Paula Shives
Belfast Township
121 Homestead Ln.
Needmore, PA 17238

Donna Lynch
Bethel Township
289 Long Hollow Rd.
Warfordsburg, PA 17267

Helen Layton
Brush Creek Township
1792 Layton Rd.
Warfordsburg, PA 17267

Dixie Henry
Dublin Township
1366 Cole Rd.
Hustontown, PA 17229

LuAnne Keebaugh
Licking Creek Township
13064 Timber Ridge Rd.
Needmore, PA 17238

Jack Fields
McConnellsburg Borough
112 Lincoln Way East
McConnellsburg, PA 17233

Monica Mellott
Taylor Township
P.O. Box 627
Hustontown, PA 17229

Gene Mellott
Thompson Township
1298 Big Cove Tannery Rd.
Big Cove Tannery, PA 17212

Marcie Mellott
Todd Township
2998 E. Dutch Corner Rd.
McConnellsburg, PA 17233

Carolyn Wills
Union Township
1296 McKibbin Ln.
Warfordsburg, PA 17267

Nelson Gothie
Valley-Hi Borough
P.O. Box 42
Breezewood, PA 15533

Karole Barton
Wells Township
P.O. Box 34
Wells Tannery, PA 16691

Jason Hawkins
FCMC
214 Peach Orchard Rd.
McConnellsburg, PA 17233

Central Fulton School Dist.
151 E. Cherry St.
McConnellsburg, PA 17233

Southern Fulton School Dist.
3072 Great Cove Rd., Ste. 100
Warfordsburg, PA 17267

Donna Welsh
LEPC
382 Reservoir Rd.
McConnellsburg, PA 17233

Joel Kissinger
PEMA Central Area
2605 Interstate Dr.
Harrisburg, PA 17110

Ed Mickey
PennDOT
22907 Great Cove Rd.
Fort Littleton, PA 17223

Seleen Shives
Fulton Co. Conservation District
216 N. Second St., Ste. 15
McConnellsburg, PA 17233

Pat Berkstresser
Fulton Co. Planning Commission
421 Back Run Rd.
McConnellsburg, PA 17233

Dave Ocamb
JLG Industries
1 JLG Dr.
McConnellsburg, PA 17233

Carl Boyer
Mellott Company
100 Mellott Dr., Ste. 100
Warfordsburg, PA 17267

Fulton Co. Chamber of Commerce &
Tourism
201 LWW, Suite 101
McConnellsburg, PA 17233

County Commissioners
116 W. Market St., Ste. 203
McConnellsburg, PA 17233

Forbes Road School Dist.
159 Red Bird Dr.
Waterfall, PA 16689

FULTON COUNTY PLANNING COMMISSION



MEMORANDUM

TO: Municipal Officials, Fire Departments, American Red Cross, Emergency Management and Planning Commission Representatives, County Commissioners, Conservation District, PennDOT, State Police, School Districts, Fulton County Medical Center, Chamber of Commerce and Tourism, JLG Industries, and Mellott Company

FROM: Mary K. Seville, *Mary K.*
Planning Director & Hazard Mitigation Officer

DATE: September 9, 2014

RE: Hazard Mitigation Plan Five-Year Review and Update Kickoff Meeting

Many of you were involved in developing and updating the Fulton County Hazard Mitigation Plan several years ago. The time has come to review and update the plan. The County is working with the Pennsylvania Emergency Management Agency (PEMA) and consultant Tetra Tech, Inc. for this update process.

I would like a representative from your municipality/agency to be on the steering committee. The first meeting will be held at 7:00 p.m. on October 9, 2014, in the EOC Conference Room, located in the lower level of the Services for Children Building at 219 N. Second Street in McConnellsburg. We will review the project timeline, conduct a five-year review and discuss the County's capability assessment. Please contact me at 717-485-3717 by October 6th to let me know who will be attending.

Thank you for your continued support and cooperation!

FULTON COUNTY PLANNING COMMISSION



MEMORANDUM

TO: Municipal Officials, Fire Departments, American Red Cross, Emergency Management and Planning Commission Representatives, County Commissioners, Conservation District, PennDOT, State Police, School Districts, Fulton County Medical Center, Chamber of Commerce and Tourism, JLG Industries, and Mellott Company

FROM: Mary K. Seville, *Mary K.*
Planning Director & Hazard Mitigation Officer

DATE: December 24, 2014

RE: Hazard Mitigation Steering Committee Meeting

The next Hazard Mitigation Steering Committee meeting will be held at 7:00 p.m. on January 13, 2015, in the EOC Conference Room, located in the lower level of the Services for Children Building at 219 N. Second Street in McConnellsburg. We will review the results of the risk assessment and capabilities assessment. Please contact me at 717-485-3717 by January 9th to let me know who will be attending.

Thank you for your continued support and cooperation!

Have a Merry Christmas and Happy New Year!!!

FULTON COUNTY PLANNING COMMISSION



MEMORANDUM

TO: Municipal Officials, Fire Departments, American Red Cross, Emergency Management and Planning Commission Representatives, County Commissioners, Conservation District, PennDOT, State Police, School Districts, Fulton County Medical Center, Chamber of Commerce and Tourism, JLG Industries, and Mellott Company

FROM: Mary K. Seville, *Mary K. Seville*
Planning Director & Hazard Mitigation Officer

DATE: February 2, 2015

RE: Mitigation Solutions Workshop

Thank you for your continued service on the Hazard Mitigation Plan (HMP) Steering Committee. We reviewed the risk assessment in January, and now it is time to develop the updated mitigation strategy. We will be holding a mitigation solutions workshop from **6:30 to 8:00 p.m. on Tuesday, February 17, 2015**. The workshop will be held in the EOC Conference Room, located in the lower level of the Services for Children Building at 219 N. Second Street in McConnellsburg. The purpose of this workshop is to review and update the HMP's mitigation goals and objectives, and to identify mitigation actions to include in the updated HMP.

Please contact me at 717-485-3717 by Friday, February 13th, to let me know who will be attending. Thank you again for your continued support and cooperation!

Subbio, Tony

From: Mary K. Seville <mkseville@co.fulton.pa.us>
Sent: Monday, February 02, 2015 11:51 AM
To: Donald Schwartz; Mark Colussy; ptarquino@franklincountypa.gov; sgoodrich@washco-md.net; ddorsey@allconet.org
Cc: Subbio, Tony
Subject: Fulton County Hazard Mitigation Plan Update

To Adjoining County Planning Directors:

We are updating the Fulton County Hazard Mitigation Plan (HMP). We will be holding a public meeting to identify possible mitigation actions to include in our HMP. The meeting will be held from 6:30 to 8:00 p.m. on Tuesday, February 17, 2015, in the EOC Conference Room, located in the lower level of the Services for Children Building at 219 N. Second Street here in McConnellsburg. We would really appreciate your input into our county's HMP, so that we might be able to identify actions that can help both of our counties.

A website has been set up for the project and additional information can be found at www.fultonhmp.com. Please let me know if you have any questions.

Thanks,
Mary K.

Mary K. Seville

Fulton County Planning Commission
Planning & Mapping Director
219 N. Second St., Suite 102
McConnellsburg, PA 17233
Phone: 717-485-3717
Fax: 717-485-6863
e-mail: mkseville@co.fulton.pa.us

Subbio, Tony

From: Ruth Strait <rstrait@co.fulton.pa.us>
Sent: Friday, February 06, 2015 1:51 PM
To: Dave Cubbison; David Donohue; Adam Miller; vbrown@washco-md.net; slee@alleganygov.org
Cc: Subbio, Tony

To Adjoining County Emergency Management Agency Directors:

We are updating the Fulton County Hazard Mitigation Plan (HMP). We will be holding a public meeting to identify possible mitigation actions to include in our HMP. The meeting will be held from 6:30 to 8:00 p.m. on Tuesday, February 17, 2015, in the EOC Conference Room, located in the lower level of the Services for Children Building at 219 N. Second Street here in McConnellsburg. We would really appreciate your input into our county's HMP, so that we might be able to identify actions that can help both of our counties.

A website has been set up for the project and additional information can be found at www.fultonhmp.com. Please let me know if you have any questions.

Ruth

Ruth A. Strait

Fulton County EMA/911
Director
219 N Second St., Suite 106
McConnellsburg, PA 17233
Phone: 717-485-3201
Cell: 717-816-6191
Fax: 717-485-3767

FULTON COUNTY PLANNING COMMISSION



MEMORANDUM

TO: Municipal Officials, Fire Departments, American Red Cross, Emergency Management and Planning Commission Representatives, County Commissioners, Conservation District, PennDOT, State Police, School Districts, Fulton County Medical Center, Chamber of Commerce and Tourism, JLG Industries, and Mellott Company

FROM: Mary K. Seville, *Mary K.*
Planning Director & Hazard Mitigation Officer

DATE: March 31, 2015

RE: Hazard Mitigation Steering Committee Meeting

We are nearing the end of the process to update the Fulton County Hazard Mitigation Plan (HMP). The full draft will soon be finished and ready for your review. Many sections are available already, and you can find them in the “Draft Documents for Review” page of www.fultonhmp.com. We will be holding a Steering Committee meeting from 6:30 to 8:00 p.m. on **Wednesday, April 29, 2015** to review the Steering Committee’s comments on the draft plan. Please review the plan thoroughly prior to the meeting.

The meeting will be held in the EOC Conference Room, located in the lower level of the Services for Children Building at 219 N. Second Street in McConnellsburg. This meeting will be limited to Steering Committee members. Please contact me at 717-485-3717 by Friday, April 24th, to let me know who will be attending. Thank you!

Subbio, Tony

From: Mary K. Seville <mkseville@co.fulton.pa.us>
Sent: Thursday, April 16, 2015 12:19 PM
To: drg@pa.net; belfasttwp@frontier.com; betheltwp@frontiernet.net; brushcreektownship@gmail.com; dvhenry@pa.net; jcroft1961@yahoo.com; lickingcreek01@frontiernet.net; monicamellott@yahoo.com; Gene; Todd Township; union_township@frontier.com; Wells Township; ebr189@aol.com; Buterbaugh, Debra; seleen_fccd@pa.net; Sue Cauffman; emickey@pa.gov; jmsharpe@jlg.com
Cc: Ruth Strait; Subbio, Tony; Stehli, Alysse
Subject: Draft chapters available for Hazard Mitigation Plan

All,

The draft documents for the Hazard Mitigation Plan are available for review on the website – <http://www.fultonhmp.com>

We will be reviewing the draft plan at the meeting on April 29th.

As always, let me know if you have any questions.

Thanks,
Mary K.

Mary K. Seville

Planning & Mapping Director

Fulton County Planning Commission

219 N. Second Street, Suite 102

McConnellsburg, PA 17233

Phone: (717) 485-3717

Fax: (717) 485-6863

e-mail: mkseville@co.fulton.pa.us

Subbio, Tony

From: Mary K. Seville <mkseville@co.fulton.pa.us>
Sent: Wednesday, May 06, 2015 8:57 AM
To: drg@pa.net; belfasttwp@frontier.com; betheltwp@frontiernet.net; brushcreektownship@gmail.com; dvhenry@pa.net; jcroft1961@yahoo.com; lickingcreek01@frontiernet.net; monicamellott@yahoo.com; Gene; Todd Township; union_township@frontier.com; Wells Township; ebr189@aol.com; Buterbaugh, Debra; seleen_fccd@pa.net; Sue Cauffman; emickey@pa.gov; jmsharpe@jlg.com
Cc: Ruth Strait; Subbio, Tony; Stehli, Alysse
Subject: Public Meeting to review draft HMP

All,

I just wanted to send out a reminder that the draft Hazard Mitigation Plan can be found at www.fultonhmp.com, and will be available for public review from May 4 - June 4, 2015. There will be a public meeting to review the draft HMP and collect feedback from **6:30 to 8:00 p.m. on June 4, 2015**. The meeting will be held in the EOC Conference Room, located in the lower level of the Services for Children Building at 219 N. Second Street in McConnellsburg. All interested parties are invited to attend and provide input. This will be the final meeting in the update process.

As always, let me know if you have any questions.

Thanks,
Mary K.

Mary K. Seville

Planning & Mapping Director

Fulton County Planning Commission

219 N. Second Street, Suite 102

McConnellsburg, PA 17233

Phone: (717) 485-3717

Fax: (717) 485-6863

e-mail: mkseville@co.fulton.pa.us



MEETING NOTES

Date	October 9, 2014	Time	7:00 – 9:00 p.m.
Location	Fulton County Emergency Management Agency (EMA)/911, McConnellsburg, PA		
Attendees	Mary K. Seville, Fulton County Planning Commission		
	Ruth Strait, Fulton County EMA/911		
	Delmas Bard, Brush Creek Township		
	Jeff Black, Hustontown Fire 57		
	Jeff Croft, Dublin Township		
	Richard Cutchall, Pennsylvania State Police (PSP)		
	Jeremy Fletcher, Fulton County Planning Commission		
	Denise Grissinger, Ayr Township		
	Marlin Harr, Ayr Township		
	Richard Harr, Belfast Township		
	LuAnne Keebaugh, Licking Creek Township		
	Marcie Mellott, Todd Township		
	Thomas Morton, Belfast Township		
	Murray Romig, Taylor Township		
	Erin Reckner, Thompson Township		
	Jason Sharpe, JLG Industries		
	Bob Shipley, Union Township		
	Seleen Shives, Fulton County Conservation District		
Dwight Washbaugh, Fulton County Chamber of Commerce & Tourism			
Carolyn Wills, Union Township			
Randy Wills, Union Township			
Tony Subbio, Tetra Tech, Inc.			

Purpose

The purpose of the Steering Committee Kickoff Meeting was to begin the process to update the Fulton County Hazard Mitigation Plan (HMP). The meeting provided an opportunity for stakeholders to meet Tetra Tech, Inc.'s (Tetra Tech) project manager, and to discuss the project and stakeholders' roles in the planning process.

Discussion Points

This section summarizes each discussion point addressed during the Steering Committee Kickoff Meeting.



MEETING NOTES

Welcome and Introductions

Ms. Seville welcomed attendees to the meeting and the planning process. Each attendee introduced him/herself and identified the organization he/she represented.

Planning Process

Mr. Subbio discussed the planning process that would be used to update the HMP. The process begins with examining the following hazards of concern for the County, as identified in the 2010 HMP:

- Floods, Flash Floods, and Ice Jams
- Severe Wind Storms
- Environmental Hazards
- Transportation Hazards
- Severe Winter Storms
- Drought
- Wildfires
- Subsidence and Sinkholes
- Hailstorms
- Earthquakes

Mr. Subbio described the Evaluation of Identified Hazards and Risk Worksheet that was distributed to the attendees. This worksheet captures information from each municipality regarding changes in the municipality's vulnerability to the hazards of concern, and additional hazards of concern to be considered. Mr. Subbio also discussed the specific scenarios that will be used in assessing the County's vulnerability to certain hazards. The following scenarios will be examined using the Federal Emergency Management Agency's (FEMA) Hazards U.S. (HAZUS) software:

- Earthquake: the 500-year Mean Return Period (MRP) event
- Flood: the 1-percent annual chance flood
- Severe Wind Storms: the 100-year and 500-year MRP events

Once the risk assessment has been updated, it will be shared with the Steering Committee for review. Required changes will be made based on Steering Committee members' input, and the updated risk assessment will be reviewed at a public meeting.

The next step in the planning process is to update the County's and municipalities' capability assessments. A Capability Assessment Survey was distributed to the attendees to collect information regarding their planning and regulatory, administrative and technical, fiscal, and community political capabilities. Mr. Subbio reviewed each capability category with the attendees.

Mr. Subbio next discussed updating the mitigation strategy. Updating the mitigation strategy consists of reviewing the existing goals and objectives, determining the status of mitigation actions from the 2010 HMP, and identifying new mitigation actions to include in the updated HMP. Mr. Subbio reviewed the Mitigation Strategy 5-Year Mitigation Plan Review worksheet with attendees. The worksheet collects stakeholders' input on the goals and objectives from the 2010 HMP, and provides an opportunity for municipalities to describe the progress made on implementing their mitigation actions over the last 5 years. Mr. Subbio told the attendees that there would be a mitigation strategy workshop conducted during the planning process to help stakeholders identify mitigation actions to include in the HMP.



MEETING NOTES

Mr. Subbio then discussed the layout of the HMP. The risk assessment, capabilities assessment, and mitigation strategy would each be included as a section of the HMP. Other sections include the County Profile, documentation of the planning process, and the plan maintenance section. The County Profile will be updated to include information from the 2010 Census.

The draft HMP will be presented to the Steering Committee for review and comment. Tetra Tech will incorporate any changes identified by the Steering Committee. The draft HMP will then be posted for a period of 30 days, after which there will be a public meeting to collect and review feedback on the HMP. Tetra Tech will address any suggested changes, and will submit the HMP to the Pennsylvania Emergency Management Agency (PEMA) and FEMA for formal review. Tetra Tech will make any required changes and resubmit the HMP, as necessary, until FEMA grants it "approvable pending adoption" (APA) status.

Mr. Subbio explained that the HMP cannot be formally approved by FEMA until the County and at least one participating municipality formally adopts the HMP. FEMA grants APA status to let the communities know that the HMP will be approved once it is adopted, so that the communities do not adopt the HMP only to have to re-adopt it after any changes are made.

Once the HMP secures APA status, the County and the municipalities will formally adopt the updated HMP and begin the implementation process, which will include conducting regular meetings of the Steering Committee and other stakeholders, and implementing specific actions and projects.

Schedule

Mr. Subbio reviewed the following project schedule with attendees:

- The risk assessment will be updated by January 2015.
- The capabilities assessment will be updated in October and November 2014.
- The mitigation strategy will be updated between October 2014 and February 2015.
- The HMP will be drafted by early March 2015, and submitted to PEMA for review by mid-April 2015.
- The HMP will be submitted to FEMA for review in early May 2015.
- Depending on how long the FEMA review takes, the HMP will receive APA status by mid-July 2015.

Next Steps

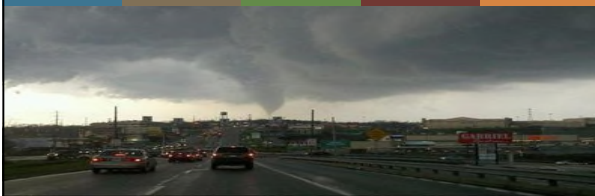
Ms. Seville stated that the County has most of the relevant community planning documents on the Planning Department's website, but asked that attendees send any additional documents to her for incorporation in the HMP. Municipalities will complete the three worksheets and provide them to Ms. Seville. Tetra Tech will complete the risk assessment and post the draft hazard profiles to the project website.

Ms. Seville and Mr. Subbio thanked attendees for their time and participation.



Tetra Tech
COMPUTER. WORLD. CLEAR SOLUTIONS.SM

**Fulton County
Hazard Mitigation Plan (HMP)
Update**



A photograph showing a multi-lane highway with several cars driving away from the viewer. The sky is dark and overcast, suggesting an approaching storm or late evening. The background shows some buildings and infrastructure.

Agenda

- Introductions
- Process
- Schedule
- Next Steps
- Questions

Introductions

- Name
- Organization
- Focus and Concerns

Process

- Update the Risk Assessment
- Update the Capabilities Assessment
- Update the Mitigation Strategy
- Update Other Sections of the HMP
- Submit the HMP for Review
- Adopt the HMP
- Implement the HMP

Update the Risk Assessment

- Hazards
 - Floods, Flash Floods, and Ice Jams
 - Severe Winter Storms
 - Hailstorms
 - Severe Wind Storms
 - Drought
 - Earthquakes
 - Environmental Hazards
 - Wildfires
 - Transportation Hazards
 - Subsidence and Sinkholes
- Evaluation of Identified Hazards and Risk Worksheet

Update the Risk Assessment

- HAZUS-MH Analysis
 - Earthquake – 500-year MRP event
 - Flood – 1-percent annual chance floodplain
 - Wind – 100-year and 500-year MRP events
- Review with Steering Committee
- Conduct Public Meeting



Update the Capabilities Assessment

- Planning and Regulatory Capability
- Administrative and Technical Capability
- Fiscal Capability
- Community Political Capability
- Overall Self-Assessment of Capability
- Capability Assessment Survey

Update the Mitigation Strategy

- Review Goals and Objectives
- Determine Status of Mitigation Actions
- Identify New Mitigation Actions/Projects
- Mitigation Strategy Workshop
- Review with Steering Committee
- Conduct Public Meeting
- Mitigation Strategy 5-Year Mitigation Plan Review

Update Other Sections of the HMP

- County Profile
 - Update to 2010 Census
- Planning Process
 - Documentation of the update process
- Plan Maintenance
 - Incorporation in other plans
 - Other plans' incorporation into the updated HMP

Submit the HMP for Review

- Review Draft with Steering Committee
- 30-day Public Comment Period
- Conduct Public Meeting to Review the Draft
- Submit for Pennsylvania Emergency Management Agency (PEMA) Review
 - 7-14 days
- Submit for Federal Emergency Management Agency (FEMA) Review
 - 45 days
- “Approvable Pending Adoption” Status

Adopt the HMP

- County and at least One Participating Municipality
- FEMA Approval
- Adoption Deadline

Implement the HMP

- Steering Committee Meetings
- Stakeholder Meetings
- Implement Mitigation Actions and Projects



Schedule

- Risk Assessment
 - October 2014 – January 2015
- Capabilities Assessment
 - October 2014 – November 2014
- Mitigation Strategy
 - October 2014 – February 2015
- Plan Drafted by early March 2015
- Submit to PEMA by mid-April 2015
- Submit to FEMA in early May 2015
- “Approvable Pending Adoption” by mid-July 2015

Next Steps

- Document Request
- Complete Municipal Worksheets
- Update the Risk Assessment

Questions?

Thank you for your time!

Contacts



Mary K. Seville
mkseville@co.fulton.pa.us
(717) 485-3717



Tony Subbio
tony.subbio@tetrattech.com
(717) 545-3580



AGENDA

FULTON COUNTY HAZARD MITIGATION PLAN UPDATE Steering Committee Kickoff Meeting Agenda

Thursday, October 9, 2014 | 7:00 p.m. – 9:00 p.m.

1. Introductions

2. Process

- a. Update the Risk Assessment
 - b. Update the Capabilities Assessment
 - c. Update the Mitigation Strategy
 - d. Update Other Sections of the Hazard Mitigation Plan (HMP)
 - e. Submit the HMP for Review
 - f. Adopt the HMP
 - g. Implement the HMP
-

3. Schedule

4. Next Steps

- a. Document Request
 - b. Complete Municipal Worksheets
 - c. Update the Risk Assessment
-

5. Questions



Evaluation of Identified Hazards and Risk

Name: _____ Title: _____

Jurisdiction: _____

PART I

Identified Hazards 2010 HMP	How has the frequency of occurrence, magnitude of impact, and/or geographic extent changed in your community? <i>NC = No Change; I = Increase; D = Decrease</i> <i>(Please provide an explanation for any hazards marked I or D in the "Additional Comments" column)</i>	Additional Comments
Drought		
Earthquakes		
Environmental Hazards		
Floods, Flash Floods, and Ice Jams		
Hailstorms		
Severe Wind Storms		
Severe Winter Storms		
Subsidence and Sinkholes		
Transportation Hazards		
Wildfires		

PART II

Other Hazards:

Do any of these hazards, not previously profiled in the County's hazard mitigation plan; have the potential to affect your municipality significantly? (If so, please check the box)

Natural

- | | |
|--|--|
| <input type="checkbox"/> Avalanche/Glacier | <input type="checkbox"/> Landslides |
| <input type="checkbox"/> Coastal Erosion | <input type="checkbox"/> Lighting Strike |
| <input type="checkbox"/> Dust, Sand Storm | <input type="checkbox"/> Pandemic and Infectious Disease |
| <input type="checkbox"/> Expansive Soils | <input type="checkbox"/> Radon Exposure |
| <input type="checkbox"/> Extreme Temperature | <input type="checkbox"/> Tsunami |
| <input type="checkbox"/> Hurricane, Tropical Storm, Nor'easter | <input type="checkbox"/> Volcano |
| <input type="checkbox"/> Invasive Species | |

Human-Caused

- | | |
|---|--|
| <input type="checkbox"/> Building or Structure Collapse | <input type="checkbox"/> Fixed Nuclear Facility |
| <input type="checkbox"/> Civil Disturbance | <input type="checkbox"/> Levee Failure |
| <input type="checkbox"/> Dam Failures | <input type="checkbox"/> Nuclear Attack |
| <input type="checkbox"/> Disorientation | <input type="checkbox"/> Terrorism |
| <input type="checkbox"/> Drowning | <input type="checkbox"/> Urban Explosion |
| <input type="checkbox"/> Energy Emergencies | <input type="checkbox"/> Utility Interruption |
| <input type="checkbox"/> Fire | <input type="checkbox"/> War and Criminal Activity |

Other Comments:

[Empty comment box]

Capability Assessment Survey

Jurisdiction: _____

Point of Contact Name and Title: _____

Phone: _____

Email: _____

1. Planning and Regulatory Capability: Please indicate whether the following planning or regulatory tools and programs are currently in place or under development for your jurisdiction by placing an "X" in the appropriate box, followed by the date of adoption/update. Then, for each particular item in place, identify the department or agency responsible for its implementation and indicate its estimated or anticipated effect on hazard loss reduction (Supports, Neutral or Hinders) with the appropriate symbol and also indicate if there has been a change in the ability of the tool/program to result in loss reduction. Finally, please provide additional comments or explanations in the space provided.

Tool / Program	Status			Dept./Agency Responsible	Effect on Loss Reduction: + Support O Neutral - Hinder	Change Since Last Plan: + Positive - Negative	Comments
	In Place	Date Adopted or Updated	Under Development				
<i>EXAMPLE: Hazard Mitigation Plan</i>	X	1/1/2006		Hazard County EMA	+	+	Interim update in 2008 revised mitigation strategy; completed one action.
Hazard Mitigation Plan							
Emergency Operations Plan							
Disaster Recovery Plan							
Evacuation Plan							
Continuity of Operations Plan							
NFIP							
NFIP – Community Rating System							
Floodplain Regulations (spec. NFIP Flood Damage Prevention Ordinance)							
Floodplain Management Plan							



Tool / Program	Status			Dept./Agency Responsible	Effect on Loss Reduction: + Support O Neutral - Hinder	Change Since Last Plan: + Positive - Negative	Comments
	In Place	Date Adopted or Updated	Under Development				
Zoning Regulations							
Subdivision Regulations							
Comprehensive Land Use Plan (or General, Master or Growth Mgt. Plan)							
Open Space Management Plan (or Parks/Rec or Greenways Plan)							
Stormwater Management Plan / Ordinance							
Natural Resource Protection Plan							
Capital Improvement Plan							
Economic Development Plan							
Historic Preservation Plan							
Farmland Preservation							
Building Code							
Fire Code							
Firewise							
Storm Ready							
Other							

2. Administrative and Technical Capability: Please indicate whether your jurisdiction maintains the following staff members within its current personnel resources by placing an “X” in the appropriate box. Then, if YES, please identify the department or agency they work under and provide any other comments you may have in the space provided or with attachments.

Staff/Personnel Resources	Yes	No	Department/Agency	Comments
Planners (with land use / land development knowledge)				
Planners or engineers (with natural and/or human caused hazards knowledge)				
Engineers or professionals trained in building and/or infrastructure construction practices (includes building inspectors)				
Emergency Manager				
NFIP Floodplain Administrator				
Land Surveyors				
Scientists or staff familiar with the hazards of the community				
Personnel skilled in Geographic Information Systems (GIS) and/or FEMA’s HAZUS program				
Grant writers or fiscal staff to handle large/complex grants				
Staff with expertise or training in Benefit-Cost Analysis				
Other				

3. Fiscal Capability: Please indicate whether your jurisdiction has access to or is eligible to use the following local financial resources *for hazard mitigation purposes* (including as match funds for State or Federal mitigation grant funds). Then, identify the primary department or agency responsible for its administration or allocation and provide any other comments you may have in the space provided or with attachments.

Financial Resources	Yes	No	Department/Agency	Comments
Capital Improvement Programming				
Community Development Block Grants (CDBG)				
Special Purpose Taxes				
Gas / Electric Utility Fees				
Water / Sewer Fees				
Stormwater Utility Fees				
Development Impact Fees				
General Obligation, Revenue, and/or Special Tax Bonds				
Partnering Arrangements or Intergovernmental Agreements				
Other				

- 4. Community Political Capability:** Political capability in this instance is being measured by the degree to which local political leadership (including appointed boards) is willing to enact policies and programs that reduce hazard vulnerabilities in your community, even if met with some opposition. Examples may include guiding development away from identified hazard areas, restricting public investments or capital improvements within hazard areas, or enforcing local development standards that go beyond minimum State or Federal requirements (e.g., building codes, floodplain management, etc.). Rate the jurisdiction’s political capability to enact policies and programs that reduce hazard vulnerabilities on a scale from 0 to 5. Generally, a higher the score corresponds to a higher degree of community political capability.



5-Very Willing

3-Moderately Willing

0-Unwilling to Adopt Policies/Programs

Score: _____

5. Self-Assessment of Capability: Please provide an approximate measure of your jurisdiction's capability to effectively implement hazard mitigation strategies to reduce hazard vulnerabilities. Using the following table, please place an "X" in the box marking the most appropriate degree of capability (Limited, Moderate or High) based upon best available information and the responses provided in Sections 1-5 of this survey. For multi-jurisdictional plans, record the results of this section into the Self-Assessment Capability Matrix in **Appendix 4**.

Area	Degree of Capability		
	Limited	Moderate	High
Planning and Regulatory Capability			
Administrative and Technical Capability			
Fiscal Capability			
Community Political Capability			
Community Resiliency Capability			

Mitigation Strategy 5-Year Mitigation Plan Review

Purpose: To fulfill requirement that plan maintenance from previous plan has been completed and to obtain early feedback from the local mitigation planning committee on the plan update to incorporate into the update process.

Instructions: Complete the *Goal and Objective Review Worksheet* and *Mitigation Action Plan Review Worksheet* on the next two pages keeping the following questions in mind:

- Do the goals, objectives, and actions address current and expected conditions?
- Go through each goal and objective to determine: Should goal be carried forward into updated plan? Should goal be changed based on current conditions in community? Should goal be discontinued and if so why?
- Progress on actions should be noted. For each action the following questions should be answered: What is status? What progress has been made? Should action be continued in updated plan? Should action be discontinued and if so why?
- Has the nature or magnitude of hazard risk changed?
- Are current resources adequate to implement the Plan?
- Should additional local resources be committed to address identified hazard threats?
- Are there any issues that have limited the current implementation schedule?
- Have the implementation of identified mitigation actions resulted in expected outcomes?
- Has the Mitigation Planning Committee measured the effectiveness of completed hazard mitigation projects in terms of specific dollar losses avoided?
- Did the jurisdictions, agencies and other partners participate in the plan implementation process as proposed?
- Other?

Before completing the worksheets, the group may wish to discuss the above questions in a round robin format, using a flip chart. The questions are standard questions; however it is important to check the existing hazard mitigation plan maintenance section to see if there are additional questions that need to be considered.

Goal and Objective Review Worksheet

Instructions: Write each goal and objective identified in the existing hazard mitigation plan. Use the comment boxes to provide feedback or to suggest modification of any of the proposed goals or objectives. You may suggest additional objectives below each goal, or new goals and objectives on the last page of this exercise.

Existing Goals and Objectives		Comments
Goal 1	Prevent hazards from impacting the community.	
Objective 1.A	Work with the municipalities to create and/or update land use regulations (e.g., zoning, subdivision, and land development).	
Objective 1.B	Complete and/or update stormwater management plans for all the watersheds in the County.	
Objective 1.C	Address areas of roadways that are vulnerable to hazard impacts.	
Goal 2	Protect the people, property, and environment in hazard areas.	
Objective 2.A	Examine property protection measures and their applicability to the community.	
Objective 2.B	Identify hazard areas in which property protection measures would be most effective.	

Existing Goals and Objectives		Comments
Goal 3	Maintain and enhance emergency services capabilities in the community.	
Objective 3.A	Ensure adequate communications capabilities among emergency response organizations.	
Objective 3.B	Continue to train municipal Emergency Management Coordinators on hazard protection and response.	
Objective 3.C	Ensure adequate water supply to fight urban and wildland fires.	
Goal 4	Protect natural resources within the hazard areas.	
Objective 4.A	Continue working with the Conservation District to ensure that the County’s natural resources are protected.	
Objective 4.B	Maintain environmental education programs that the conservation and extension offices conduct, and perhaps create new ones.	
Goal 5	Ensure that stakeholder groups have necessary information to mitigate against hazard impacts.	
Objective 5.A	Continue StormReady program participation.	
Objective 5.B	Update and maintain the County Web site with current information from all departments.	
Objective 5.C	Maintain the linkage between the County GIS and tax assessment records to obtain information on condition, number of stories, and age of construction.	

Suggested Additional Goals and/or Objectives		Comments
Goal		
Objective		
Objective		
Objective		

Goal		
Objective		
Objective		
Objective		

Goal		
Objective		
Objective		
Objective		



Mitigation Action Plan Review Worksheet

Instructions: List each mitigation action from the existing hazard mitigation plan and identify its status as “No Progress / Unknown,” “In Progress / Not Yet Complete,” “Continuous,” “Completed,” or “Discontinued.” Include review comments for each action.

Existing Mitigation Action	Status					Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	Discontinued	
1.A.1: Conduct workshops and training for municipal officials on the benefits of land use regulations to protect new and existing structures and infrastructure.						
1.B.1: Create and maintain stormwater management plans for the County’s watersheds.						
1.C.1: Redesign the Timber Ridge Road, Great Cove Road (US-522) intersection to provide adequate sight distance for motorists turning from Timber Ridge Road.						
1.C.2: Lower and slope the road bank at the intersection of Sipes Mill Road (SR 4001) and Palmer Road (T-383) to increase visibility when entering Sipes Mill Road.						
1.C.3: Replace three tiles on Johnstons Drive with one squash tile.						
1.C.4: Construct a bridge on Creek Road (T-388) in Licking Creek Township over the creek fording.						
1.C.5: Replace the road tile on Back Hollow Road in Harrisonville.						
1.C.6: Increase visibility at the intersection of Great Cove Road (US-522) and Alpine Road.						
1.C.7: Increase visibility at the intersection of Great Cove Road (US-522) and Bethel Church Road.						



Existing Mitigation Action	Status					Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	Discontinued	
1.C.8: Increase visibility at the intersection of State Route 643 and Spring Road.						
1.C.9: Increase visibility at the intersection of Stoney Break Road and Black Oak Road.						
1.C.10: Increase visibility at the intersection of Buck Valley Road and Mays Chapel Road.						
2.A.1: Obtain information on existing and proposed new structures in the areas with the highest relative vulnerability to determine the best property protection methods. The following information should be obtained: <ul style="list-style-type: none"> • Lowest-floor elevation • Number of stories • Presence of a basement • Market and/or replacement value 						
2.A.2: Obtain information for all existing and proposed new structures in the 1% chance floodplain to determine the best property protection methods to promote with individual property owners.						
2.A.3: Examine the effects of requiring anchor straps and improved roofing shingles on new and existing manufactured homes and residences of the County.						
2.B.1: Establish a Firewise Program in the County, especially around the Meadow Grounds Lake, Cowans Gap State Park, and Breezewood Park.						
3.A.1: Identify and apply for funding to enhance the County's radio system.						
3.A.2: Identify and apply for funding to upgrade the County's emergency responders' radio equipment.						

Existing Mitigation Action	Status					Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	Discontinued	
3.A.3: Identify and implement backup communications systems for emergency response organizations.						
3.B.1: Include hazard mitigation periodically as a topic in the Quarterly Emergency Management Coordinator Training session(s).						
3.C.1: Install dry hydrant locations along PA-655 to assist the Needmore Fire Company.						
4.A.1: Protect natural wetlands that may absorb floodwaters.						
4.A.2: Implement programs deemed necessary by the Conservation District.						
4.B.1: Coordinate with the conservation and extension offices to provide education and training to emergency responders, managers, and municipal officials.						
5.A.1: Recruit SkyWarn Spotters in the County.						
5.A.2: Encourage major employers and other facilities to participate in the subordinate StormReady programs.						
5.B.1: Seek relevant input from all departments during the pre-impact, impact, and post-impact phases of an emergency.						
5.C.1: Identify and fill gaps in information needed to conduct vulnerability analysis in hazard areas.						
5.C.2: Evaluate GIS and other software packages to find the ideal system for the County's use.						





FULTON COUNTY HAZARD MITIGATION PLAN UPDATE
Steering Committee Kickoff Meeting

SIGN-IN

Thursday, October 9, 2014 | 7:00 p.m. – 9:00 p.m.

NAME	AGENCY/ORGANIZATION	E-MAIL ADDRESS	TEL.
Marcie Mellott	Todd Township	Hoddtownship@comcast.net	987-3812
Jeff Black	Hurstown Fire 57	jblack05@comcast.net	987-3063
Dwight Wlaschke	Fulton County Chamber of Commerce & Tourism	wil@fultoncounty.pa.com	485-4064
Murray Romig	Taylor Township		685-5857
Allen Liles	Union Twp.	union-township@frontier.com	294-6251
Randy Willis	"	"	294-6251
Bob Stripler	Union Township	"	2946901
Richard Alan	Beltast Twp		573-4237
Seleen Shives	Fulton Co. Conservation Dist.	seleen-fccd@pa.net	485-3547





FULTON COUNTY HAZARD MITIGATION PLAN UPDATE
Steering Committee Kickoff Meeting

SIGN-IN

Thursday, October 9, 2014 | 7:00 p.m. - 9:00 p.m.

NAME	AGENCY/ORGANIZATION	E-MAIL ADDRESS	TEL.
Ruth Strait	EMA 911	rstrait@co.fulton.pa.us	717-485-3201
JEFF CROFT	DUBLIN TWP	JCROFT1961@YAHOO.COM	717-491-0676
Richard Creamer	PA STATE FORCE	Richard.E.Creamer@pa.gov	717-485-2171
Mant. Seale	Fulton Co. Planning	MSeale@co.fulton.pa.us	717-485-3717
Reynold Bawl	BRUSH CREEK TWP	REYNOLD@YHOO.COM	717-294-3403
Markie Bawl	BRUSH CREEK TWP		717-485-4211
Kathrine Keiback	Licking Creek Twp	lickingcreek01@frontier.net	717-830-3115
Jason Sharpe	JLG	JMSHARPE@JLG.COM	717-485-6423
Thomas Myer	Belfast		301-988-8089
Gene Taylor	THOMPSON TWP	EBR1892@AOL.COM	717-294-3922
Denise Grissinger	Ayr Twp	drge@pa.net	717-485-4907
Jeremy Fletcher	Fulton Co. Planning Comm.	JFletcher770@comcast.net	717-485-5442
Tony Subbio	Tefa Tech, Inc	tony.subbio@tefatel.com	717-545-3580



Minutes from October 13, 2014

The 92nd Annual Convention of the Fulton County Association of Township Officials was held on Monday, October 13, 2014, at the Hustontown Fire Hall, Hustontown, PA.

The meeting was opened by the President Delmas Bard, followed by the Pledge of Allegiance.

An invocation was led by Commissioner Rodney McCray.

Roll call was given and recorded for the a.m. session.

President Bard introduced the guests and advertisers.

The morning speakers were:

Senator John Eichelberger spoke about advertising to have a centralized website somewhere in PA and have each township pay a small fee to advertise on the website.

Rep. Jesse Topper spoke about pension reform.

Tickets were drawn for door prizes throughout the day.

The tax collectors were dismissed to meet with Sherry B. Labs, Tax Collectors Association.

Kirk Montrose, PSATS Director of Human Services, introduced Marvin G. Meter, Assistant Secretary/Treasurer PSATS. He encouraged everyone to attend the 93rd Annual Educational Conference & Trade Show at Hershey Lodge and to participate in the workshops. Kirk Montrose presented a slide presentation. He began by presenting their services available through PSATS & legislative issues.

We broke for a thirty minute break.

Commissioner Rodney McCray, Craig Cutchall, and Irvin Dasher were next after the break. Commissioner Dasher began asking for questions. John Black inquired about money. Craig Cutchall said they were going to make an attempt to get some revenue for the township. Rodney McCray said they are looking at a 911 service. Financially Fulton County cannot afford a new plan to do their own.

John Pezze from Penn Dott informed us of things with which he would be helping the townships.

Mary Kay Seville spoke about the Hazard Mitigation Plan. She has a packet she is mailing to each township.

Greg Reineke from the Fulton County Conservation District was next. He addressed the recycling program. Our recycling rate is higher than any of the other counties. We dismissed for lunch. A prayer of thanks was given by President Delmas Bard.

John Keefer was the winner of the bridge identification contest.

SAPDC representatives were present to tell us about training that is available online.

Scott Alexander was present from the Fulton County Conservation District to talk about the Dirt and Gravel Road Program.

Selene Shives from the Fulton County Conservation District told us the county wants to focus on their relationships with townships. They want to send out their newsletter on a quarterly basis.

A business meeting was conducted next. Richard Downey made a motion to approve the minutes as read, seconded by George Black. Motion carried.

George Black made a motion to approve the treasurer's report, seconded by Carole Barton. Motion carried.

Denise Grissinger made a motion to have the election of officers remain the same as last years, seconded by George Black. Motion carried.

Denise Grissinger made a motion to nominate Ed Swope to serve as the Government Liaison for the Fulton County Conservation District Board, seconded by George Black. Motion carried.

Denise Grissinger made a motion to adjourn at 1:20 p.m., seconded by George Black. Motion carried.

Respectfully submitted,

Donna J. Lynch, Assistant Sec.

Donna J. Lynch, Assistant Secretary

Township Association Convention
Hustontown Firehall
October 13, 2014 - 9:00 a.m.

NAME	AGENCY
1. Robert T. Layton	Bural Creek Twp
2. Dixie Henry	Dublin Township
3. Monica Mellott	Taylor Township
4. Denise Grissinger	Ayr Township
5. Paula Shives	Belfast Twp
6. Thomas S. Mellott	Thompson
7. Gene Mellott	Thompson
8. Bob Chadley	Thompson Twp.
9. M A M	KELLER ENGINEERS
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Township Association Convention
 Hustontown Firehall
 October 13, 2014 - 9:00 a.m.

NAME	AGENCY
1. John Keeler	Belfast TWP
2. Ray E. Powell	Bethel TWP
3. Richard Harr	Belfast Twp
4. Thomas Morton	Belfast Twp
5. Ruthann Golden	Bethel Twp
6. Donald Snyder	Belfast Twp
7. Randy Willis	Union Twp
8. Carolyn Weiss	Union Twp.
9. BRETT REMSBURG	BETHEL TWP
10. Gail Potter	Union Township
11. Ray Messick	
12. Doran Gress	Licking Creek.
13. Ed Swope	Licking creek
14. Peggy Wagner	Licking creek
15. Kimberly Siedt	AYR
16. Carl Duane Souders	Wells
17. Karole S. Barton	Wells.
18. Kevin Bricker	wells
19.	
20.	
21.	
22.	
23.	

Township Association Convention
Hustontown Firehall
October 13, 2014 - 9:00 a.m.

NAME	AGENCY
1. Mary K. Senille	Fulton Co. Planning
2. Mack Chavinger	Todd Twp
3. Marlin HARR	AYR Twp
4. STANLEY MELLOTT	TODD TWP
5. Rodney McRAY	FULTON COUNTY COMMISSIONER
6. Craig Cutchall	Fulton County Commissioner
7. Irvin Dasher	Fulton Co. Coman.
8. Karen Hann	CDBG
9. Richard Doney	Taylor
10. Murray Romig	Taylor Taylor
11. Thurman E. Nestler III	AYR Twp
12. Mattie Butcher	Taylor
13. H. Clyde Brent	Taylor
14. George Black	Dublin
15. Tom Sayler	Dublin
16. John Black	Taylor
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MEETING NOTES

Date	January 13, 2015	Time	7:00 – 8:15 p.m.
Location	Fulton County Emergency Management Agency (EMA) /9-1-1, McConnellsburg, PA		
Attendees	Mary K. Seville, Fulton County Planning Commission		
	Ruth Strait, Fulton County EMA/9-1-1		
	Jim Kerstetter, Pennsylvania Emergency Management Agency		
	Ed Mickey, Pennsylvania Department of Transportation		
	John Keefer, Belfast Township		
	Jeff Croft, Dublin Township		
	Denise Grissinger, Ayr Township		
	Gary Hopkins, Ayr Township		
	Donna Welsh, Ayr Township		
	Irvin Dasher, Ayr Township		
	LuAnne Keebaugh, Licking Creek Township		
	Eric Reckner, Thompson Township		
	Tony Subbio, Tetra Tech, Inc. (Tetra Tech)		
Alysse Stehli, Tetra Tech			

Purpose

The purpose of the Steering Committee Risk Assessment Meeting was to provide an update on the Fulton County Hazard Mitigation Plan (HMP) status, with a specific focus on the risk assessment and hazard profile results. The meeting provided an opportunity for stakeholders to contribute additional local-level information about hazard probability and impact on Fulton County.

Discussion Points

This section summarizes each discussion point addressed during the Steering Committee Risk Assessment Meeting.

Welcome and Introductions

Ms. Seville welcomed attendees to the meeting and the planning process. Mr. Subbio also welcomed attendees and introduced the purpose of the meeting.

Worksheet Completion Status

Mr. Subbio and Ms. Seville reviewed the municipal worksheets provided to Steering Committee representatives and identified the municipalities remaining. As of the start of the meeting, four municipalities still needed to provide completed worksheets; however, one municipal representative brought completed worksheets to the meeting. Two of the remaining three municipalities are expected to provide their completed worksheets prior to the end of January 2015.



MEETING NOTES

Risk Assessment

Ms. Stehli explained the organizational structure behind the Risk Assessment section in the HMP, including each hazard profile subsection (i.e., location and extent, range of magnitude, past occurrences, future occurrences, and vulnerability assessment), to provide the Steering Committee with a thorough understanding of the information researched and the process behind the final risk analysis.

Ms. Stehli then provided a brief overview of research results for each hazard profiled in the HMP, including the following hazards:

- Dam Failure
- Drought
- Earthquake
- Environmental Hazards (Hazardous Materials)
- Floods, Flash Floods, and Ice Jams
- Hailstorms
- Landslide
- Radon Exposure
- Subsidence and Sinkholes
- Tornadoes and Windstorms
- Transportation Accidents
- Wildfire
- Winter Storm

Mr. Subbio provided additional explanation to the Steering Committee regarding the process the Tetra Tech team used to estimate potential losses for the County. Specifically, he explained that Tetra Tech uses the Federal Emergency Management Agency's (FEMA) Hazards U.S. (HAZUS) software to identify specific loss numbers for the following scenarios:

- Earthquake: the 500-year mean return period (MRP) event
- Flood: the 1-percent annual chance flood
- Severe Wind Storms: the 100-year and 500-year MRP events

Steering Committee members had the opportunity to provide input and additional information to further enhance each hazard profile. Mr. Subbio and Ms. Stehli will ensure that this information is then included in the relevant hazard profile prior to completion of the draft HMP. Steering Committee attendees provided additional information on the following three hazards:

- Dam Failure – Cowan's Gap is in Todd Township. The Meadow Grounds dam was drained approximately 2 years ago, and is currently dry. Tetra Tech will adjust the worst-case scenario information in the hazard profile.
- Hailstorm – On or near May 26, 2010, the County experienced a severe hailstorm that caused approximately \$100,000 worth of damage. Thompson Township, in particular, was impacted by the



MEETING NOTES

hailstorm. The County will provide additional loss data and photographs of the event to Tetra Tech for inclusion in the HMP.

- Landslide – Steering Committee members referenced a landslide event in Cowan’s Gap that they learned about through the Pennsylvania Department of Environmental Protection (PADEP). Additional information about this event may not be available.
- Transportation Accidents/Environmental Hazards – A Concentrated Animal Feeding Operations (CAFO) facility is expected to be built within the County in the near future. The construction of this facility has led to some public concern, as it will be built along U.S. Route 522 and Cove Creek. Much of the concern relates to the potential for increased truck traffic and its impact on local congestion, as well as ensuring the safe transportation of animal refuse. Although this is not the first CAFO to be built in the County, it will be one of the largest.

After summarizing the individual hazard profiles, Ms. Stehli shared the current draft risk analysis results and a handout detailing the analytical process. The Steering Committee reviewed the risk analysis and had the opportunity to ask questions about specific rankings and numbers. No major concerns with the analysis results were noted.


Next Steps

Mr. Subbio reviewed the following next steps with attendees:

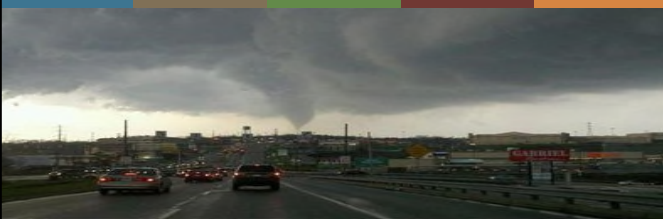
- Risk Assessment Review – The public Risk Assessment Review will be held on January 27, 2015, at 6:30 p.m., in the same location as the Steering Committee Risk Assessment Meeting. Steering Committee members were encouraged to attend the public meeting and to share information about the public meeting with interested stakeholders. Ms. Seville announced that the meeting had been publicly advertised in the local newspaper.
- Capabilities Assessment – The Tetra Tech team is currently working on the Capabilities Assessment portion of the draft and will provide information updates or data requests to the Steering Committee, as needed.
- Mitigation Strategies Workshop – Mr. Subbio and Ms. Seville will review calendar availability over the next few weeks to identify a time and date for the Mitigation Strategies Workshop. The date and time will then be shared with Steering Committee members as soon as it is confirmed.

With no further questions, Ms. Seville and Mr. Subbio thanked attendees for their time and participation.

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Fulton County Hazard Mitigation Plan (HMP) Update



Agenda


- Worksheet Completion Status
- Risk Assessment Results
- Next Steps
- Questions

Worksheet Completion Status

- Still need
 - Brush Creek Township
 - McConnellsburg Borough
 - Thompson Township
 - Valley-Hi Borough

Risk Assessment Results

- Dam Failure
 - 7 Dams; 3 High-Hazard
 - No history of dam failures
 - Everything within inundation zone is vulnerable



Risk Assessment Results

- Drought
 - History: 6 droughts since 1980
 - \$1.4 million in lost crop insurance payments since 1948
 - Exposure: 112,210 acres of farmland; \$53 million per year

Risk Assessment Results

- Earthquake
 - History: none with epicenters in the County
 - Annualized Losses: \$5,117
 - Losses from 500-year mean return period event:
 - \$420,548
 - 603 tons of debris

Risk Assessment Results

- Environmental Hazards (Hazardous Materials)
 - 23 spills/releases since 2004
 - Entire County is vulnerable
 - Expected damage depends on the incident



Risk Assessment Results

- Flood, Flash Flood, and Ice Jam (1% annual chance)
 - History
 - Fulton County was declared a federal disaster area 7 times since 1954
 - 6 major floods since 2010
 - \$30,850,000 in exposed property value
 - Expected Losses:
 - \$16.9 million
 - 1,738 tons of debris
 - 614 households displaced
 - 37 people seeking shelter



Risk Assessment Results

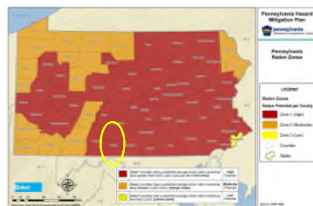
- Hailstorm
 - History: 11 hailstorms since 1950, up to 2.75 inches in diameter
 - \$2,000 in property damage reported since 1950
 - Exposure:
 - 112,210 acres of farmland
 - \$53 million per year

Risk Assessment Results

- Landslide
 - History: no recorded landslides
 - Exposed Property Value: \$1.45 billion in property value over entire County
 - Expected losses depend on the nature of the landslide

Risk Assessment Results

- Radon Exposure
 - High exposure potential
 - 72% of homes in the County have measured radon levels above 4 picoCuries per liter (pCi/L)
 - U.S. average is about 1.3 pCi/L



Risk Assessment Results

- Subsidence and Sinkholes
 - History: 4 recorded sinkholes and dozens of surface depressions
 - Exposure:
 - Over 4,000 people
 - \$430 million in property value



Risk Assessment Results

- Tornado, Windstorms
 - History: 60 events since 1950
 - Exposure: entire County's building stock
 - Expected Losses – 500-year Mean Return Period (MRP) (70-71 miles per hour [mph]):
 - \$636,838
 - Over 3,700 tons of debris
 - Over \$5,800 in annualized losses

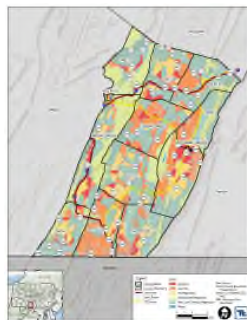
Risk Assessment Results

- Transportation Accidents
 - 1,476 major accidents, 2008-2012
 - Damages depend on the nature of the accident
 - Economic impacts
 - 295 accidents/year expected



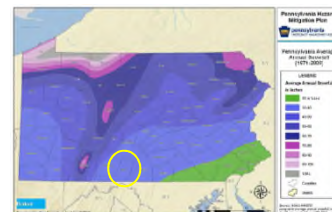
Risk Assessment Results

- Wildfire
 - 18 wildfires, 2002-2013
 - Exposure:
 - 9,841 people
 - 5,500+ structures
 - \$854 million in property value



Risk Assessment Results

- Winter Storm
 - 17 major winter storm events since 1950
 - 4 disaster declarations since 1954
 - Exposure
 - Entire County is vulnerable
 - Up to \$886 million in structural value



Risk Assessment Results

Risk Factor Analysis

HAZARD RISK	NATURAL HAZARD	RISK ASSESSMENT CATEGORY					RISK FACTOR (RF)
		PROBABILITY	IMPACT	SPATIAL EXTENT	WARNING TIME	DURATION	
HIGH	Flood, Flash Flood, and Ice Jam	4	4	4	3	4	4.8
	Winter Storm	4	3	4	1	4	3.4
	Formidable Winds/Storm	4	2	4	3	4	3.3
	Transportation Accidents	4	2	2	4	2	2.8
	Environmental Hazards	3	2	2	4	3	2.6
	Drought	3	1	4	1	4	2.5
MODERATE	Dam Failure	1	3	2	4	3	2.3
LOW	Radiation Exposure	3	1	1	4	1	1.9
	Wildfire	1	2	1	4	2	1.7
	Landslide	1	1	1	4	4	1.6
	Explosions and Spillages	1	1	1	4	4	1.6
	Hailstorm	1	2	1	3	1	1.5
	Earthquake	1	1	1	4	1	1.3

Next Steps

- Risk Assessment Review at Public Meeting on January 27, 2015
- Capabilities Assessment
- Mitigation Strategies Workshop – Date/Time to be Determined (TBD)

Questions?

Thank you for your time!

Contacts



Mary K. Seville
mkseville@co.fulton.pa.us
 (717) 485-3717



Tony Subbio
tony.subbio@tetrattech.com
 (717) 545-3580



AGENDA

FULTON COUNTY HAZARD MITIGATION PLAN UPDATE Steering Committee Risk Assessment Review Meeting Agenda

Tuesday, January 13, 2015 | 7:00 p.m. – 8:30 p.m.

-
1. **Welcome**

 2. **Worksheet Completion Status**

 3. **Risk Assessment Results**
 - a. Hazard Profiles
 - b. Risk Ranking

 4. **Next Steps**
 - a. Risk Assessment Review Public Meeting
 - b. Capabilities Assessment
 - c. Mitigation Strategies Workshop

 5. **Questions**



4.4 Hazard Risk Ranking

As discussed in Section 4.2, “Hazard Identification,” a comprehensive range of natural and non-natural hazards that pose significant risk to Fulton County were selected and considered in this plan update. However, it is recognized that the communities in Fulton County have differing levels of exposure and vulnerability to each of these hazards. It is important for each community participating in this plan update to recognize those hazards that pose the greatest risk to their community and direct their attention and resources accordingly to most effectively and efficiently manage risk.

To this end, a relative hazard risk ranking process was conducted for the county using the “Risk Factor” (RF) methodology identified in Section 5 and Appendix 9 of Pennsylvania’s All-Hazard Planning Standard Operating Guide (October 2013). Per this guidance:

“The RF approach produces numerical values that allow identified hazard to be ranked against one another (the higher the RF value, the greater the hazard risk). RF values are obtained by assigning varying degrees of risk to five categories for each hazard: *probability, impact, spatial extent, warning time* and *duration*.

To calculate the RF value for a given hazard, the assigned risk value for each category is multiplied by the weighting factor. The sum of all five categories equals the final RF value, as demonstrated in the example equation:

Example Equation

$$\text{RF Value} = [(\text{Probability} \times .30) + (\text{Impact} \times .30) + (\text{Spatial Extent} \times .20) + (\text{Warning Time} \times .10) + (\text{Duration} \times .10)]$$

Hazards identified as high risk have risk factors greater than or equal to 2.5. Risk Factors ranging from 2.0 to 2.4 are considered moderate risk hazards. Hazards with Risk Factors less than 2.0 are considered low risk.”

Table 4.4-1 identifies the five risk assessment categories, the criteria and associated indices used to quantify their risk, and the suggested weighting factor applied to each risk assessment category. Table 4.4.-2 then shows the categories’ values for Fulton County, and each hazard’s Risk Factor.

Table 4.4-1. Summary of Risk Factor (RF) Approach

Summary of Risk Factor (RF) Approach					
Risk Assessment Category	Degree of Risk			Index	Weight Value
	Level	Criteria			
PROBABILITY What is the likelihood of a hazard event occurring in a given year?	UNLIKELY	LESS THAN 1% ANNUAL PROBABILITY		1	30%
	POSSIBLE	BETWEEN 1% & 49.9% ANNUAL PROBABILITY		2	
	LIKELY	BETWEEN 50% & 90% ANNUAL PROBABILITY		3	
	HIGHLY LIKELY	GREATER THAN 90% ANNUAL PROBABILITY		4	
IMPACT In terms of injuries, damage, or death, would you anticipate impacts to be minor, limited, critical, or catastrophic when a significant hazard event occurs?	MINOR	VERY FEW INJURIES, IF ANY. ONLY MINOR PROPERTY DAMAGE & MINIMAL DISRUPTION ON QUALITY OF LIFE. TEMPORARY SHUTDOWN OF CRITICAL FACILITIES.		1	30%
	LIMITED	MINOR INJURIES ONLY. MORE THAN 10% OF PROPERTY IN AFFECTED AREA DAMAGED OR DESTROYED. COMPLETE SHUTDOWN OF CRITICAL FACILITIES FOR MORE THAN ONE DAY.		2	
	CRITICAL	MULTIPLE DEATHS/INJURIES POSSIBLE. MORE THAN 25% OF PROPERTY IN AFFECTED AREA DAMAGED OR DESTROYED. COMPLETE SHUTDOWN OF CRITICAL FACILITIES FOR MORE THAN ONE WEEK.		3	
	CATASTROPHIC	HIGH NUMBER OF DEATHS/INJURIES POSSIBLE. MORE THAN 50% OF PROPERTY IN AFFECTED AREA DAMAGED OR DESTROYED. COMPLETE SHUTDOWN OF CRITICAL FACILITIES FOR 30 DAYS OR MORE.		4	
SPATIAL EXTENT How large of an area could be impacted by a hazard event? Are impacts localized or regional?	NEGLIGIBLE	LESS THAN 1% OF AREA AFFECTED		1	20%
	SMALL	BETWEEN 1 & 10.9% OF AREA AFFECTED		2	
	MODERATE	BETWEEN 11 & 25% OF AREA AFFECTED		3	
	LARGE	GREATER THAN 25% OF AREA AFFECTED		4	
WARNING TIME Is there usually some lead time associated with the hazard event? Have warning measures been implemented?	MORE THAN 24 HRS	SELF-DEFINED	(NOTE: Levels of warning time and criteria that define them may be adjusted based on hazard addressed.)	1	10%
	12 TO 24 HRS	SELF-DEFINED		2	
	6 TO 12 HRS	SELF-DEFINED		3	
	LESS THAN 6 HRS	SELF-DEFINED		4	
DURATION How long does the hazard event usually last?	LESS THAN 6 HRS	SELF-DEFINED	(NOTE: Levels of warning time and criteria that define them may be adjusted based on hazard addressed.)	1	10%
	LESS THAN 24 HRS	SELF-DEFINED		2	
	LESS THAN 1 WEEK	SELF-DEFINED		3	
	MORE THAN 1 WEEK	SELF-DEFINED		4	

Source: Pennsylvania’s All-Hazard Planning Standard Operating Guide (October 2013)

SECTION 4.4: HAZARD RISK RANKING

Table 4.4-2. Risk Ranking for Fulton County

HAZARD RISK	NATURAL HAZARDS	RISK ASSESSMENT CATEGORY					RISK FACTOR (RF)
		PROBABILITY	IMPACT	SPATIAL EXTENT	WARNING TIME	DURATION	
HIGH	Flood	4	4	4	3	4	3.9
	Winter Storm	4	3	4	1	4	3.4
	Tornadoes and Windstorms	4	2	4	3	4	3.3
	Drought	3	1	4	1	4	2.5
LOW	Radon Exposure	3	1	1	4	1	1.9
	Wildfire	1	2	1	4	2	1.7
	Landslide	1	1	1	4	4	1.6
	Subsidence and Sinkholes	1	1	1	4	4	1.6
	Hailstorm	1	2	1	3	1	1.5
	Earthquake	1	1	1	4	1	1.3

HAZARD RISK	MAN-MADE HAZARDS	RISK ASSESSMENT CATEGORY					RISK FACTOR (RF)
		PROBABILITY	IMPACT	SPATIAL EXTENT	WARNING TIME	DURATION	
HIGH	Transportation Accident	4	2	2	4	2	2.8
	Environmental Hazards	3	2	2	4	3	2.6
MODERATE	Dam Failure	1	3	2	4	3	2.3



FULTON COUNTY HAZARD MITIGATION PLAN UPDATE
Steering Committee Risk Assessment Review Meeting

SIGN-IN

Tuesday, January 13, 2015 | 7:00 p.m. - 8:30 p.m.

NAME	AGENCY/ORGANIZATION	E-MAIL ADDRESS	TEL.
Denise Grissinger	Ayr Twp	drage.p@net	485-4907
Ruth Skrat	Fulton EHA	rskrat@ca.fulton.pa.us	485-3201
Jim Krustacek	Penn CIA	j.krustacek@pa.gov	717-651-7064
Ed Mickey	Penn DOT	emickey@pa.gov	485-3515
MaryK. Senille	Fulton Co Planning	msenille@co.fulton.pa.us	485-3717
John Keefer	Belfast Twp	jkefer@frontier.net	816-0946
GARY HOPKINS	Ayr Twp		552-3080
Lufman Koback	Kicking Creek Twp	l.kick@net01@kickingcreek.net & post@net.no	717-830-3115
ERIC REARNER	THOMPSON TWP	ERREAR@AOL.COM	717-294-3900
Donna Welsh	Ayr Twp	d.welsh@jls.com welsh5977@yahoo.com	717-860-6823
Irvin Dasler	Commission	Ayr	
Tony Subbio	Tetra Tech, Inc	tony.subbio@tetratech.com	717-545-3580
Alysse Stehli	Tetra Tech Inc	alyssse.stehli@tetratech.com	717-545-3580





MEETING NOTES

Date	January 27, 2015	Time	6:30 – 8:15 p.m.
Location	Fulton County Emergency Management Agency (EMA) / 9-1-1, McConnellsburg, PA		
Attendees	Mary K. Seville, Fulton County Planning Commission		
	Ruth Strait, Fulton County EMA/ 9-1-1		
	Jim Kerstetter, Pennsylvania Emergency Management Agency		
	Lorne Swope, Ayr Township Resident		
	Judy Weglarski, McConnellsburg Borough Resident		
	Marjorie Hudson, Ayr Township Resident		
	Joseph Erwin, Thompson Township Resident		
	Nancy Erwin, Thompson Township Resident		
	Dave Fant, Thompson Township Resident		
	Joanne Reckner, Thompson Township Resident		
	Donna Welsh, Ayr Township		
	Eric Reckner, Thompson Township		
Alysse Stehli, Tetra Tech, Inc. (Tetra Tech)			

Purpose

The purpose of the Public Risk Assessment Meeting was to provide an update regarding the status of the Fulton County Hazard Mitigation Plan (HMP), with a specific focus on the risk assessment and hazard profile results. The meeting provided an opportunity for County residents to contribute additional local-level information about hazard frequency and impact on Fulton County.

Discussion Points

This section summarizes each discussion point addressed during the Public Risk Assessment Meeting.

Welcome and Introductions

Ms. Seville welcomed attendees to the meeting and the planning process, and gave a brief overview of the evening's agenda.

Hazard Mitigation Planning Process

Ms. Stehli reviewed some of the core concepts and terms associated with hazard mitigation planning to familiarize residents with the process. She explained the official definition of hazard mitigation as provided by the Federal Emergency Management Agency (FEMA), and how it coordinates with other aspects of disaster management.

Ms. Stehli next reviewed the planning process and explained the purpose behind a County HMP. She gave a brief review of the main components of the plan, including the risk assessment, capability assessment, mitigation strategy, and other sections, along with the approval process so that the County can adopt the HMP as an official document.

Ms. Stehli highlighted that the HMP is a multi-jurisdictional plan and reflects both the County as a whole and its



MEETING NOTES

individual municipalities. Ms. Stehli concluded that this information would aid residents in understanding the importance of the risk assessment portion of the plan (explained in more detail later in the meeting).

Risk Assessment

Ms. Stehli explained the organizational structure behind the risk assessment section in the HMP, including each hazard profile subsection (location and extent, range of magnitude, past occurrences, future occurrences, and vulnerability assessment) to provide County residents with a thorough understanding of the information researched and the process behind the final risk analysis.

Ms. Stehli then provided a brief overview of research results for each hazard profiled in the HMP, including the following hazards:

- Dam Failure
- Drought
- Earthquake
- Environmental Hazards (Hazardous Materials)
- Floods, Flash Floods, and Ice Jams
- Hailstorms
- Landslide
- Radon Exposure
- Subsidence and Sinkholes
- Tornadoes and Windstorms
- Transportation Accidents
- Wildfire
- Winter Storm

During the hazard profile overviews, Ms. Stehli also referenced the process Tetra Tech used to estimate potential losses for the County. Specifically, she explained that Tetra Tech uses the FEMA Hazards U.S. (HAZUS) software to identify specific loss numbers for the following scenarios:

- Earthquake: the 500-year mean return period (MRP) event
- Floods, Flash Floods, and Ice Jams: the 1-percent annual chance flood
- Tornadoes and Windstorms: the 100-year and 500-year MRP events for wind

For loss and exposure estimates that were not determined through the HAZUS program, Ms. Stehli explained how those numbers were calculated in each relevant hazard description.

County residents had the opportunity to provide input and additional information to further enhance each hazard profile. Ms. Stehli will ensure that this information is included in the relevant hazard profile prior to completion of the draft HMP. While this discussion occurred at the end of the presentation, it has been included in this portion of the notes due to its relationship with Fulton County hazards.

During the discussion, County residents mostly focused on the importance and number of the Concentrated Animal Feeding Operations (CAFO) facilities in the County; however, they also noted that Fulton County contains gas lines and is a major biosolids center for waste disposal. With regards to the CAFO facilities, residents noted that the



MEETING NOTES

facilities tie into a number of different potential hazards, including environmental hazards, public health concerns (i.e., infectious diseases), security, flooding, fire, sinkholes, transportation accidents, and drought. Most of the concern regarding these hazards relates to the amount of manure and animal waste produced by the CAFO facilities and the current lack of any regulations regarding the transport and use of manure. Based on the scope of the public's concern voiced at the meeting, Ms. Seville and Ms. Stehli will engage in a discussion with the Tetra Tech Project Manager on how best to include all the relevant information. County residents were encouraged to use the contact information provided in the presentation to e-mail any relevant documents, personal experiences, and photographs that they believe would enhance the County HMP.


After summarizing the individual hazard profiles, Ms. Stehli shared the current draft risk analysis results and a handout detailing the analytical process. The County residents reviewed the risk analysis and had the opportunity to ask questions about specific rankings and numbers. No major concerns with the analysis results were noted, although one resident asked for the drought impact rating to be raised due to the agricultural impact in the County.


Next Steps


Ms. Stehli reviewed the following next steps with attendees:


- Capabilities Assessment –Tetra Tech is currently working on the Capabilities Assessment portion of the draft and will provide information updates or data requests as needed.
- Mitigation Strategies Workshop – Mr. Subbio and Ms. Seville will review calendar availability over the next few weeks to identify a time and date for the Mitigation Strategies Workshop. The date and time will then be shared with Steering Committee members as soon as it is confirmed. The public meeting will be advertised in the same manner as the Public Risk Assessment meeting and will most likely occur in mid-February 2015.
- Submission to the Pennsylvania Emergency Management Agency (PEMA) and FEMA –Tetra Tech currently plans to submit the initial draft to PEMA for review by mid-April 2015 and to FEMA by early May 2015, barring any unexpected schedule changes. The Fulton County HMP will ideally receive its "Approval Pending Adoption (APA)" status by mid-summer.

After the discussion-and-questions portion of the presentation, Ms. Seville and Ms. Stehli thanked attendees for their time and participation.

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 **Fulton County
Hazard Mitigation Plan (HMP)
Update**






Agenda

- Welcome
- Hazard Mitigation Planning Process
- Risk Assessment Results
- Next Steps
- Questions



Welcome





Hazard Mitigation Planning Process

- Hazard Mitigation: Any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards.
- Hazard Mitigation Planning Process



Source: Fema.gov

Hazard Mitigation Planning Process

- Update the Risk Assessment
- Update the Capabilities Assessment
- Update the Mitigation Strategy
- Update Other Sections of the HMP
- Submit the HMP for Review
- Adopt the HMP
- Implement the HMP

Risk Assessment Results

- Dam Failure
 - 7 Dams; 3 High-Hazard
 - No history of dam failures
 - Everything within inundation zone is vulnerable





Risk Assessment Results

- Drought
 - History: 6 droughts since 1980
 - \$1.4 million in lost crop insurance payments since 1948
 - Exposure: 112,210 acres of farmland; \$53 million per year



Risk Assessment Results

- Earthquake
 - History: none with epicenters in the County
 - Annualized Losses: \$5,117
 - Losses from 500-year mean return period event:
 - o \$420,548
 - o 603 tons of debris



Risk Assessment Results

- Environmental Hazards (Hazardous Materials)
 - 23 spills or releases since 2004
 - Entire County is vulnerable
 - Expected damage depends on the incident





Risk Assessment Results

▪ Flood, Flash Flood, and Ice Jam (1% annual chance)

– History

- Fulton County was declared a federal disaster area 7 times since 1954
- 6 major floods since 2010

– \$30,850,000 in exposed property value

– Expected Losses:

- o \$16.9 million
- o 1,738 tons of debris
- o 614 households displaced
- o 37 people seeking shelter



Risk Assessment Results

▪ Hailstorm

– History: 11 hailstorms since 1950, up to 2.75 inches in diameter

– \$102,000 in property damage reported since 1950

– Exposure:

- o 112,210 acres of farmland
- o \$53 million per year



Risk Assessment Results

▪ Landslide

– History: no recorded landslides; possibly one in Todd Township near Cowan's Gap

– Exposed Property Value: \$1.45 billion in property value over entire County

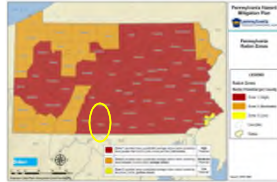
– Expected losses depend on the nature of the landslide





Risk Assessment Results

- Radon Exposure
 - High exposure potential
 - 72% of homes in the County have measured radon levels above 4 picoCuries per liter (pCi/L)
 - U.S. average is about 1.3 pCi/L



Risk Assessment Results

- Subsidence and Sinkholes
 - History: 4 recorded sinkholes and dozens of surface depressions
 - Exposure:
 - Over 4,000 people
 - \$430 million in property value



Risk Assessment Results

- Tornado, Windstorms
 - History: 60 events since 1950
 - Exposure: entire County's building stock
 - Expected Losses: 500-year Mean Return Period (MRP) (70-71 miles per hour [mph])
 - \$636,838
 - Over 3,700 tons of debris
 - Over \$5,800 in annualized losses



Risk Assessment Results

Transportation Accidents

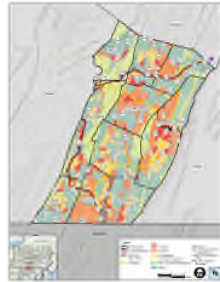
- 1,476 major accidents, 2008-2012
- Damages depend on the nature of the accident
- Economic impacts
- 295 accidents/year expected



Risk Assessment Results

Wildfire

- 18 wildfires, 2002-2013
- Exposure:
 - o 9,841 people
 - o 5,500+ structures
 - o \$854 million in property value



Risk Assessment Results

Winter Storm

- 17 major winter storm events since 1950
- 4 disaster declarations since 1954
- Exposure
 - o Entire County is vulnerable
 - o Up to \$886 million in structural value





Risk Assessment Results

Risk Factor Analysis

HAZARD RISK	NATURAL HAZARDS	RISK ASSESSMENT CATEGORY					RISK FACTOR (RF)
		PROBABILITY	IMPACT	SPATIAL EXTENT	WARNING TIME	DURATION	
HIGH	Flood Risk (Peak and Dry Up)	4	4	4	3	4	3.3
	Water Short	4	3	4	1	4	3.4
	Power Outage	4	2	4	3	4	3.1
	Transportation Routes	4	2	2	4	2	2.8
	Environmental Hazards	3	2	2	4	3	2.9
	Crashes	3	1	4	1	4	2.5
MODERATE	Dam Failure	1	3	2	4	3	2.3
	Radon Exposure	3	1	1	4	1	1.9
LOW	Wildfire	1	2	1	4	2	1.7
	Landslide	1	1	1	4	4	1.6
	Subsidence and Settlement	1	1	1	4	4	1.6
	Hailstorm	1	2	1	3	1	1.5
	Earthquake	1	1	1	4	1	1.5

Next Steps

- Capabilities Assessment
- Mitigation Strategies Workshop – Date/Time to be Determined
- Plan Drafted by early March 2015
- Submit to PEMA by mid-April 2015
- Submit to FEMA in early May 2015
- “Approvable Pending Adoption” by mid-July 2015

Questions?

Thank you for your time!



Contacts



Mary K. Seville
mkseville@co.fulton.pa.us
(717) 485-3717



Tony Subbio
tony.subbio@tetratech.com
(717) 545-3580







FULTON COUNTY HAZARD MITIGATION PLAN UPDATE
Risk Assessment Review Meeting

SIGN-IN

Tuesday, January 27, 2015 | 6:30 p.m. - 8:00 p.m.

NAME	AGENCY/ORGANIZATION	E-MAIL ADDRESS	TEL.
Allyse Stehl	Terra Tech	allyse.stehl@terratech.com	717-545-3580
Sueper, Lorenz			717-985-3778
Tim Kerstetter	Pema glA	jamkerstet@pa.gov	717-651-7064
ERIC RECKREIE	THOMPSON TWP	ERR18@AOL.COM	717-294-3522
Judy Weglarski	Boro	JA8822@yahoo.com	717 485 0298
Donna Welsh	Ayr township emc	welsh5977@yahoo.com dowelsh@jlg.com	417-860-6123
Maryt Seville	Fulton County Planning		717-485-3717
Ruth Strauf	Fulton County EMA/911		717-485-3201
MARJORIE HUDSON	AYR TWP. RESIDENT	webstersm11@aol.com	*
JOSEPH ERWIN	Thompson Township	agingapes@gmail.com	717-573-2081
Maryy Eruvin	"	NERO1NIP21@gmail.com	"
AUSTIN (EMT)	Thompson Township	afstite@yahoo.com	717 573 2459
Jeanne Reckner	Thompson Township	shb62@aol.com	717-294-3922





MEETING NOTES

Date	February 17, 2015	Time	6:30 – 8:00 p.m.
Location	Fulton County Emergency Management Agency (EMA) / 9-1-1, McConnellsburg, PA		
Attendees	Irvin Dasher, Fulton County Commissioner		
	Mary K. Seville, Fulton County Planning Commission		
	Ruth Strait, Fulton County EMA/ 9-1-1		
	Paul Johnston, Fulton County Chamber of Commerce and Tourism		
	Jim Kerstetter, Pennsylvania Emergency Management Agency		
	Delmas F. Bard, Brush Creek Township		
	Denise Grissinger, Ayr Township		
	Marlin Harr, Ayr Township		
	Eric Reckner, Thompson Township		
	Joanne Reckner, Thompson Township		
	Donna Welsh, Ayr Township		
	Carolyn Wills, Union Township		
	Randy Wills, Union Township		
	Martin Hann, McConnellsburg Borough Resident		
	Marjorie Hudson, Ayr Township Resident		
	Lorne Swope, Ayr Township Resident		
	Deb Buterbaugh, American Red Cross		
Dave Cubbison, Bedford County EMA			
Donald Schwartz, Bedford County Planning Commission			
Tony Subbio, Tetra Tech, Inc. (Tetra Tech)			

Purpose

The purpose of the Mitigation Solutions Workshop was to begin the process of identifying mitigation actions to include in the updated Fulton County Hazard Mitigation Plan (HMP). The workshop provided an opportunity for County residents to contribute local-level information about the impacts of hazards on the County and its municipalities.

Discussion Points

This section summarizes each discussion point addressed during the Mitigation Solutions Workshop.

Welcome and Introductions

Ms. Seville welcomed attendees to the meeting, and all attendees introduced themselves.



MEETING NOTES

Capabilities Assessment Results

Mr. Subbio reviewed the Capabilities Assessment Results with the group, and highlighted a few specific capabilities within each category. Results from Thompson Township and McConnellsburg Borough were not incorporated into the tables yet, but will appear in the HMP itself. Valley-Hi Borough is not expected to participate in the planning process¹.

Within the Planning and Regulatory Capability, all of the municipalities and the County had adopted the 2010 HMP. All municipalities and the County reported having a current Emergency Operations Plan (EOP). All of the municipalities have subdivision regulations in place.

In the Administrative and Technical Capability, only the County and two townships have planners with land use or land development knowledge. The County and half of the municipalities reported having an emergency manager, though Commonwealth law requires that all municipalities have one. Only Dublin Township reported having a National Flood Insurance Program (NFIP) Floodplain Administrator, though all of the municipalities reported participating in the NFIP and having a Floodplain Administrator is a requirement of the NFIP.

Few municipalities reported having much Fiscal Capability. Several municipalities have leveraged the Community Development Block Grant to recover from hazard impacts. A few municipalities reported having water or sewer fees that could be used for mitigation.

Five municipalities reported that their officials are “very willing” to implement hazard mitigation, even if met with some local opposition. The County and five municipalities reported that officials are “moderately-” or “moderately to very willing” to do so. Union Township had indicated that its officials are between “moderately-” and “unwilling to moderately willing,” but Township representatives later changed it to “moderately willing.”

Only Brush Creek Township reported having a high capability in any category, specifically in its Administrative and Technical Capability. Municipalities reported having moderate or limited capability overall.

Review Existing Mitigation Strategy

Mr. Subbio reviewed the Goals and Objectives from the 2010 HMP, pointing out that they are aligned with the categories of mitigation actions that existed at the time. Mr. Swope discussed the Concentrated Animal Feeding Operation (CAFO) facility that is planned in the County, and how Goals 2 and 4 applied to allowing the facility to operate in the County.

After reviewing the existing Goals and Objectives, Mr. Subbio gave attendees a few minutes to review the summary of the status of the mitigation actions from the 2010 HMP. He explained that actions marked as “Completed” will be removed from the plan; actions marked as “Continuous” show that they have been integrated into the County's or municipalities' ongoing operations, and will be listed in the updated HMP as such; and actions marked as “No Progress/Unknown” should be reviewed again and will likely be included in the updated HMP.

Develop the Updated Mitigation Strategy

Mr. Subbio initiated discussions regarding the updated mitigation strategy and specific features that participants would like to see in the update. None of the municipalities made comments on the existing Goals and Objectives in

¹ Any references to “all municipalities” does not factor Valley-Hi Borough in the group.



MEETING NOTES

their Mitigation Strategy 5-Year Mitigation Plan Review worksheets. Attendees indicated that the existing Goals and Objectives are still valid and should be carried over into the updated HMP.

Mr. Subbio then reviewed the categories of mitigation actions: Local Plans and Regulations; Structure and Infrastructure; Natural Systems Protection; and Education and Awareness. He provided several examples of mitigation actions that jurisdictions may wish to include in the HMP, including acquisition, relocation, elevation, or flood-proofing vulnerable structures; reviewing and revising regulations; supporting County-wide efforts like a new emergency radio system; or cross-training personnel. He explained that studying and determining solutions to certain problems (such as flooding), and implementing those solutions as funding is available, can be included as mitigation actions.

The group discussed possible mitigation actions, including the following:

- Working with the Federal Emergency Management Agency (FEMA) to determine base flood elevations throughout the County
- Addressing the flooding problem in Harrisonville in Licking Creek Township
- Addressing the 3rd Street Bridge in McConnellsburg
- Rehabilitating the bridge on Tannery Road in Dublin Township
- Studying and identifying a solution for land creep on I-70 at the Amaranth exit

Mr. Subbio asked that the residents in attendance regarding the CAFO facility work with their municipalities' representatives to identify implementable mitigation actions. Municipal representatives will provide information to Ms. Seville, and Ms. Seville will forward the information to Mr. Subbio for inclusion in the HMP. Mr. Subbio introduced the attendees to the Mitigation Action Worksheet and stated that one worksheet would be filled out for each mitigation action. Tetra Tech will complete the forms with the information provided by the municipal representatives.

Next Steps

Mr. Subbio reviewed the following next steps with attendees:

- Mitigation actions are due to Ms. Seville by February 27, 2015.
- Tetra Tech will work with the County and its municipalities to finalize the updated mitigation strategy.
- The updated mitigation strategy will be reviewed at a public meeting in mid-March 2015.
- The full draft of the updated HMP will be completed at the end of March 2015. Tetra Tech will conduct a plan draft review meeting with the Steering Committee, incorporate the Committee's comments into the draft, and publish the draft plan for public review on the project website.

Ms. Seville and Mr. Subbio thanked attendees for their time and participation.

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Fulton County Hazard Mitigation Plan (HMP) Update



Agenda

- Welcome
- Capabilities Assessment Results
- Review Existing Mitigation Strategy
- Develop the Updated Mitigation Strategy
- Next Steps
- Questions

Welcome

Capabilities Assessment Results

- Emergency Management
 - County
 - Local
- National Flood Insurance Program (NFIP)
- Community Rating System

Capabilities Assessment Results

- Planning and Regulatory
 - Existing Hazard Mitigation Plan
 - Emergency Operations Plan
 - Participation in the NFIP
 - Subdivision Regulations

Municipality	Emergency Management	Local Flood Insurance Program	Community Rating System	Subdivision Regulations	Existing Hazard Mitigation Plan	Emergency Operations Plan	Participation in the NFIP	Other
Fulton County	X	X	X	X	X	X	X	X
Adair County	X	X	X	X	X	X	X	X
Barrow County	X	X	X	X	X	X	X	X
Bolton County	X	X	X	X	X	X	X	X
Brunswick County	X	X	X	X	X	X	X	X
Cherokee County	X	X	X	X	X	X	X	X
Livingston County	X	X	X	X	X	X	X	X
Madison County	X	X	X	X	X	X	X	X
Newton County	X	X	X	X	X	X	X	X
Spalding County	X	X	X	X	X	X	X	X
Union County	X	X	X	X	X	X	X	X
Walton County	X	X	X	X	X	X	X	X
Wilkes County	X	X	X	X	X	X	X	X
Yamacraw County	X	X	X	X	X	X	X	X

Capabilities Assessment Results

- Administrative and Technical
 - Planners
 - Engineers
 - Emergency Managers
 - NFIP Floodplain Administrators

Municipality	Emergency Management	Local Flood Insurance Program	Community Rating System	Subdivision Regulations	Existing Hazard Mitigation Plan	Emergency Operations Plan	Participation in the NFIP	Other
Fulton County	X	X	X	X	X	X	X	X
Adair County	X	X	X	X	X	X	X	X
Barrow County	X	X	X	X	X	X	X	X
Bolton County	X	X	X	X	X	X	X	X
Brunswick County	X	X	X	X	X	X	X	X
Cherokee County	X	X	X	X	X	X	X	X
Livingston County	X	X	X	X	X	X	X	X
Madison County	X	X	X	X	X	X	X	X
Newton County	X	X	X	X	X	X	X	X
Spalding County	X	X	X	X	X	X	X	X
Union County	X	X	X	X	X	X	X	X
Walton County	X	X	X	X	X	X	X	X
Wilkes County	X	X	X	X	X	X	X	X
Yamacraw County	X	X	X	X	X	X	X	X



Capabilities Assessment Results

- Fiscal
 - Community Development Block Grant
 - Water/Sewer Fees

Municipality	Capital Asset Management Program	Community Development Block Grant	Water/Sewer Fees	Water/Sewer Fees	Water/Sewer Fees	Water/Sewer Fees	Water/Sewer Fees	Water/Sewer Fees	Water/Sewer Fees	Water/Sewer Fees	Water/Sewer Fees	Water/Sewer Fees
Fulton County	X											
Ayr Township		X										
Belfast Township		X										
Bethel Township		X										
Brush Creek Township		X										
Dublin Township		X										
Licking Creek Township		X										X
McConnellsville Borough												
Taylor Township												
Thompson Township												
Todd Township		X									X	X
Union Township		X										
Valley-Hill Borough												
Wells Township												

Capabilities Assessment Results

- Political
 - Very Willing - Unwilling

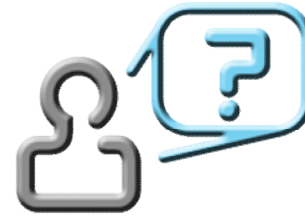
Municipality	Very Willing	Moderately Very Willing	Moderately Willing	Unwilling to Moderately Willing	Unwilling
Fulton County		X			
Ayr Township	X				
Belfast Township	X				
Bethel Township	X				
Brush Creek Township	X				
Dublin Township	X				
Licking Creek Township			X		
McConnellsville Borough				X	
Taylor Township				X	
Thompson Township					
Todd Township	X				
Union Township			X	X	
Valley-Hill Borough					
Wells Township			X		

Capabilities Assessment Results

- Self-Assessment

Municipality	Capability Category				
	Planning and Regulatory Capability	Administrative and Technical Capability	Fiscal Capability	Community Political Capability	Community Resiliency Capability
Fulton County	Moderate	Moderate	Limited	Moderate	Moderate
Ayr Township	Moderate	Moderate	Moderate	Moderate	Moderate
Belfast Township	Limited	Limited	Limited	Limited	Limited
Bethel Township					
Brush Creek Township		High	Moderate	Moderate	
Dublin Township	Moderate	Moderate	Moderate	Moderate	Moderate
Licking Creek Township	Moderate	Moderate	Limited	Limited	Moderate
McConnellsville Borough					
Taylor Township	Moderate	Moderate	Limited	Moderate	Moderate
Thompson Township					
Todd Township	Moderate	Moderate	Moderate	Moderate	Moderate
Union Township	Limited	Limited	Limited	Limited	Limited
Valley-Hill Borough					
Wells Township	Moderate	Moderate	Limited	Moderate	Moderate

Capabilities Assessment Results



Review Existing Mitigation Strategy

- Goals and Objectives Review

- Goal 1: Prevent hazards from impacting the community.**
- Objective 1.A: Work with the municipalities to create and/or update land use regulations (e.g., zoning, subdivision, and land development)
 - Objective 1.B: Complete and/or update stormwater management plans for all the watersheds in the County
 - Objective 1.C: Address areas of susceptibility that are vulnerable to hazard impacts
- Goal 2: Protect the people, property and environment in hazard areas.**
- Objective 2.A: Examine property protection measures and their applicability to the community
 - Objective 2.B: Identify hazard areas in which property protection measures would be most effective
- Goal 3: Maintain and enhance emergency services capabilities in the community.**
- Objective 3.A: Ensure adequate communications capabilities among emergency response organizations
 - Objective 3.B: Continue to train municipal Emergency Management Coordinators on hazard protection and response
 - Objective 3.C: Ensure adequate water supply to fight urban and wildland fires
- Goal 4: Protect natural resources within the hazard areas.**
- Objective 4.A: Continue working with the Conservation District to ensure that the County's natural resources are protected
 - Objective 4.B: Maintain environmental education programs that the conservation and extension officers conduct, and perhaps create new ones
- Goal 5: Ensure that stakeholder groups have necessary information to mitigate against hazard impacts.**
- Objective 5.A: Continue stakeholder program participation
 - Objective 5.B: Update and maintain the County 980 sites with current information from all departments
 - Objective 5.C: Maintain the linkage between the County GIS and tax assessment records to obtain information on location, number of stories, and age of construction

Review Existing Mitigation Strategy

- Status of 2010 Mitigation Actions

Description	Responsible	Status	Review Comments
I.1.A.1 - Conduct workshops and training for municipal officials on the benefits of land use regulations to protect new and existing structures and infrastructure	County and all Municipalities	In Progress	<ul style="list-style-type: none"> Bethel Township, Dublin Township, and Todd Township entered the Program (kickoff) for this action Dublin Township specifically noted that they have not seen any training on this topic. Fulton County and Thompson Township reported the action as "Continued"
I.6.1 - Create and maintain stormwater management plans for the County's watersheds	County and all Municipalities	Complete	<ul style="list-style-type: none"> This action has been completed by the County (in 2011), Dublin Township, Thompson Township, and Todd Township. Thompson Township noted the action as "Continued" to indicate regular maintenance
T.1.C.1 - Repackage the Yankee Ridge Road, Great Cove Road (28-522) intersection to provide adequate sight distance for vehicles turning from Yankee Ridge Road	Bethel Township	Completed	<ul style="list-style-type: none"> No additional comments related to Bethel Township Fulton County and Thompson Township also marked this action as "Continued"
T.1.2 - Lower and slope the road bank at the intersection of Spruce Mill Road (DR 4001) and Palmer Road (C-1) to increase stability	Bethel Township	Completed	<ul style="list-style-type: none"> DR 4001 has been changed to T-379
T.1.C.2 - Repackage the road like on back Harbor Road in Thompsonville	Licking Creek Township	No Progress / Unknown	<ul style="list-style-type: none"> No additional comments noted by municipality or County
T.1.C.3 - Increase visibility at the intersection of Great Cove Road (28-522) and Spruce Mill Road (DR 4001)	Bethel Township	No Progress / Unknown	<ul style="list-style-type: none"> No additional comments noted by municipality or County
T.1.C.7 - Increase visibility at the intersection of Great Cove Road (28-522) and Bethel Shores Road	Bethel Township	No Progress / Unknown	<ul style="list-style-type: none"> No additional comments noted by municipality or County



Review Existing Mitigation Strategy



Develop the Updated Mitigation Strategy

- Reduce the likelihood of hazard impacts
- Lessen the impact of hazards

Develop the Updated Mitigation Strategy

- Goals and Objectives
- Categories of Mitigation Actions
 - Local Plans and Regulations
 - Structure and Infrastructure
 - Natural Systems Protection
 - Education and Awareness

Develop the Updated Mitigation Strategy

- Example Mitigation Actions
 - Acquisition, elevation, relocation, flood-proofing of structures
 - Review and revise local regulations to minimize risk from hazards
 - Support County-wide planning efforts
 - Cross-train personnel to build technical capability
 - Study a problem area to identify specific solutions

Develop the Updated Mitigation Strategy

- Identify Additional Mitigation Actions
 - *Pretend you have all the time and money in the world!*
 - What plans or regulations does your municipality need?
 - What information do you need to provide to your residents and visitors?
 - What additional staff do you need?
 - Where are your problem areas? What can be done about them?
 - Flooding
 - Traffic accidents

Develop the Updated Mitigation Strategy

- Mitigation Action Worksheet

Municipality(ies):	Action
Action Number:	
Location (address, latitude/longitude)	
Mitigation Technique Category	
Priority (High, Medium, Low)	
Estimated Cost	
Potential Funding Streams	
Timeline	
Lead Agency/Department	
Support Agency(ies)/Department(s)	
	Project Point of Contact
Name	
Title	
Agency/Department	
Phone	
E-mail	

Next Steps

- Submit mitigation actions by February 27, 2015
- Finalize the Updated Mitigation Strategy
- Review Updated Mitigation Strategy (meeting in mid-March 2015)
- Complete the Draft by the end of March 2015



Questions?

Thank you for your time!



Contacts



Mary K. Seville

mkseville@co.fulton.pa.us

(717) 485-3717



Tony Subbio

tony.subbio@tetratech.com

(717) 545-3580





AGENDA

FULTON COUNTY HAZARD MITIGATION PLAN UPDATE Mitigation Solutions Workshop

Tuesday, February 17, 2015 | 6:30 p.m. – 8:00 p.m.

-
1. **Welcome**

 2. **Capabilities Assessment Results**

 3. **Review Existing Mitigation Strategy**
 - a. Goals and Objectives Review
 - b. Status of 2010 Mitigation Actions

 4. **Develop the Updated Mitigation Strategy**
 - a. Goals and Objectives
 - b. Categories of Mitigation Actions
 - c. Example Mitigation Actions
 - d. Identify Additional Mitigation Actions
 - e. Mitigation Action Worksheet

 5. **Next Steps**
 - a. Collect Mitigation Actions
 - b. Finalize the Updated Mitigation Strategy
 - c. Review the Updated Mitigation Strategy
 - d. Complete the Draft

 6. **Questions**



Fulton County Mitigation Solutions Workshop

Capabilities Assessment Tables

Table Error! No text of specified style in document.-1: Planning and Regulatory Capability

Municipality	Hazard Mitigation Plan	EOP	Disaster Recovery Plan	Evacuation Plan	COOP Plan	NFIP	NFIP – CRS	Floodplain Regulations	Floodplain Mgmt. Plan	Zoning Regulations	Subdivision Regulations	Comprehensive Land Use Plan (or General, Master, or Growth Mgmt. Plan)	Open Space Mgmt. Plan	Stormwater Mgmt. Plan/Ordinance	Natural Resource Protection Plan	Capital Improvements Plan	Economic Dev. Plan	Historic Preservation Plan	Farmland Preservation	Building Code	Fire Code	Firewise	Storm Ready	Other
Fulton County	X	X	-	-	X	X	-	-	-	-	-	X	X	X	-	-	-	-	-	-	-	-	X	-
Ayr Township	X	X	-	-	-	X	-	-	-	-	X	-	-	X	-	-	-	-	-	X	-	-	X	X
Belfast Township	X	X	-	-	-	X	-	-	-	-	X	X	X	X	-	-	-	-	-	X	-	-	X	-
Bethel Township	X	X	-	-	-	X	-	-	-	-	X	X	X	X	-	-	-	-	-	-	-	-	X	-
Brush Creek Township	X	X	-	-	-	X	-	-	-	-	X	X	-	X	-	-	-	-	X	X	-	-	X	-
Dublin Township	X	X	-	-	-	X	-	-	X	-	X	X	X	X	-	-	-	-	-	X	-	-	X	X
Licking Creek Township	X	X	-	-	X	X	-	X	-	-	X	X	X	X	-	-	-	-	-	X	-	-	X	X
McConnellsburg Borough																								
Taylor Township	X	X	-	-	-	X	-	-	-	-	X	X	X	X	-	-	-	-	X	X	-	-	X	-
Thompson Township																								
Todd Township	X	X	-	-	-	X	-	X	X	-	X	X	X	X	-	-	-	-	-	X	-	-	X	-
Union Township	X	X	-	-	-	X	-	-	-	-	X	X	X	X	-	-	-	-	X	X	-	-	X	-
Valley-Hi Borough																								
Wells Township	X	X	-	-	-	X	-	X	X	X	X	-	-	-	-	-	-	-	-	X	-	-	X	-

Note: The “X” indicates that the municipality currently has this capability in place. A “-” indicates no capability is currently in place, and a blank space indicates no response was received from the municipality.

Table 5-2: Administrative and Technical Capability

Municipality	Planners (with land use/land development knowledge)	Planners or Engineers (with natural and/or human caused hazards knowledge)	Engineers or Professionals trained in building and/or infrastructure construction practices	Emergency Manager	NFIP Floodplain Administrator	Land Surveyors	Scientists or Staff familiar with the hazards of the community	Personnel skilled in GIS and/or FEMA's HAZUS program	Grant Writers or Fiscal Staff to handle large/complex grants	Staff with expertise or training in Benefit-Cost Analysis	Other
Fulton County	X	-	-	X	-	-	X	X	X	-	-
Ayr Township	-	-	X	-	-	-	-	-	-	-	-
Belfast Township	-	-	X	-	-	-	-	-	-	-	-
Bethel Township	-	-	X	X	-	X	-	-	-	-	-
Brush Creek Township	-	-	X	X	-	X	-	-	-	-	-
Dublin Township	X	X	X	X	X	-	-	-	-	-	-
Licking Creek Township	-	-	X	-	-	-	-	-	-	-	-
McConnellsburg Borough											
Taylor Township	-	-	X	X	-	-	-	-	-	-	-
Thompson Township											
Todd Township	-	-	-	X	-	-	-	-	-	X	-
Union Township	X	-	-	X	-	-	-	-	-	-	-
Valley-Hi Borough											
Wells Township	-	-	-	X	-	-	-	-	-	-	-

Note: The “X” indicates that the municipality currently has this capability in place. A “-” indicates no capability is currently in place, and a blank space indicates no response was received from the municipality.

Table 5-3: Fiscal Capability

Municipality	Capital Improvements Program	Community Development Block Grants (CDBG)	Special Purpose Taxes	Gas/Electric Utility Fees	Water/Sewer Fees	Stormwater Utility Fees	Development Impact Fees	General Obligation, Revenue, and/or Special Tax Bonds	Partnering Arrangements or Intergovernmental Agreements	Other
Fulton County	-	X	-	-	-	-	-	-	-	-
Ayr Township	-	-	-	-	-	-	-	-	-	-
Belfast Township	-	X	-	-	X	-	-	-	-	X
Bethel Township	-	X	-	-	X	-	-	-	-	-
Brush Creek Township	-	-	-	-	-	-	-	-	-	-
Dublin Township	-	X	-	-	X	-	-	-	-	-
Licking Creek Township	-	X	-	-	-	-	-	-	-	X
McConnellsburg Borough										
Taylor Township	-	-	-	-	-	-	-	-	-	-
Thompson Township										
Todd Township	-	X	-	-	X	-	-	X	X	X
Union Township	-	X	-	-	-	-	-	-	-	-
Valley-Hi Borough										
Wells Township	-	-	-	-	-	-	-	-	-	-

Note: The “X” indicates that the municipality currently has this capability in place. A “-” indicates no capability is currently in place, and a blank space indicates no response was received from the municipality.

Table 5-4: Political Capability

Municipality	Very Willing	Moderate to Very Willing	Moderately Willing	Unwilling to Moderately Willing	Unwilling
Fulton County		X			
Ayr Township	X				
Belfast Township	X				
Bethel Township	X				
Brush Creek Township	X				
Dublin Township	X				
Licking Creek Township			X		
McConnellsburg Borough					
Taylor Township			X		
Thompson Township					
Todd Township		X			
Union Township			X	X	
Valley-Hi Borough					
Wells Township			X		

Table 5-5. Capability Self-Assessment Matrix

Municipality	Capability Category				
	Planning and Regulatory Capability	Administrative and Technical Capability	Fiscal Capability	Community Political Capability	Community Resiliency Capability
Fulton County	Moderate	Moderate	Limited	Moderate	Moderate
Ayr Township	Moderate	Moderate	Moderate	Moderate	Moderate
Belfast Township	Limited	Limited	Limited	Limited	Limited
Bethel Township					
Brush Creek Township		High	Moderate	Moderate	
Dublin Township	Moderate	Moderate	Moderate	Moderate	Moderate
Licking Creek Township	Moderate	Moderate	Limited	Limited	Moderate
McConnellsburg Borough					
Taylor Township	Moderate	Moderate	Limited	Moderate	Moderate
Thompson Township					
Todd Township	Moderate	Moderate	Moderate	Moderate	Moderate
Union Township	Limited	Limited	Limited	Limited	Limited
Valley-Hi Borough					
Wells Township	Moderate	Moderate	Limited	Moderate	Moderate

Fulton County Mitigation Solutions Workshop

Existing Goals and Objectives

Goal 1: Prevent hazards from impacting the community.

Objective 1.A Work with the municipalities to create and/or update land use regulations (e.g., zoning, subdivision, and land development).

Objective 1.B Complete and/or update stormwater management plans for all the watersheds in the County.

Objective 1.C Address areas of roadways that are vulnerable to hazard impacts.

Goal 2: Protect the people, property, and environment in hazard areas.

Objective 2.A Examine property protection measures and their applicability to the community.

Objective 2.B Identify hazard areas in which property protection measures would be most effective.

Goal 3: Maintain and enhance emergency services capabilities in the community.

Objective 3.A Ensure adequate communications capabilities among emergency response organizations.

Objective 3.B Continue to train municipal Emergency Management Coordinators on hazard protection and response.

Objective 3.C Ensure adequate water supply to fight urban and wildland fires.

Goal 4: Protect natural resources within the hazard areas.

Objective 4.A Continue working with the Conservation District to ensure that the County's natural resources are protected.

Objective 4.B Maintain environmental education programs that the conservation and extension offices conduct, and perhaps create new ones.

Goal 5: Ensure that stakeholder groups have necessary information to mitigate against hazard impacts.

Objective 5.A Continue StormReady program participation.

Objective 5.B Update and maintain the County Web site with current information from all departments.

Objective 5.C Maintain the linkage between the County GIS and tax assessment records to obtain information on condition, number of stories, and age of construction.

Fulton County Mitigation Solutions Workshop

Review of Existing Mitigation Actions

Description	Jurisdiction	Status	Review Comments
1.A.1 – Conduct workshops and training for municipal officials on the benefits of land use regulations to protect new and existing structures and infrastructure.	County and All Municipalities	In Progress	<ul style="list-style-type: none"> Bethel Township, Dublin Township, and Todd Township noted “No Progress/Unknown” for this action. Dublin Township specifically noted that they have not seen any trainings on this topic. Fulton County and Thompson Township marked this action as “Continuous.”
1.B.1 – Create and maintain stormwater management plans for the County’s watersheds.	County and All Municipalities	Complete	<ul style="list-style-type: none"> This action has been completed by the County (in 2011), Dublin Township, Thompson Township, and Todd Township. Thompson Township noted this action as “Continuous” to indicate regular maintenance.
1.C.1 – Redesign the Timber Ridge Road, Great Cove Road (US-522) intersection to provide adequate sight distance for motorists turning from Timber Ridge Road.	Belfast Township	Completed	<ul style="list-style-type: none"> No additional comments noted by Belfast Township. Fulton County and Thompson Township also marked this action as “Completed.”
1.C.2 – Lower and slope the road bank at the intersection of Sipes Mill Road (SR 4001) and Palmer Road (T-383) to increase visibility when entering Sipes Mill Road.	Belfast Township	Completed	<ul style="list-style-type: none"> SR 4001 has been changed to T-379.
1.C.3 – Replace three tiles on Johnstons Drive with one squash tile.	Todd Township	In Progress	<ul style="list-style-type: none"> Township Engineer in process of reviewing for dirt and gravel grant.
1.C.4 – Construct a bridge on Creek Road (T-388) in Licking Creek Township over the creek fording.	Licking Creek Township	No Progress / Unknown	<ul style="list-style-type: none"> No additional comments noted by municipality or County.
1.C.5 – Replace the road tile on Back Hollow Road in Harrisonville.	Licking Creek Township	Completed	<ul style="list-style-type: none"> No additional comments noted by municipality or County.
1.C.6 – Increase visibility at the intersection of Great Cove Road (US-522) and Alpine Road.	Bethel Township	No Progress / Unknown	<ul style="list-style-type: none"> No additional comments noted by municipality or County.
1.C.7 – Increase visibility at the intersection of Great Cove Road (US-522) and Bethel Church Road.	Bethel Township	No Progress / Unknown	<ul style="list-style-type: none"> No additional comments noted by municipality or County.

Description	Jurisdiction	Status	Review Comments
1.C.8 – Increase visibility at the intersection of State Route 643 and Spring Road.	Bethel Township	No Progress / Unknown	<ul style="list-style-type: none"> No additional comments noted by municipality or County.
1.C.9 – Increase visibility at the intersection of Stoney Break Road and Black Oak Road.	Bethel Township	No Progress / Unknown	<ul style="list-style-type: none"> No additional comments noted by municipality or County.
1.C.10 – Increase visibility at the intersection of Buck Valley Road and Mays Chapel Road.	Bethel Township	No Progress / Unknown	<ul style="list-style-type: none"> No additional comments noted by municipality or County.
2.A.1 – Obtain information on existing and proposed new structures in the areas with the highest relative vulnerability to determine the best property protection methods. The following information should be obtained: <ul style="list-style-type: none"> Lowest-floor elevation Number of stories Presence of a basement Market and/or replacement value 	County and All Municipalities	In Progress	<ul style="list-style-type: none"> Thompson Township has marked this action as “Continuous.” All other municipalities have indicated this action as “No Progress/Unknown.”
2.A.2 – Obtain information for all existing and proposed new structures in the 1% chance floodplain to determine the best property protection methods to promote with individual property owners.	County and All Municipalities	In Progress	<ul style="list-style-type: none"> Thompson Township has marked this action as “Continuous.” All other municipalities have indicated this action as “No Progress/Unknown.”
2.A.3 – Examine the effects of requiring anchor straps and improved roofing shingles on new and existing manufactured homes and residences of the County.	County and All Municipalities	In Progress	<ul style="list-style-type: none"> Thompson Township has marked this action as “Continuous.” All other municipalities have indicated this action as “No Progress/Unknown.”
2.B.1 – Establish a Firewise Program in the County, especially around the Meadow Grounds Lake, Cowans Gap State Park, and Breezewood Park.	County and All Municipalities	In Progress	<ul style="list-style-type: none"> Ayr Township and Thompson Township have marked this action as “Continuous.” All other municipalities have indicated this action as “No Progress/Unknown.”
3.A.1 – Identify and apply for funding to enhance the County’s radio system.	County and All Municipalities	In Progress	<ul style="list-style-type: none"> Thompson Township has marked this action as “Continuous.” All other municipalities have indicated this action as “No Progress/Unknown.”
3.A.2 – Identify and apply for funding to upgrade the County’s emergency responders’ radio equipment.	County and All Municipalities	In Progress	<ul style="list-style-type: none"> Identified process for funding, and will start in the near future.

Description	Jurisdiction	Status	Review Comments
3.A.3 – Identify and implement backup communications systems for emergency response organizations.	County and All Municipalities	In Progress	<ul style="list-style-type: none"> Thompson Township has marked this action as “Continuous.” All other municipalities have indicated this action as “No Progress/Unknown.”
3.B.1 – Include hazard mitigation periodically as a topic in the Quarterly Emergency Management Coordinator Training session(s).	County and All Municipalities	Continuous	<ul style="list-style-type: none"> The County and Thompson Township have marked this action as “Continuous.” All other municipalities have indicated this action as “No Progress/Unknown.”
3.C.1 – Install dry hydrant locations along PA-655 to assist the Needmore Fire Company.	Belfast Township, Thompson Township	No Progress / Unknown	<ul style="list-style-type: none"> No additional comments noted by municipalities or the County.
4.A.1 – Protect natural wetlands that may absorb floodwaters.	County and All Municipalities	No Progress / Unknown	<ul style="list-style-type: none"> No additional comments noted by municipalities or the County.
4.A.2 – Implement programs deemed necessary by the Conservation District.	County and All Municipalities	In Progress	<ul style="list-style-type: none"> Thompson Township has marked this action as “Continuous.” All other municipalities have indicated this action as “No Progress/Unknown.”
4.B.1 – Coordinate with the conservation and extension offices to provide education and training to emergency responders, managers, and municipal officials.	County and All Municipalities	In Progress	<ul style="list-style-type: none"> The County and Thompson Township have marked this action as “Continuous.” All other municipalities have indicated this action as “No Progress/Unknown.”
5.A.1 – Recruit SkyWarn Spotters in the County.	County and All Municipalities	Completed	<ul style="list-style-type: none"> Fulton County has marked this action as “Completed” and noted that a class was given during the StormReady process. Thompson Township has marked this action as “Continuous.” All other municipalities have indicated this action as “No Progress/Unknown.”
5.A.2 – Encourage major employers and other facilities to participate in the subordinate StormReady programs.	County and All Municipalities	In Progress	<ul style="list-style-type: none"> Thompson Township has marked this action as “Continuous.” All other municipalities have indicated this action as “No Progress/Unknown.”

Description	Jurisdiction	Status	Review Comments
5.B.1 – Seek relevant input from all departments during the pre-impact, impact, and post-impact phases of an emergency.	County and All Municipalities	In Progress	<ul style="list-style-type: none"> • Thompson Township and Todd Township have marked this action as “Continuous.” • Todd Township indicated this action was maintained by the Fulton County Emergency Management Agency. • All other municipalities have indicated this action as “No Progress/Unknown.”
5.C.1 – Identify and fill gaps in information needed to conduct vulnerability analysis in hazard areas.	County and All Municipalities	In Progress	<ul style="list-style-type: none"> • Fulton County and Thompson Township have marked this action as “Continuous.” • All other municipalities have indicated this action as “No Progress/Unknown.”
5.C.2 – Evaluate GIS and other software packages to find the ideal system for the County’s use.	County and All Municipalities	Continuous	<ul style="list-style-type: none"> • Fulton County and Thompson Township have marked this action as “Continuous.” • The County also noted “Planning/GIS” under additional comments. • All other municipalities have indicated this action as “No Progress/Unknown.”

Mitigation Action Worksheet

Municipality(ies):	Action
Action Number:	
<i>Location (address, lat/long)</i>	
<i>Mitigation Technique Category</i>	
<i>Hazard(s) Addressed</i>	
<i>Priority (High, Medium, Low)</i>	
<i>Estimated Cost</i>	
<i>Potential Funding Streams</i>	
<i>Timeline</i>	
<i>Lead Agency/Department</i>	
<i>Support Agency(ies)/ Department(s)</i>	
Project Point of Contact	
<i>Name</i>	
<i>Title</i>	
<i>Agency/Department</i>	
<i>Phone</i>	
<i>E-mail</i>	

Mitigation Technique Category

- Local Plans and Regulations (LPR) – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.
- Structure and Infrastructure Project (SIP) – These actions involve (1) modifying existing structures and infrastructure to protect them from a hazard, or (2) removing them from a hazard area. This could apply to public or private structures as well as critical facilities and infrastructure. This type of action also includes projects to construct manmade structures to reduce the impact of hazards.
- Natural Systems Protection (NSP) – These are actions that minimize damage and losses, and also preserve or restore the functions of natural systems.
- Education and Awareness Programs (EAP) – These are actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. These actions may also include participation in national programs, such as StormReady and Firewise Communities.

Costs:

If an estimated cost is known, please provide or use the following ranges:

Low = < \$10,000 *Medium* = \$10,000 to \$100,000 *High* = > \$100,000

If costs have not been estimated, please use the following categories:

- Low* Possible to fund under existing budget. Project is part of, or can be part of, an existing on-going program.
- Medium* Could budget for under existing work plan, but would require a reapportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.
- High* Would require an increase in revenue via an alternative source (i.e., bonds, grants, fee increases) to implement. Existing funding levels are not adequate to cover the costs of the proposed project.

Timeline: *Short* = 1 to 5 years *Long-Term* = 5 years or greater
 OG = On-going program *DOF* = Depending on funding



FULTON COUNTY HAZARD MITIGATION PLAN UPDATE
Mitigation Solutions Workshop

SIGN-IN

Tuesday, February 17, 2015 | 6:30 p.m. - 8:00 p.m.

NAME	AGENCY/ORGANIZATION	E-MAIL ADDRESS	TEL.
Mary K. Seville	FC Planning	mksவில்@co.fulton.pa.us	485-3917
Patricia	Fulton County		
Doree Abbison	Bechtel Co. EMA	dabbison@bechtelcounty.pa.us	814-623-9117
Markie Hank	AYA Twp		485-4211
Debbie Hummer	Ayr Twp		485-4507
Randy Wilks	Union Twp	drgope.net	294-6251
Carlynn Wells	Union Twp	union-township@frontier.com	294-6251
Irvin Dasher	F.C. Comm.		
Tony Subbio	Tetra Tech	tony.subbio@tetratech.com	717-545-3580





FULTON COUNTY HAZARD MITIGATION PLAN UPDATE
Mitigation Solutions Workshop

SIGN-IN

Tuesday, February 17, 2015 | 6:30 p.m. - 8:00 p.m.

NAME	AGENCY/ORGANIZATION	E-MAIL ADDRESS	TEL.
ERIC RECKNER	THOMPSON TWP	EBR189@AOL.COM	717-294-3922
Joanne Reckner	Thompson Twp	Jo662@AOL.COM	717-294-3922
Tim Kerstetter	REMA c/A	JAMKERSTET@PA.GOV	717-651-7064
Donald Schwart	Bulford Co. Planning Commission	dschwartz@bulfordcountypa.org	814-623-4827
DELMAS F BARD	BRUSH CREEK TWP	DFBARD@YAHOO.COM	717-294-3423
Martin Ham	Self	martyham@emborgmail.com	717 987 0176
Suzanne Horne	Self		717 485 3748
Donna Welsh	Ayr Township	dawelsh@ajs.com welsh5977@yahoo.com	717 86 06803
Feb Biberbusch	ARC	debiberbusch@pa.gov	717-485-3511
marjorie Klupson	citizen	webstersmiller@aol.com	





MEETING NOTES

Date	March 31, 2015	Time	6:30 – 7:30 p.m.
Location	Fulton County Emergency Management Agency (EMA) / 9-1-1, McConnellsburg, PA		
Attendees	Mary K. Seville, Fulton County Planning Commission		
	Ruth Strait, Fulton County EMA/ 9-1-1		
	Paul Johnston, Chamber of Commerce		
	Irvin Dasher, Fulton County Commissioner		
	Marjorie Hudson, Ayr Township Resident		
	Carolyn Wills, Union Township		
	Randy Wills, Union Township		
	Bob Shipley, Union Township		
	LuAnne Keebaugh, Licking Creek Township		
	Marlin Harr, Ayr Township		
	Donna Welsh, Ayr Township		
	Dayton Tweedy, Ayr Township		
	Murray Romig, Taylor Township		
	Kriste Shoop, Fulton County Medical Center		
	Kim Slee, Fulton County Medical Center		
	C. Duane Souders, Wells Township		
	Kevin Bricker, Wells Township		
	Marcie Mellott, Todd Township		
Eric Reckner, Thompson Township			
Alysse Stehli, Tetra Tech, Inc. (Tetra Tech)			

Purpose

The purpose of the Mitigation Strategy Review Meeting was to provide an update regarding the status of the Fulton County Hazard Mitigation Plan (HMP), with a specific focus on the mitigation goals, objectives, and initiatives. The meeting provided an opportunity for County residents to contribute recommendations about the identified mitigation goals, objectives, and initiatives for Fulton County.

Discussion Points

This section summarizes each discussion point addressed during the Mitigation Strategy Review Meeting.

Welcome and Introductions

Ms. Stehli welcomed attendees to the meeting and the planning process, and gave a brief overview of the evening's agenda.



MEETING NOTES

Mitigation Goals

Ms. Stehli reviewed the hazard mitigation planning process and summarized information from previous public meetings. She explained the mitigation strategy as an organizational framework consisting of goals, objectives, and actions/initiatives that are used to help the County determine ways to implement projects to reduce the County's vulnerability to hazard events.

The first portion of the meeting focused on understanding mitigation goals. Ms. Stehli explained the core concept of goals and how they are identified. She also provided specific information for the Fulton County mitigation goals, including the number of selected goals, their general focus, and the ways they related to the previous version of the County HMP.

Mitigation Objectives

Secondly, Ms. Stehli led a discussion regarding the mitigation objectives. This discussion not only included the ways the objectives relate to the goals, it also addressed sources the Steering Committee used to determine the objectives for the 2015 update. In addition to referencing the previous version of the plan, the Steering Committee considered the results of the HMP risk assessment and capability assessment. The Steering Committee also requested municipal and committee input and feedback on the objectives to determine which objectives should be revised to reflect changes in priorities and needs. The Steering Committee ultimately identified 11 objectives for the County. At this point, Ms. Stehli directed meeting attendees to review the appropriate meeting handout for the full list of mitigation goals and objectives and solicited related questions or suggestions from the attendees.

Mitigation Actions and Initiatives

The meeting addressed the third topic related to the mitigation strategy: mitigation actions and initiatives identified by the County for inclusion in the 2015 HMP update. Ms. Stehli explained the purpose of the initiatives and how they relate to the mitigation goals and objectives. She also described the format used for detailing the initiatives—i.e., the mitigation action plan, and the factors associated with the action plan layout. These factors include the following:

- Hazard(s) that the action will mitigate
- Mitigation action type
- Department/agency responsible for implementation
- Estimated cost for action and potential funding sources
- Implementation schedule
- Implementation priority

Attendees reviewed the handout containing the list of suggested actions. Ms. Stehli led the attendees through each column in the action plan to help them understand the abbreviations, meanings, and the prioritization tool (PA-STEEL). This portion of the meeting led to a discussion regarding suggested changes for specific actions. These suggested changes include the following:

- Add a new action for the County and municipalities to evaluate existing road capacity with concern to increased truck traffic and to determine follow-up actions, as applicable.
- Review the benefit level for FC-5 and FC-34 to determine whether the respective levels are currently appropriate.
- Increase the estimated cost from medium to high for FC-30 and FC-31.



MEETING NOTES

Additionally, a representative from the Friends of Meadow Grounds Lake asked a question about incorporating dam repair update information into the annual review of the County HMP. This representative will also send additional information about the dam repair project (e.g., estimated date for refilling the dam and sources of additional information) to include in the Dam Failure profile of the County HMP.

Next Steps

Ms. Stehli reviewed the following next steps with attendees:


- Tetra Tech plans to complete the Fulton County HMP draft by mid-April so that the Steering Committee can review the draft for suggestions and changes on April 29, 2015.
- The 30-day public draft review period will begin following the Steering Committee draft review.
- A Public Draft Review Meeting will then be held on June 4, 2015.
- Tetra Tech will submit the initial draft to the Pennsylvania Emergency Management Agency (PEMA) for review by mid-June 2015 and to the Federal Emergency Management Agency (FEMA) by mid-July 2015, barring any unexpected schedule changes. The Fulton County HMP will ideally receive its "Approval Pending Adoption (APA)" status by late summer.

After the discussion-and-questions portion of the meeting, Ms. Seville and Ms. Stehli thanked attendees for their time and participation.

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Fulton County Hazard Mitigation Plan (HMP) Update




Agenda

- Welcome
- Mitigation Goals
- Mitigation Objectives
- Mitigation Actions and Initiatives
- Next Steps
- Questions




Welcome

- Welcome and Introductions



Mitigation Goals

- Defining Mitigation Goals
- Mitigation Goal Review Process
 - Review Past Goals
 - Update, if applicable, to recognize new capabilities, priorities, or hazards
- 2015 HMP Goals
 - Five identified goals focusing on:
 - Community Protection
 - Hazard Reduction
 - Strengthening of Capabilities and Resources
 - Please see meeting handout for full list




Mitigation Objectives

- Defining Mitigation Objectives
- Sources for Identifying Objectives
 - HMP Hazard Vulnerability Assessment
 - HMP Capability Assessment
 - Municipal and Community Input
- 2015 HMP Objectives
 - Eleven identified objectives
 - Please see meeting handout for full list



Mitigation Goals and Objectives

1. **Goal 1:** Prevent hazards from impacting the community.
 - a. **Objective 1.A:** Work with the municipalities to create and/or update land use regulations (e.g., zoning, subdivision, and land development).
 - b. **Objective 1.C:** Address areas of roadways that are vulnerable to hazard impacts.
2. **Goal 2:** Protect the people, property, and environment in hazard areas.
 - a. **Objective 2.A:** Examine property protection measures and their applicability to the community.
 - b. **Objective 2.B:** Identify hazard areas in which property protection measures would be most effective.
3. **Goal 3:** Maintain and enhance emergency services capabilities in the community.
 - a. **Objective 3.A:** Ensure adequate communications capabilities among emergency response organizations.
 - b. **Objective 3.B:** Continue to train municipal Emergency Management Coordinators, relevant personnel, and interested members of the community on hazard protection, preparedness, and response.
 - c. **Objective 3.C:** Ensure adequate water supply to fight urban and wildland fires.
4. **Goal 4:** Protect natural resources within the hazard areas.
 - a. **Objective 4.A:** Continue working with the Conservation District to ensure that the County's natural resources are protected.
 - b. **Objective 4.B:** Maintain environmental education programs that the conservation and extension offices conduct, and perhaps create new ones.
5. **Goal 5:** Ensure that stakeholder groups have necessary information to mitigate against hazard impacts.
 - a. **Objective 5.A:** Continue StormReady program participation.
 - b. **Objective 5.B:** Update and maintain the County website with current information from all departments.




Mitigation Actions and Initiatives

- Defining Mitigation Actions
- Fulton County Mitigation Action Plan
 - Incorporates strategies at both County and municipal levels
 - Action plan layout considers the following factors:
 - Hazard(s) that the action will mitigate
 - Mitigation action type
 - Department/agency responsible for implementation
 - Estimated cost for action and potential funding sources
 - Implementation schedule
 - Implementation priority



Mitigation Actions and Initiatives

Fulton County Mitigation Action Plan

Initiative	Priority Hazard	Applicable to County or Municipalities	Estimated Annual Cost	Estimated Annual Benefit	Cost/Benefit Ratio	Level of Hazard Mitigation	Estimated Annual Cost	Estimated Annual Benefit	Cost/Benefit Ratio	Priority	Agency	Comments
FC-1	Chemical and radiological releases, terrorism and weapons, fire, volcanic eruption, CERT and Crisis Corps. Sample mitigation activities would include vehicle, e-hat, and fire as an active opportunity.	N/A	AE	1.8, 4.8	1.8	Create FEMA P-1-1 Mitigation	Medium	Low	FEMA, State, County	OG	M	EAP
FC-2	Begin the process to review and revise existing ordinances and local development regulations to minimize flood risk, and other hazard risks as appropriate. The effort may include municipal review, as interest and resources allow. County can consider public outreach activities (workshops, e-hat, and public presentations) to demonstrate public interest, transparency, and multi-municipal regional collaboration.	Yes	Flood, Submarine Landslide, Dam Failure, Environmental Hazards, Earthquake, Landslide, Transportation Accident	1.1, 1.8	1.1	County Planning, Create FEMA P-1-1	Medium	Medium	FEMA, IDJCP, State, County, Municipal	Start Time	H	LPR

Please see meeting handout for full list of proposed actions.



Next Steps

- Complete the Draft by the middle of April 2015
- Steering Committee Draft Review Meeting
- Public Review Period (30 Days)
- Public Draft Review Meeting
- Submission to PEMA and FEMA



Questions?

Thank you for your time!



Contacts



Mary K. Seville
mkseville@co.fulton.pa.us
 (717) 485-3717



Tony Subbio
tony.subbio@tetrattech.com
 (717) 545-3580





AGENDA

FULTON COUNTY HAZARD MITIGATION PLAN UPDATE Risk Assessment Review Meeting Agenda

Tuesday, March 31, 2015 | 6:30 p.m. – 8:00 p.m.

-
1. Welcome
 2. Mitigation Goals
 3. Mitigation Objectives
 4. Mitigation Actions and Initiatives
 5. Next Steps
 6. Questions
-



Mitigation Goals and Objectives

1. **Goal 1:** Prevent hazards from impacting the community.
 - a. **Objective 1.A:** Work with the municipalities to create and/or update land use regulations (e.g., zoning, subdivision, and land development).
 - b. **Objective 1.C:** Address areas of roadways that are vulnerable to hazard impacts.
2. **Goal 2:** Protect the people, property, and environment in hazard areas.
 - a. **Objective 2.A:** Examine property protection measures and their applicability to the community.
 - b. **Objective 2.B:** Identify hazard areas in which property protection measures would be most effective.
3. **Goal 3:** Maintain and enhance emergency services capabilities in the community.
 - a. **Objective 3.A:** Ensure adequate communications capabilities among emergency response organizations.
 - b. **Objective 3.B:** Continue to train municipal Emergency Management Coordinators, relevant personnel, and interested members of the community on hazard protection, preparedness, and response.
 - c. **Objective 3.C:** Ensure adequate water supply to fight urban and wildland fires.
4. **Goal 4:** Protect natural resources within the hazard areas.
 - a. **Objective 4.A:** Continue working with the Conservation District to ensure that the County's natural resources are protected.
 - b. **Objective 4.B:** Maintain environmental education programs that the conservation and extension offices conduct, and perhaps create new ones.
5. **Goal 5:** Ensure that stakeholder groups have necessary information to mitigate against hazard impacts.
 - a. **Objective 5.A:** Continue StormReady program participation.
 - b. **Objective 5.B:** Update and maintain the County website with current information from all departments.



Mitigation Initiatives

Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals and Objectives Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category
FC-1	Develop and conduct refresher courses and trainings for citizens involved with former County CERT and Citizen Corps. Sample supplemental activities could include website, e-blast, and flyers to advertise opportunities.	N/A	All	3.B, 4.B	County EMA/ 9-1-1, Municipalities	Medium	Low	FEMA, State, County	OG	M	EAP
FC-2	Begin the process to review and revise existing subdivision and land development regulations to minimize flood risk, subsidence/sinkhole risk, and other hazard risks as appropriate. This effort may be multi-municipal/regional, as interest and priorities allow. County can consider public outreach activities (newsletters, e-blasts, and public presentations) to demonstrate inclusiveness, transparency, and multi-municipal/regional collaboration.	New	Flood, Subsidence/Sinkhole, Dam Failure, Environmental Hazards, Earthquake, Landslide, Transportation Accident	1.A, 2.B	County Planning, County EMA/ 9-1-1	Medium	Medium	FEMA HMGP, State, County, Municipal	Short Term	H	LPR

Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals and Objectives	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category
FC-3	<p>Develop and implement an enhanced all-hazards, public outreach/education/mitigation information program on natural hazard risks and a non-technical explanation of what residents can do in the way of mitigation and preparedness, including flood insurance.</p> <p>This effort would be a multi-media campaign that may range from bill inserts, to flyers, posters, public service announcements, social media, tri-fold brochures, and event booths. Outreach will target vulnerable populations and will be modular in size, scale, and reach.</p>	N/A	All	3.B, 4.B	County Planning, County EMA/ 9-1-1, Municipalities	Medium	Low	FEMA, State, County	OG	M	EAP
FC-4	<p>Encourage cross training of existing personnel or use County personnel resources, as timing and funding permit, to enhance local administrative and technical ability. Areas for further professional development may include planning expertise, floodplain administration, hazard/risk management, grant writing and funding, and cost/benefit analysis.</p>	N/A	All	3.B, 4.B	County Planning, County EMA/ 9-1-1, Municipalities	Medium	Low	FEMA, State, County	OG	M	EAP

Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals and Objectives Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category
FC-5	<p>Evaluate the need for a voluntary animal waste/manure/fertilizer self-reporting program for farmers, CAFO facilities, and other relevant organizations so that the County can more accurately estimate the amount of hazardous biological waste transported through the County and so that additional mitigation/safety measures may be implemented, if necessary.</p> <p>This initiative can be completed through the development of educational materials and speakers from the National Fish and Wildlife Foundation, EPA, and Chesapeake Bay Foundation, with a targeted focus to Farm Bureau, Grange, and Conservation Districts.</p>	N/A	Environmental Hazards	2.A, 2.B, 4.A, 5.B	County Planning, County EMA/ 9-1-1, Fulton County Conservation District	Low	Medium	FEMA, EPA, State, County	Short Term	M	LPR, NSP
FC-6	<p>Create and maintain a web-based inventory of the County's special needs population to strengthen emergency response and evacuation operations.</p> <p>As part of this effort, the County will disseminate outreach/education materials to explain the benefits of the program, as well as its voluntary and confidential nature. Outreach will be targeted at senior centers, intermediate units, healthcare providers, and faith-based organizations interfacing with these populations.</p>	N/A	All	3.A, 5.B	County Planning, County EMA/ 9-1-1, County Human Services Administration, County Aging Services	Medium	Medium	FEMA, DHHS, State, County	OG	L	LPR, EAP

Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals and Objectives Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category
FC-7	Ensure all applicable private industrial, commercial, and public utility service providers have a current Environmental Emergency Response Plan per the Federal Clean Water Act the Pennsylvania Clean Streams Law (35 P.S. §§691.1-691.1001), the Pennsylvania Solid Waste Management Act, the Pennsylvania Storage Tank Act, the Oil Pollution Act and regulations promulgated thereunder.	N/A	Environmental Hazards, Flood	2.A	County Planning, County EMA/ 9-1-1	High	Low	FEMA, EPA, State, County, Municipal	Short Term	H	LPR
FC-8	Strengthen the County's domestic animal health surveillance by familiarizing the Fulton County agricultural community with the list of reportable diseases and conditions related to animal health per the Office of International Epizootics (OIE) and the Pennsylvania Domestic Animal Act (Act 100 of 1996). Outreach would be targeted at organizations such as the PSU Cooperation Extension service, Grange Halls, CAFOs, feed and farm supply vendors, the Farm Bureau, Rural Electric Cooperatives and other farm cooperatives, and veterinary practices.	N/A	Environmental Hazards	3.B, 5.B	County Planning, County EMA/ 9-1-1, Fulton County Conservation District	High	Low	County, Municipal	OG	H	EAP

Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals and Objectives Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category
FC-9	Work with the County's agricultural community to develop and implement the CART to strengthen the County's comprehensive emergency management program. Outreach would be targeted at organizations such as the PSU Cooperation Extension service, Grange Halls, CAFOs, feed and farm supply vendors, the Farm Bureau, Rural Electric Cooperatives and other farm cooperatives, and veterinary practices.	N/A	All	3.A	County Planning, County EMA/ 9-1-1, Fulton County Conservation District	Medium	Medium	State, County	Short Term	L	LPR
FC-10	Collaborate with PA DEP Bureau of Radiation Protection to ensure the State's Radon Awareness Campaign and public service announcements are disseminated throughout Fulton County. This could include collateral and website development/links, County public service announcements, and social media development.	N/A	Radon Exposure	3.B	County Planning, County EMA/ 9-1-1, PA DEP, Municipalities	Low	Low	FEMA, PA DEP, County	OG	H	EAP
FC-11	Obtain an engineering study to redesign the intersection at Taylor Road and Waterfall Road in Dublin Township. Currently, emergency vehicles have difficulty making the turn at this intersection.	Existing	Transportation Accident	1.C, 2.A, 2.B	Dublin Township, County Planning	Medium	Medium	FEMA HMGP and PDM, State, County, Township	Short Term	L	SIP
FC-12	Research corrective action needed to improve the condition of Tannery Road Bridge in Dublin Township, and implement, if feasible.	Existing	Transportation Accident, Flood	1.C, 2.A, 2.B	Dublin Township, County EMA/ 9-1-1	Medium	Medium	FEMA HMGP and PDM, State, County, Township	Short Term	M	SIP
FC-13	Research corrective action to prevent flooding of Park Road in Dublin Township, and implement, if feasible.	Existing	Transportation Accident, Flood	1.C, 2.A, 2.B	Dublin Township, County EMA/ 9-1-1	Medium	Medium	FEMA HMGP and PDM, State, County, Township	Short Term	M	SIP

Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals and Objectives Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category
FC-14	In Belfast Township, cut the bank back at 278 Black Bear Road to improve sight distance.	Existing	Transportation Accident	1.C, 2.A, 2.B	Belfast Township, County Planning	Medium	Medium	FEMA HMGP and PDM, State, County, Township	Short Term	L	SIP
FC-15	In Union Township, continue to pursue political channels and collaboration with state agencies (e.g., PennDOT) to study and maintain the slide area on T-366 (Old 126).	Existing	Landslide, Subsidence/Sinkholes, Transportation Accidents	1.C, 2.A, 2.B	Union Township, County Planning, County EMA/ 9-1-1	Medium	Low	County, Township	OG	H	SIP, LPR
FC-16	In Ayr Township, identify and implement response to manage stormwater runoff along Route 16, from True Value to Citgo Station.	Existing	Flood, Transportation Accident	1.C, 2.A, 2.B	Ayr Township, County Planning, County EMA/ 9-1-1	Medium	Medium	FEMA HMGP and PDM, State, County, Township	Short Term	M	SIP
FC-17	Conduct workshops and training for municipal officials on the benefits of land use regulations to protect new and existing structures and infrastructure.	New and Existing	All	3.B	County Planning, Municipalities	Medium	Low	FEMA, State, County	OG	M	EAP
FC-18	Conduct, sponsor, or facilitate grant writing trainings for municipal officials and other relevant personnel.	N/A	All	3.B	County Planning, Municipalities	Medium	Low	State, County	OG	M	EAP
FC-19	Replace three tiles on Johnstons Drive, in Todd Township, with one squash tile.	Existing	Transportation Accident	1.C, 2.A, 2.B	Todd Township, County Planning	Medium	Medium	FEMA HMGP and PDM, State, County, Township	Short Term	M	SIP
FC-20	Construct a bridge on Creek Road (T-388) in Licking Creek Township over the creek fording.	New	Flood, Transportation Accident	1.C, 2.A, 2.B	Licking Creek Township, County Planning	Medium	High	FEMA HMGP and PDM, State, County, Township	Short Term	M	SIP
FC-21	Increase visibility at the intersection of Great Cove Road (US-522) and Alpine Road in Bethel Township.	Existing	Transportation Accident	1.C, 2.A, 2.B	Bethel Township, County Planning	Medium	Medium	FEMA HMGP and PDM, State, County, Township	Short Term	L	SIP

Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals and Objectives	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category
FC-22	Increase visibility at the intersection of Great Cove Road (US-522) and Bethel Church Road in Bethel Township.	Existing	Transportation Accident	1.C, 2.A, 2.B	Bethel Township, County Planning	Medium	Medium	FEMA HMGP and PDM, State, County, Township	Short Term	L	SIP
FC-23	Increase visibility at the intersection of State Route 643 and Spring Road in Bethel Township.	Existing	Transportation Accident	1.C, 2.A, 2.B	Bethel Township, County Planning	Medium	Medium	FEMA HMGP and PDM, State, County, Township	Short Term	L	SIP
FC-24	Increase visibility at the intersection of Stoney Break Road and Black Oak Road in Bethel Township.	Existing	Transportation Accident	1.C, 2.A, 2.B	Bethel Township, County Planning	Medium	Medium	FEMA HMGP and PDM, State, County, Township	Short Term	L	SIP
FC-25	Increase visibility at the intersection of Buck Valley Road and Mays Chapel Road in Bethel Township.	Existing	Transportation Accident	1.C, 2.A, 2.B	Bethel Township, County Planning	Medium	Medium	FEMA HMGP and PDM, State, County, Township	Short Term	L	SIP
FC-26	Obtain information on existing and proposed new structures in the areas with the highest relative vulnerability to determine the best property protection methods. The following information should be obtained: • Lowest-floor elevation • Number of stories • Presence of a basement • Market and/or replacement value	New and Existing	All	2.A, 2.B	County Planning, County EMA/ 9-1-1	Medium	Medium	FEMA HMGP PDM, and FMA, State, County, Municipal	OG	L	EAP, SIP
FC-27	Obtain information for all existing and proposed new structures in the 1% chance floodplain to determine the best property protection methods to promote with individual property owners.	New and Existing	Flood	2.A, 2.B	County Planning, County EMA/ 9-1-1	Medium	Medium	FEMA HMGP PDM, and FMA, State, County, Municipal	OG	L	EAP, SIP
FC-28	Examine the effects of requiring anchor straps and improved roofing shingles on new and existing manufactured homes and residences of the County.	New and Existing	All	2.A	County Planning, County EMA/ 9-1-1	Medium	Medium	FEMA HMGP and PDM, State, County	Short Term	L	SIP

Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals and Objectives Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category
FC-29	Establish a Firewise Program in the County, especially around the Meadow Grounds Lake, Cowans Gap State Park, and Breezewood Park. Part of this initiative could include visual development of impacted areas; public service announcements; and educational outreach to farmers, hunters, campers, hikers, school children, and homeowners in the Wildland-Urban Interface.	N/A	Wildfire	3.B, 3.C, 4.B	County Planning, County EMA/ 9-1-1, Individual response organizations (Fire Departments)	Medium	Low	FEMA HMGP and PDM, State, County, Municipal	Short Term	L	EAP
FC-30	Identify and apply for funding to enhance the County's radio system.	N/A	All	3.A	County Planning, County EMA/ 9-1-1	Medium	Medium	FEMA HMGP and PDM, State, County, Municipal	Short Term	M	SIP
FC-31	Identify and apply for funding to upgrade emergency responders' radio equipment.	N/A	All	3.A	Individual response organizations (fire departments)	Medium	Medium	FEMA, State, County, Municipal	Short Term	L	SIP
FC-32	Install dry hydrant locations along PA-655 to assist the Needmore Fire Company.	New	Wildfire	2.A, 2.B	County Planning, Needmore Fire Company, Belfast Township	Medium	Medium	FEMA HMGP and PDM, State, County, Township	Short Term	L	SIP
FC-33	Protect natural wetlands that may absorb floodwaters. The benefits of this action would be described in other collateral developed for related initiatives.	Existing	Flood	4.A, 4.B	Fulton County Conservation District, County Planning, County EMA/9-1-1	High	Medium	FEMA HMGP and PDM, State, County, Municipal	OG	L	NSP
FC-34	Implement programs deemed necessary by the Conservation District.	N/A	All	4.A, 4.B	Fulton County Conservation District, County Planning, County EMA/9-1-1	High	Medium	FEMA HMGP and PDM (Dependent on Program), State, County, Municipal	OG	L	NSP

Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals and Objectives	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category
FC-35	Coordinate with the conservation and extension offices to provide education and training to emergency responders, managers, and municipal officials. Topic focuses could include modules from the Emergency Operations Plan, Crisis Communications, volunteer management, and recovery/resilience strategies.	N/A	All	3.B, 4.A, 4.B	Fulton County Conservation District, County Planning, County EMA/9-1-1	Medium	Low	FEMA, State, County, Municipal	OG	L	EAP, NSP
FC-36	Encourage major employers and other facilities to participate in the secondary StormReady programs. Such encouragement could occur through digital and print collateral, personal outreach, and speaking events at local service organizations (e.g., Rotary or Chamber events).	N/A	Flood, Hailstorm, Tornado and Windstorm, Winter Storm	5.A	County Planning, County EMA/9-1-1, Municipalities	Medium	Low	FEMA, State, County, Municipal	OG	L	EAP, LPR
FC-37	Seek relevant input from all departments during the pre-impact, impact, and post-impact phases of an emergency.	N/A	All	3.A, 5.B	County Planning, County EMA/9-1-1, Municipalities	High	Low	County, Municipal	OG	L	EAP, LPR
FC-38	Identify and fill gaps in information needed to conduct vulnerability analysis in hazard areas.	N/A	All	2.B, 5.B	County Planning, County EMA/9-1-1, Municipalities	High	Low	County, Municipal	OG	L	EAP, LPR

Notes: *Does this mitigation initiative reduce the effects of hazards on new and/or existing buildings and/or infrastructure? Not applicable (N/A) is inserted if this does not apply.

CAFO = Concentrated Animal Feeding Operation

CART = County Animal Response Team

CERT = Community Emergency Response Team

DHHS = Department of Health and Human Services

FEMA = Federal Emergency Management Agency

PA DEP = Pennsylvania Department of Environmental Protection

PennDOT = Pennsylvania Department of Transportation

PSU = Pennsylvania State University

Costs:

Where actual project costs cannot reasonably be established at this time:

Low = < \$10,000

Medium = \$10,000 to \$100,000

High = > \$100,000



Potential FEMA HMA Funding Sources:

PDM = Pre-Disaster Mitigation Grant Program

FMA = Flood Mitigation Assistance Grant Program

RFC = Repetitive Flood Claims Grant Program

SRL = Severe Repetitive Loss Grant Program

HMGP = Hazard Mitigation Grant Program

Timeline:

Short Term = 1 to 5 years. Long Term = 5 years or greater. OG = Ongoing program.

DOF = Depending on funding.

Priority:

H = High

M = Moderate

L = Low

Mitigation Category:

Local Plans and Regulations (LPR) = These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.

Structure and Infrastructure Project (SIP) = These actions involve modifying existing structures and infrastructure to protect them from a hazard or remove them from a hazard area. This could apply to public or private structures as well as critical facilities and infrastructure. This type of action also involves projects to construct manmade structures to reduce the impact of hazards.

Natural Systems Protection (NSP) = These are actions that minimize damage and losses, and also preserve or restore the functions of natural systems.

Education and Awareness Programs (EAP) = These are actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. These actions may also include participation in national programs, such as StormReady and Firewise Communities.





FULTON COUNTY HAZARD MITIGATION PLAN UPDATE
Mitigation Strategy Review Meeting

SIGN-IN

Tuesday, March 31, 2015 | 6:30 p.m. - 8:00 p.m.

NAME	AGENCY/ORGANIZATION	E-MAIL ADDRESS	TEL.
Lee Parker	THOMPSON TWP	ESP2189@AOL.COM	717-294-3822
Murray Romig	Taylor Twp.		814-685-3857
Maria G. N. Abbott	Todd Twp	todd.howrshipp@comcast.net	717-987-3812
Diane Souders	Wells Twp	edsouders@Frontier.com	814-617-0492
Kerri Buckus	Wells Twp		814-685-3925
Britte Sheep	FCMC	Ksheep@fcmc.pa.org	717-485-2846
Russell	FCMC	Kslee@fcmc.pa.org	717-485-6846
Mark K. Seile	Fulton Co. Planning	mkseile@co.fulton.pa.us	717-485-3919
Fith Strait	Ful. Co. EMR	VStrait@Co.Fulton.Pa.us	717-485-3201
Dayton Tweedy	Ayr Twp	aptweedy@gmail.com	717-816-2404
Donna Welsh	Ayr Twp LSPC	dawelsh5977@yahoo.com	717-660-8833
Alyse Stehli	TetraTech	alyse.stehli@tetratech.com	717-545-3580





FULTON COUNTY HAZARD MITIGATION PLAN UPDATE
Mitigation Strategy Review Meeting

SIGN-IN

Tuesday, March 31, 2015 | 6:30 p.m. - 8:00 p.m.

NAME	AGENCY/ORGANIZATION	E-MAIL ADDRESS	TEL.
Maxine Harris	ATX TSP		285-9211
Deborah DeBeauvoir	Chickasaw Creek TSP	lking@rrelco@fultonnet.net	830-3115
Paul Roberts	Chamber of Commerce	info@fultoncounty.ga.gov	325-0238
Carlynn Miller	Union Twp.	union-township@fulton.net	677-6777
Franky Miller	" "		777-294-6351
Bob Skidmore	" "		
Trini Gardner	Fulton Co. Commissioners		
Marjorie Hudson	CITAGEN, ATX TSP	websterami1@aol.com	





MEETING NOTES

Date	April 29, 2015	Time	6:30 – 7:00 p.m.
Location	Fulton County Emergency Management Agency (EMA) / 9-1-1, McConnellsburg, PA		
Attendees	Mary K. Seville, Fulton County Planning Commission		
	LuAnne Keebaugh, Licking Creek Township		
	Denise Grissinger, Ayr Township		
	Murray Romig, Taylor Township		
	Kriste Shoop, Fulton County Medical Center		
	Marlin Harr, Ayr Township		
	Rick Buterbaugh, McConnellsburg Borough		
	Ray E. Powell, Bethel Township		
	Eric Reckner, Thompson Township		
	John Mixell, Forbes Road School District		
	Ed Mickey, Pennsylvania Department of Transportation (PennDOT)		
	Jim Kerstetter, Pennsylvania Emergency Management Agency (PEMA) Central Area		
Tony Subbio, Tetra Tech, Inc. (Tetra Tech)			

Purpose

The purpose of the Plan Draft Review Meeting was to offer an opportunity for Steering Committee members to provide input on the draft of the Fulton County Hazard Mitigation Plan (HMP).

Discussion Points

This section summarizes each discussion point addressed during the Plan Draft Review Meeting.

Review the Planning Process

Mr. Subbio reviewed the process that the County went through to update the HMP. The Steering Committee Kickoff Meeting was held on October 9, 2014. The Risk Assessment was conducted between September 2014 and March 2015. The Mitigation Strategy was updated between December 2014 and April 2015. The HMP document was updated between November 2015 and April 2015.

Stakeholders involved in the planning process included the County Commissioners, Planning Commission, EMA/ 9-1-1, Conservation District, and Chamber of Commerce and Tourism. Of the 13 municipalities in the County, 12 participated in the planning process. PEMA, PennDOT, and the Pennsylvania State Police (PSP) also participated. Other stakeholders engaged in the planning process included the Fulton County Medical Center, Hustontown Fire 57, the American Red Cross, JLG Industries, and the Bedford County Planning Department and Emergency Management Agency.

Review the Document

Mr. Subbio then identified the content of each section of the HMP.



MEETING NOTES

Section 1 introduces the plan and provides background information regarding hazard mitigation.

Section 2: County Profile was updated with 2010 Census data and current geographic information system (GIS) data.

Section 3 describes the planning process and stakeholder involvement, discussing the same information that was reviewed in the first part of the meeting.

Section 4: Risk Assessment profiles and prioritizes the hazards faced by the County and its municipalities.

Section 5 identifies the County's and municipalities' existing capabilities to implement hazard mitigation.

Section 6: Mitigation Strategy—the most important section of the plan—provides the goals, objectives, and mitigation actions chosen by the participating jurisdictions.

Section 7: Plan Maintenance describes the process for updating the plan over the next 5 years. Mr. Subbio pointed out that while little was done between the approval date of the 2010 version of the HMP and the current time, the Federal Emergency Management Agency (FEMA) and PEMA will be looking for the ways the County regularly updates and maintains the plan.

Section 8 discusses the formal adoption process and provides template resolutions for the County and municipalities. Mr. Subbio explained that after PEMA and FEMA review the plan and declare that it meets the necessary HMP requirements, the plan will be granted "Approvable Pending Adoption" (APA) status. The County and at least one participating municipality will then adopt the plan by resolution, and will submit those resolutions to FEMA. FEMA will then grant formal approval to the HMP. The remaining municipalities will have 1 year from the date of the County's adoption of the HMP to adopt it by resolution themselves.

The following appendices are also included in the plan:

- Authorities and References
- The formal crosswalk of the plan to the requirements of the Disaster Mitigation Act of 2000 (DMA 2000)
- Meeting Documentation
- Municipal Participation – the surveys completed by each municipality
- Public and Stakeholder Participation – input from members of the general public and documentation regarding the methods by which information was provided by the County to the public
- Floodplain Maps for each municipality
- Adoption Resolutions – this appendix will be empty until the jurisdictions adopt the plan
- Blank Mitigation Action Worksheet
- Completed Mitigation Action Worksheets

Next Steps

Mr. Subbio reviewed the following next steps with attendees:

- The public comment period will run from May 4 – June 3, 2015.
- A public meeting to solicit feedback on the draft HMP will be held on June 4, 2015.
- Tetra Tech will put the finishing touches on the plan between June 4 and 9, 2015.



MEETING NOTES

- Tetra Tech will submit the plan to PEMA for review on or about June 10, 2015. PEMA will probably take about 2 weeks to review the document.
- Tetra Tech will submit the plan to FEMA Region III for formal review in late June 2015. FEMA usually takes 2-3 months to complete the review. After that, Tetra Tech will address FEMA's comments and resubmit the plan until it receives APA status.

No attendees had any further questions or comments. Ms. Seville and Mr. Subbio thanked attendees for their time and participation.

The meeting adjourned at 7:00 p.m.



AGENDA

FULTON COUNTY HAZARD MITIGATION PLAN UPDATE Steering Committee Plan Draft Review Meeting Agenda

Wednesday, April 29, 2015 | 6:30 p.m. – 8:00 p.m.

-
1. Welcome
 2. Review the Planning Process
 3. Review the Document
 4. Next Steps
 5. Questions
-





Agenda

- Welcome
- Review the Planning Process
- Review the Document
- Next Steps
- Questions

Review the Planning Process

- Steering Committee Kickoff
 - October 9, 2014
- Risk Assessment
 - September 2, 2014 – March 30, 2015
- Mitigation Strategy Update
 - December 10, 2014 – April 7, 2015
- HMP Document Update
 - November 3, 2014 – April 15, 2015

Review the Planning Process

- Stakeholder Involvement
 - County
 - Commissioners
 - Planning
 - EMA/9-1-1
 - Conservation District
 - Chamber of Commerce and Tourism
 - 12 of 13 Municipalities
 - State
 - PEMA
 - PennDOT
 - PSP
 - Fulton County Medical Center
 - Hustontown Fire 57
 - ARC
 - JLG Industries
 - Bedford County
 - Planning
 - EMA

Review the Document

- Section 1: Introduction
 - Background
 - Purpose
 - Scope
- Section 2: County Profile
 - Geography and Environment
 - Population and Demographics
 - Land Use and Development
 - Critical Facilities

Review the Document

- Section 3: Planning Process
 - Update Process
 - Meetings and Documentation
 - Public and Stakeholder Participation
- Section 4: Risk Assessment
 - Methodology
 - Hazard Profiles
 - Hazard Ranking

Hazard Type	Hazard Severity	Risk Assessment Criteria					Risk Rating
		PROBABILITY	IMPACT	CRITICAL ASSETS	EXPOSURE	DURATION	
Flood	High	4	4	4	4	4	160
Earthquake	High	4	4	4	4	4	160
Wind	High	4	4	4	4	4	160
Other Hazards	Low	1	1	1	1	1	1



Review the Document

- Section 5: Capability Assessment
 - Emergency Management
 - Participation in the NFIP
 - Planning and Regulatory
 - Administrative and Technical
 - Fiscal
 - Political Will

Municipality	Planning and Regulatory Capability	Capability Category			Community Planning/Coordination	Emergency Preparedness Capability
		Administrative and Technical Capabilities	Fiscal Resources	Political Will		
Fulton County	Medium	Medium	Low	Medium	Medium	
Aut. Territory	Low	Low	Low	Low	Low	
Bartholomew County	High	High	High	High	High	
Bloch Creek Township	Medium	Medium	Medium	Medium	Medium	
Dallas County	Medium	Medium	Medium	Medium	Medium	
Licking Creek Township	Medium	Medium	Low	Medium	Medium	
McCoy Township	Medium	Medium	High	Medium	Medium	
Madison County	Medium	Medium	Low	Medium	Medium	
Shannon Township	High	High	High	High	High	
Union Township	Medium	Medium	Medium	Medium	Medium	
Wayne County	Low	Low	Low	Low	Low	
Wade County	Medium	Medium	Low	Medium	Medium	
Wright County	Medium	Medium	Low	Medium	Medium	

Review the Document

- Section 6: Mitigation Strategy
 - Update Process Summary
 - Goals and Objectives
 - Action Plan
 - Prioritization

Item	Mitigation Measure	Priority	Impact	Cost	Lead Agency	Other Agencies	Other Organizations	Other Stakeholders	Other Resources	Other Information		
EC-02	Detail the technical location along the floodplain for the Floodplain Plan	Low	Medium	2 A, 1 B	Local Planning Commission	Madison County	Madison County	Madison County	Madison County	Short Term	1	EP
EC-03	Provide a list of mitigation measures along the floodplain. The location of the measures should be identified as either individual or developed for related categories.	Medium	High	4 A, 4 B	Local Planning Commission	Madison County	Madison County	Madison County	Madison County	Long Term	1	SP
EC-04	Implement program-based measures for the Communities District	NA	NA	4 A, 4 B	Local Planning Commission	Madison County	Madison County	Madison County	Madison County	Long Term	1	SP

Review the Document

- Section 7: Plan Maintenance Procedures
 - Monitoring, Evaluating, and Updating the Plan
 - Mitigation through Existing Programs
 - Continued Public Involvement
- Section 8: Plan Adoption



Review the Document

- Appendices
 - Authorities and References
 - Crosswalk
 - Meeting Documentation
 - Municipal Participation
 - Public and Stakeholder Participation
 - Floodplain Maps
 - Adoption Resolutions
 - Blank Mitigation Action Worksheet
 - Completed Mitigation Action Worksheets



Next Steps

- Public Review Period
 - May 4 – June 3, 2015
- Public Draft Review Meeting
 - June 4, 2015
- Finishing Touches
 - June 4 - 9, 2015
- Submission to PEMA
 - June 10, 2015
- Submission to FEMA Region III
 - Late June 2015

Questions?

Thank you for your time!

Contacts



Mary K. Seville

mkseville@co.fulton.pa.us

(717) 485-3717



Tony Subbio

tony.subbio@tetratech.com

(717) 545-3580





FULTON COUNTY HAZARD MITIGATION PLAN UPDATE
Steering Committee Plan Draft Review Meeting

SIGN-IN

Wednesday, April 29, 2015 | 6:30 p.m. - 8:00 p.m.

NAME	AGENCY/ORGANIZATION	E-MAIL ADDRESS	TEL.
Murray Romig	Taylor Township		814-685-3857
JIM Kerstetter	Pema c/a	JAMKERSTET@PA.GOV	717-651-7064
Ed Mickley	Penn Dot		
John Mixell	Forbes Road SD	J.MIXELL@FRSD.INFO	717-360-2294
LynAnne Keebaugh	Licking Creek Twp	lic.k.keebaugh@frontier.net	717-830-3115
Maxine Howe	AYR Twp		717-485-4211
Kriste Sharp	FCMC	Ksharp@fcmcpa.org	717-485-2846
Tony Subbio	Tetra Tech	tony.subbio@tetratech.com	717-545-3580





MEETING NOTES

Date	June 4, 2015	Time	6:30 – 7:30 p.m.
Location	Fulton County Emergency Management Agency (EMA) / 9-1-1, McConnellsburg, PA		
Attendees	Mary K. Seville, Fulton County Planning Commission		
	Ruth Strait, Fulton County EMA / 9-1-1		
	Marjorie Hudson, Ayr Township Resident		
	Murray Romig, Taylor Township		
	John Keefer Jr., Belfast Township		
	Alysse Stehli, Tetra Tech, Inc. (Tetra Tech)		

Purpose

The purpose of the Plan Draft Review Meeting was to offer an opportunity for municipal representatives, County stakeholders, and members of the public to provide input on the draft of the Fulton County Hazard Mitigation Plan (HMP).

Discussion Points

This section summarizes each discussion point addressed during the Plan Draft Review Meeting.

Review the Planning Process

Ms. Stehli reviewed the process that the County went through to update the HMP. The Steering Committee Kickoff Meeting was held on October 9, 2014. The Risk Assessment was conducted between September 2014 and March 2015. The Mitigation Strategy was updated between December 2014 and April 2015. The HMP document was updated between November 2015 and April 2015. The public comment period ran from May 4 until June 3, 2015.

Stakeholders involved in the planning process included the County Commissioners, Planning Commission, EMA/9-1-1, Conservation District, and Chamber of Commerce and Tourism. Of the 13 municipalities in the County, 12 participated in the planning process. The Pennsylvania Emergency Management Agency (PEMA), Pennsylvania Department of Transportation (PennDOT), and the Pennsylvania State Police (PSP) also participated. Other stakeholders engaged in the planning process included the Fulton County Medical Center, Hustontown Fire 57, the American Red Cross, JLG Industries, and the Bedford County Planning Department and Emergency Management Agency.

Review the Document

Ms. Stehli then identified the content of each section of the HMP.

Section 1 introduces the plan and provides background information regarding hazard mitigation.

Section 2: County Profile was updated with 2010 Census data and current geographic information system (GIS) data.

Section 3 describes the planning process and stakeholder involvement, discussing the same information that was reviewed in the first part of the meeting.



MEETING NOTES

Section 4: Risk Assessment profiles and prioritizes the hazards faced by the County and its municipalities.

Section 5 identifies the County and municipalities' existing capabilities to implement hazard mitigation.

Section 6: Mitigation Strategy—the most important section of the plan—provides the goals, objectives, and mitigation actions chosen by the participating jurisdictions. Ms. Stehli noted that both the County and individual jurisdictions identified projects for inclusion in this plan.

Section 7: Plan Maintenance describes the process for updating the plan over the next 5 years. Ms. Stehli emphasized that the plan is a living document and that it should continue to be updated and reviewed during its 5-year life cycle. Ms. Seville confirmed to meeting attendees that the County would review the plan on a regular basis.

Section 8 discusses the formal adoption process and provides template resolutions for the County and municipalities. Ms. Stehli explained that after PEMA and the Federal Emergency Management Agency (FEMA) review the plan and declare that it meets the necessary HMP requirements, the plan will be granted "Approvable Pending Adoption" (APA) status. The County and at least one participating municipality will then adopt the plan by resolution, and will submit those resolutions to FEMA. FEMA will then grant formal approval to the HMP. The remaining municipalities will have 1 year from the date of the County's adoption of the HMP to adopt it by resolution themselves.

The following appendices are also included in the plan:

- Authorities and References
- Formal crosswalk of the plan to the requirements of the Disaster Mitigation Act of 2000 (DMA 2000)
- Meeting Documentation
- Municipal Participation – the surveys completed by each municipality
- Public and Stakeholder Participation – input from members of the general public and documentation regarding the methods by which information was provided by the County to the public
- Floodplain Maps for each municipality
- Adoption Resolutions – this appendix will be empty until the jurisdictions adopt the plan
- Blank Mitigation Action Worksheet
- Completed Mitigation Action Worksheets

Questions

During the course of the meeting, attendees had several questions. Questions included issues regarding whether personal information (i.e., contact information) on sign-in sheets, meeting notes, and general correspondence could be redacted when published on the project website; confirmation as to whether the previous steering committee meeting notes and materials had been posted to the project website; whether the County needs to send a final notice to the non-participating municipality about the plan; and whether the proposed deadline in the next steps was flexible. Tetra Tech will confirm answers to any remaining queries directly to the County.



MEETING NOTES

Next Steps

Ms. Stehli reviewed the following next steps with attendees:

- Ms. Seville will submit final comments and suggestions by June 8, 2015.
- Tetra Tech will respond with information on the remaining project questions noted above before June 9, 2015.
- Tetra Tech will put the finishing touches on the plan between June 4 and 9, 2015.
- Tetra Tech will submit the plan to PEMA for review on or about June 10, 2015. PEMA will probably take about 2 weeks to review the document.
- Tetra Tech will submit the plan to FEMA Region III for formal review in late June 2015. FEMA usually takes 2-3 months to complete the review. After that, Tetra Tech will address FEMA's comments and resubmit the plan until it receives APA status.

No attendees had any further questions or comments. Ms. Seville and Ms. Stehli thanked attendees for their time and participation.

The meeting adjourned at 7:30 p.m.



AGENDA

FULTON COUNTY HAZARD MITIGATION PLAN UPDATE Public Plan Draft Review Meeting Agenda

Thursday, June 4, 2015 | 6:30 p.m. – 8:00 p.m.

-
1. Welcome
 2. Review the Planning Process
 3. Review the Document
 4. Next Steps
 5. Questions
-



Contacts



Mary K. Seville

mkseville@co.fulton.pa.us

(717) 485-3717



Alyse Stehli

alysse.stehli@tetratech.com

(717) 545-3580



**PUBLIC MEETING
NOTICE**

Fulton County and its municipalities are updating the Fulton County Hazard Mitigation Plan (HMP). The HMP is designed to make our community more resistant to losses from natural and man-made disasters, and to enable the county and municipalities to be eligible for federal funding for qualifying mitigation projects. There will be a public meeting to review the updated risk assessment at the Fulton County Planning Office in the lower level of the Services for Children Building, 219 North Second Street, McConnellsburg, PA, from 6:30 to 8:00 p.m. on January 27, 2015. All interested parties are invited to attend and provide comments on the risk assessment, which is

"Draft Documents for Review" page at www.fultonhmp.com. For more information, contact Mary K. Seville of the Fulton County Planning Commission at 717-485-3717.

1-15-2t

PROOF OF PUBLICATION

STATE OF PENNSYLVANIA, COUNTY OF FULTON, ss:

Jamie Greathead

, being duly sworn, deposes and says: that The Fulton County News was established in 1899, that it is a weekly newspaper of general circulation, published weekly, as defined by the Act of Assembly approved May 16, 1929, P.L. 1929, page 784, and that its place of business is McConnellsburg Borough, Fulton County, Pennsylvania, and that the attached printed notice is a copy of the legal advertisement, exactly as printed in the said publication in its issue of 1-15-15, 1-22-15.

That the affiant is not interested in the subject matter of the advertisement or advertising and that I, Jamie Greathead, am the publisher of The Fulton County News and that all allegations of the statement as to the time, place and character of publication are true.

read before me this 22nd
day, A.D., 20 15

Jamie B Greathead

Arlyn D. [Signature]
COMMISSION EXPIRES

FIRST MONDAY IN
JANUARY 2018

THURSDAY, FEBRUARY 5, 2015

**PUBLIC MEETING
NOTICE**

Fulton County and its municipalities are updating the Fulton County Hazard Mitigation Plan (HMP). The HMP is designed to make our community more resist-

ant to losses from natural and man-made disasters, and to enable the county and municipalities to be eligible for federal funding for qualifying mitigation projects. There will be a public meeting to identify possible actions to reduce our communities' vulnerability to hazards from 6:30 to 8 p.m. on Tuesday, February 17, 2015. The meeting will be held in the EOC Conference Room, located in the lower level of the Services for Children Building at 219 N. Second Street in McConnellsburg. All interested parties are invited to attend and provide input. For more information, contact Mary K. Seville of the Fulton County Planning Commission at 717-485-3717.

2-5-2t

**PUBLIC MEETING
NOTICE**

Fulton County and its municipalities are updating the Fulton County Hazard Mitigation Plan (HMP). The HMP is designed to make our community more resistant to losses from natural and man-made disasters, and to enable the county and municipalities to be eligible for federal funding for qualifying mitigation projects. There will be a public meeting to review the updated set of mitigation goals, objectives and actions to be included in the revised HMP from 6:30 p.m. to 8 p.m. on Tuesday, March 31, 2015.

The meeting will be held in the EOC Conference Room, located in the lower level of the Services for Children building at 219 North Second Street in McConnellsburg. All interested parties are invited to attend and provide input. For more information, contact Mary K. Seville of the Fulton County Planning Commission at 717-485-3717.

3-19-2t

COMMISSION EXPIRES

PROOF OF PUBLICATION

STATE OF PENNSYLVANIA, COUNTY OF FULTON, ss:

Jamie Greathead, being duly sworn, deposes and says: that The Fulton County News was established in 1899, that it is a weekly newspaper of general circulation, published weekly, as defined by the Act of Assembly approved May 16, 1929, P.L. 1929, page 784, and that its place of business is McConnellsburg Borough, Fulton County, Pennsylvania, and that the attached printed notice is a copy of the legal advertisement, exactly as printed in the said publication in its issue of 3-19-15, 3-26-15. That the affiant is not interested in the subject matter of the advertisement or advertising and that I, Jamie Greathead, am the publisher of The Fulton County News and that all allegations of the statement as to the time, place and character of publication are true.

Subscribed before me this 26th

Jamie S Greathead

, A.D., 20 15

Haven Deputy Prothonotary

MY COMMISSION EXPIRES

FIRST MONDAY IN
JANUARY 2018

Evaluation of Identified Hazards and Risk

Name: _____ Title: _____

Jurisdiction: _____

PART I

Identified Hazards 2010 HMP	How has the frequency of occurrence, magnitude of impact, and/or geographic extent changed in your community? <i>NC = No Change; I = Increase; D = Decrease</i> <i>(Please provide an explanation for any hazards marked I or D in the "Additional Comments" column)</i>	Additional Comments
Drought		
Earthquakes		
Environmental Hazards		
Floods, Flash Floods, and Ice Jams		
Hailstorms		
Severe Wind Storms		
Severe Winter Storms		
Subsidence and Sinkholes		
Transportation Hazards		
Wildfires		

PART II

Other Hazards:

Do any of these hazards, not previously profiled in the County's hazard mitigation plan; have the potential to affect your municipality significantly? (If so, please check the box)

Natural

- | | |
|--|--|
| <input type="checkbox"/> Avalanche/Glacier | <input type="checkbox"/> Landslides |
| <input type="checkbox"/> Coastal Erosion | <input type="checkbox"/> Lighting Strike |
| <input type="checkbox"/> Dust, Sand Storm | <input type="checkbox"/> Pandemic and Infectious Disease |
| <input type="checkbox"/> Expansive Soils | <input type="checkbox"/> Radon Exposure |
| <input type="checkbox"/> Extreme Temperature | <input type="checkbox"/> Tsunami |
| <input type="checkbox"/> Hurricane, Tropical Storm, Nor'easter | <input type="checkbox"/> Volcano |
| <input type="checkbox"/> Invasive Species | |

Human-Caused

- | | |
|---|--|
| <input type="checkbox"/> Building or Structure Collapse | <input type="checkbox"/> Fixed Nuclear Facility |
| <input type="checkbox"/> Civil Disturbance | <input type="checkbox"/> Levee Failure |
| <input type="checkbox"/> Dam Failures | <input type="checkbox"/> Nuclear Attack |
| <input type="checkbox"/> Disorientation | <input type="checkbox"/> Terrorism |
| <input type="checkbox"/> Drowning | <input type="checkbox"/> Urban Explosion |
| <input type="checkbox"/> Energy Emergencies | <input type="checkbox"/> Utility Interruption |
| <input type="checkbox"/> Fire | <input type="checkbox"/> War and Criminal Activity |

Other Comments:

A large, empty rectangular box with a black border, intended for providing additional comments or feedback.

Capability Assessment Survey

Jurisdiction: _____

Point of Contact Name and Title: _____

Phone: _____

Email: _____

1. Planning and Regulatory Capability: Please indicate whether the following planning or regulatory tools and programs are currently in place or under development for your jurisdiction by placing an "X" in the appropriate box, followed by the date of adoption/update. Then, for each particular item in place, identify the department or agency responsible for its implementation and indicate its estimated or anticipated effect on hazard loss reduction (Supports, Neutral or Hinders) with the appropriate symbol and also indicate if there has been a change in the ability of the tool/program to result in loss reduction. Finally, please provide additional comments or explanations in the space provided.

Tool / Program	Status			Dept./Agency Responsible	Effect on Loss Reduction: + Support O Neutral - Hinder	Change Since Last Plan: + Positive - Negative	Comments
	In Place	Date Adopted or Updated	Under Development				
<i>EXAMPLE: Hazard Mitigation Plan</i>	X	1/1/2006		Hazard County EMA	+	+	Interim update in 2008 revised mitigation strategy; completed one action.
Hazard Mitigation Plan							
Emergency Operations Plan							
Disaster Recovery Plan							
Evacuation Plan							
Continuity of Operations Plan							
NFIP							
NFIP – Community Rating System							
Floodplain Regulations (spec. NFIP Flood Damage Prevention Ordinance)							
Floodplain Management Plan							



Tool / Program	Status			Dept./Agency Responsible	Effect on Loss Reduction: + Support O Neutral - Hinder	Change Since Last Plan: + Positive - Negative	Comments
	In Place	Date Adopted or Updated	Under Development				
Zoning Regulations							
Subdivision Regulations							
Comprehensive Land Use Plan (or General, Master or Growth Mgt. Plan)							
Open Space Management Plan (or Parks/Rec or Greenways Plan)							
Stormwater Management Plan / Ordinance							
Natural Resource Protection Plan							
Capital Improvement Plan							
Economic Development Plan							
Historic Preservation Plan							
Farmland Preservation							
Building Code							
Fire Code							
Firewise							
Storm Ready							
Other							

2. Administrative and Technical Capability: Please indicate whether your jurisdiction maintains the following staff members within its current personnel resources by placing an “X” in the appropriate box. Then, if YES, please identify the department or agency they work under and provide any other comments you may have in the space provided or with attachments.

Staff/Personnel Resources	Yes	No	Department/Agency	Comments
Planners (with land use / land development knowledge)				
Planners or engineers (with natural and/or human caused hazards knowledge)				
Engineers or professionals trained in building and/or infrastructure construction practices (includes building inspectors)				
Emergency Manager				
NFIP Floodplain Administrator				
Land Surveyors				
Scientists or staff familiar with the hazards of the community				
Personnel skilled in Geographic Information Systems (GIS) and/or FEMA’s HAZUS program				
Grant writers or fiscal staff to handle large/complex grants				
Staff with expertise or training in Benefit-Cost Analysis				
Other				

3. Fiscal Capability: Please indicate whether your jurisdiction has access to or is eligible to use the following local financial resources *for hazard mitigation purposes* (including as match funds for State or Federal mitigation grant funds). Then, identify the primary department or agency responsible for its administration or allocation and provide any other comments you may have in the space provided or with attachments.

Financial Resources	Yes	No	Department/Agency	Comments
Capital Improvement Programming				
Community Development Block Grants (CDBG)				
Special Purpose Taxes				
Gas / Electric Utility Fees				
Water / Sewer Fees				
Stormwater Utility Fees				
Development Impact Fees				
General Obligation, Revenue, and/or Special Tax Bonds				
Partnering Arrangements or Intergovernmental Agreements				
Other				

- 4. Community Political Capability:** Political capability in this instance is being measured by the degree to which local political leadership (including appointed boards) is willing to enact policies and programs that reduce hazard vulnerabilities in your community, even if met with some opposition. Examples may include guiding development away from identified hazard areas, restricting public investments or capital improvements within hazard areas, or enforcing local development standards that go beyond minimum State or Federal requirements (e.g., building codes, floodplain management, etc.). Rate the jurisdiction’s political capability to enact policies and programs that reduce hazard vulnerabilities on a scale from 0 to 5. Generally, a higher the score corresponds to a higher degree of community political capability.



5-Very Willing

3-Moderately Willing

0-Unwilling to Adopt Policies/Programs

Score: _____

5. Self-Assessment of Capability: Please provide an approximate measure of your jurisdiction's capability to effectively implement hazard mitigation strategies to reduce hazard vulnerabilities. Using the following table, please place an "X" in the box marking the most appropriate degree of capability (Limited, Moderate or High) based upon best available information and the responses provided in Sections 1-5 of this survey. For multi-jurisdictional plans, record the results of this section into the Self-Assessment Capability Matrix in **Appendix 4**.

Area	Degree of Capability		
	Limited	Moderate	High
Planning and Regulatory Capability			
Administrative and Technical Capability			
Fiscal Capability			
Community Political Capability			
Community Resiliency Capability			

Mitigation Strategy 5-Year Mitigation Plan Review

Purpose: To fulfill requirement that plan maintenance from previous plan has been completed and to obtain early feedback from the local mitigation planning committee on the plan update to incorporate into the update process.

Instructions: Complete the *Goal and Objective Review Worksheet* and *Mitigation Action Plan Review Worksheet* on the next two pages keeping the following questions in mind:

- Do the goals, objectives, and actions address current and expected conditions?
- Go through each goal and objective to determine: Should goal be carried forward into updated plan? Should goal be changed based on current conditions in community? Should goal be discontinued and if so why?
- Progress on actions should be noted. For each action the following questions should be answered: What is status? What progress has been made? Should action be continued in updated plan? Should action be discontinued and if so why?
- Has the nature or magnitude of hazard risk changed?
- Are current resources adequate to implement the Plan?
- Should additional local resources be committed to address identified hazard threats?
- Are there any issues that have limited the current implementation schedule?
- Have the implementation of identified mitigation actions resulted in expected outcomes?
- Has the Mitigation Planning Committee measured the effectiveness of completed hazard mitigation projects in terms of specific dollar losses avoided?
- Did the jurisdictions, agencies and other partners participate in the plan implementation process as proposed?
- Other?

Before completing the worksheets, the group may wish to discuss the above questions in a round robin format, using a flip chart. The questions are standard questions; however it is important to check the existing hazard mitigation plan maintenance section to see if there are additional questions that need to be considered.

Goal and Objective Review Worksheet

Instructions: Write each goal and objective identified in the existing hazard mitigation plan. Use the comment boxes to provide feedback or to suggest modification of any of the proposed goals or objectives. You may suggest additional objectives below each goal, or new goals and objectives on the last page of this exercise.

Existing Goals and Objectives		Comments
Goal 1	Prevent hazards from impacting the community.	
Objective 1.A	Work with the municipalities to create and/or update land use regulations (e.g., zoning, subdivision, and land development).	
Objective 1.B	Complete and/or update stormwater management plans for all the watersheds in the County.	
Objective 1.C	Address areas of roadways that are vulnerable to hazard impacts.	
Goal 2	Protect the people, property, and environment in hazard areas.	
Objective 2.A	Examine property protection measures and their applicability to the community.	
Objective 2.B	Identify hazard areas in which property protection measures would be most effective.	



Existing Goals and Objectives		Comments
Goal 3	Maintain and enhance emergency services capabilities in the community.	
Objective 3.A	Ensure adequate communications capabilities among emergency response organizations.	
Objective 3.B	Continue to train municipal Emergency Management Coordinators on hazard protection and response.	
Objective 3.C	Ensure adequate water supply to fight urban and wildland fires.	
Goal 4	Protect natural resources within the hazard areas.	
Objective 4.A	Continue working with the Conservation District to ensure that the County’s natural resources are protected.	
Objective 4.B	Maintain environmental education programs that the conservation and extension offices conduct, and perhaps create new ones.	
Goal 5	Ensure that stakeholder groups have necessary information to mitigate against hazard impacts.	
Objective 5.A	Continue StormReady program participation.	
Objective 5.B	Update and maintain the County Web site with current information from all departments.	
Objective 5.C	Maintain the linkage between the County GIS and tax assessment records to obtain information on condition, number of stories, and age of construction.	

Suggested Additional Goals and/or Objectives		Comments
Goal		
Objective		
Objective		
Objective		

Goal		
Objective		
Objective		
Objective		

Goal		
Objective		
Objective		
Objective		

Mitigation Action Plan Review Worksheet

Instructions: List each mitigation action from the existing hazard mitigation plan and identify its status as “No Progress / Unknown,” “In Progress / Not Yet Complete,” “Continuous,” “Completed,” or “Discontinued.” Include review comments for each action.

Existing Mitigation Action	Status					Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	Discontinued	
1.A.1: Conduct workshops and training for municipal officials on the benefits of land use regulations to protect new and existing structures and infrastructure.						
1.B.1: Create and maintain stormwater management plans for the County’s watersheds.						
1.C.1: Redesign the Timber Ridge Road, Great Cove Road (US-522) intersection to provide adequate sight distance for motorists turning from Timber Ridge Road.						
1.C.2: Lower and slope the road bank at the intersection of Sipes Mill Road (SR 4001) and Palmer Road (T-383) to increase visibility when entering Sipes Mill Road.						
1.C.3: Replace three tiles on Johnstons Drive with one squash tile.						
1.C.4: Construct a bridge on Creek Road (T-388) in Licking Creek Township over the creek fording.						
1.C.5: Replace the road tile on Back Hollow Road in Harrisonville.						
1.C.6: Increase visibility at the intersection of Great Cove Road (US-522) and Alpine Road.						
1.C.7: Increase visibility at the intersection of Great Cove Road (US-522) and Bethel Church Road.						



Existing Mitigation Action	Status					Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	Discontinued	
1.C.8: Increase visibility at the intersection of State Route 643 and Spring Road.						
1.C.9: Increase visibility at the intersection of Stoney Break Road and Black Oak Road.						
1.C.10: Increase visibility at the intersection of Buck Valley Road and Mays Chapel Road.						
2.A.1: Obtain information on existing and proposed new structures in the areas with the highest relative vulnerability to determine the best property protection methods. The following information should be obtained: <ul style="list-style-type: none"> • Lowest-floor elevation • Number of stories • Presence of a basement • Market and/or replacement value 						
2.A.2: Obtain information for all existing and proposed new structures in the 1% chance floodplain to determine the best property protection methods to promote with individual property owners.						
2.A.3: Examine the effects of requiring anchor straps and improved roofing shingles on new and existing manufactured homes and residences of the County.						
2.B.1: Establish a Firewise Program in the County, especially around the Meadow Grounds Lake, Cowans Gap State Park, and Breezewood Park.						
3.A.1: Identify and apply for funding to enhance the County's radio system.						
3.A.2: Identify and apply for funding to upgrade the County's emergency responders' radio equipment.						



Existing Mitigation Action	Status					Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	Discontinued	
3.A.3: Identify and implement backup communications systems for emergency response organizations.						
3.B.1: Include hazard mitigation periodically as a topic in the Quarterly Emergency Management Coordinator Training session(s).						
3.C.1: Install dry hydrant locations along PA-655 to assist the Needmore Fire Company.						
4.A.1: Protect natural wetlands that may absorb floodwaters.						
4.A.2: Implement programs deemed necessary by the Conservation District.						
4.B.1: Coordinate with the conservation and extension offices to provide education and training to emergency responders, managers, and municipal officials.						
5.A.1: Recruit SkyWarn Spotters in the County.						
5.A.2: Encourage major employers and other facilities to participate in the subordinate StormReady programs.						
5.B.1: Seek relevant input from all departments during the pre-impact, impact, and post-impact phases of an emergency.						
5.C.1: Identify and fill gaps in information needed to conduct vulnerability analysis in hazard areas.						
5.C.2: Evaluate GIS and other software packages to find the ideal system for the County's use.						

Evaluation of Identified Hazards and Risk

Name: Marlin E Harr
 Jurisdiction: Ayr Township

Title: Supervisor

PART I

Identified Hazards 2010 HMP	How has the frequency of occurrence, magnitude of impact, and/or geographic extent changed in your community? <i>NC = No Change; I = Increase; D = Decrease</i> <i>(Please provide an explanation for any hazards marked I or D in the "Additional Comments" column)</i>	Additional Comments
Drought	NC	
Earthquakes		
Environmental Hazards	NC	
Floods, Flash Floods, and Ice Jams	NC	
Hailstorms		
Severe Wind Storms		
Severe Winter Storms		
Subsidence and Sinkholes		
Transportation Hazards	NC	
Wildfires		



PART II

Other Hazards:

Do any of these hazards, not previously profiled in the County's hazard mitigation plan; have the potential to affect your municipality significantly? (If so, please check the box)

Natural

- | | |
|--|--|
| <input type="checkbox"/> Avalanche/Glacier | <input type="checkbox"/> Landslides |
| <input type="checkbox"/> Coastal Erosion | <input type="checkbox"/> Lighting Strike |
| <input type="checkbox"/> Dust, Sand Storm | <input type="checkbox"/> Pandemic and Infectious Disease |
| <input type="checkbox"/> Expansive Soils | <input type="checkbox"/> Radon Exposure |
| <input type="checkbox"/> Extreme Temperature | <input type="checkbox"/> Tsunami |
| <input type="checkbox"/> Hurricane, Tropical Storm, Nor'easter | <input type="checkbox"/> Volcano |
| <input type="checkbox"/> Invasive Species | |

Human-Caused

- | | |
|---|--|
| <input type="checkbox"/> Building or Structure Collapse | <input type="checkbox"/> Fixed Nuclear Facility |
| <input type="checkbox"/> Civil Disturbance | <input type="checkbox"/> Levee Failure |
| <input type="checkbox"/> Dam Failures | <input type="checkbox"/> Nuclear Attack |
| <input type="checkbox"/> Disorientation | <input type="checkbox"/> Terrorism |
| <input type="checkbox"/> Drowning | <input type="checkbox"/> Urban Explosion |
| <input type="checkbox"/> Energy Emergencies | <input type="checkbox"/> Utility Interruption |
| <input type="checkbox"/> Fire | <input type="checkbox"/> War and Criminal Activity |

Other Comments:

[Empty rectangular box for comments]

Capability Assessment Survey

Jurisdiction: Aur Township

Point of Contact Name and Title: Marlin E. Herr, Chairman

Phone: 717-485-3858

Email: dra@pa.net

1. **Planning and Regulatory Capability:** Please indicate whether the following planning or regulatory tools and programs are currently in place or under development for your jurisdiction by placing an "X" in the appropriate box, followed by the date of adoption/update. Then, for each particular item in place, identify the department or agency responsible for its implementation and indicate it's estimated or anticipated effect on hazard loss reduction (Supports, Neutral or Hinders) with the appropriate symbol and also indicate if there has been a change in the ability of the tool/program to result in loss reduction. Finally, please provide additional comments or explanations in the space provided.

Tool / Program	Status		Dept./Agency Responsible	Effect on Loss Reduction: + Support O Neutral - Hinder	Change Since Last Plan: + Positive - Negative	Comments
	In Place	Date Adopted or Updated				
<i>EMMPH: Hazard Mitigation Plan</i>	X	1/1/2008	Fulton County EMA			Interim update in 2008 lowest mitigation strategies completed one action
Hazard Mitigation Plan	X	8-2010				
Emergency Operations Plan	X	3-2012				
Disaster Recovery Plan						
Evacuation Plan						
Continuity of Operations Plan						
NFIP	X	2-18-11				
NFIP – Community Rating System						
Floodplain Regulations (spec. NFIP Flood Damage Prevention Ordinance)						
Floodplain Management Plan						



Capability Assessment Survey

Tool / Program	In Place	Status		Under Development	Dept./Agency Responsible	Effect on Loss Reduction: + Support O Neutral - Hinder	Change Since Last Plan: + Positive - Negative	Comments
		Date Adopted or Updated						
Zoning Regulations								
Subdivision Regulations	X	9-30-96						
Comprehensive Land Use Plan (or General, Master or Growth Mgt. Plan)								
Open Space Management Plan (or Parks/Rec or Greenways Plan)								
Stormwater Management Plan / Ordinance	X	12-2010						
Natural Resource Protection Plan								
Capital Improvement Plan								
Economic Development Plan								
Historic Preservation Plan								
Farmland Preservation								
Building Code	X	3-29-04						
Fire Code								
Firewise								
Storm Ready	X	7-13-13						
Other <i>Agricultural Security Areas</i>	X	4-18-12						



Capability Assessment Survey

2. **Administrative and Technical Capability:** Please indicate whether your jurisdiction maintains the following staff members within its current personnel resources by placing an "X" in the appropriate box. Then, if YES, please identify the department or agency they work under and provide any other comments you may have in the space provided or with attachments.

Staff/Personnel Resources	Yes	No	Department/Agency	Comments
Planners (with land use / land development knowledge)		X		
Planners or engineers (with natural and/or human caused hazards knowledge)		X		
Engineers or professionals trained in building and/or infrastructure construction practices (includes building inspectors)	X			
Emergency Manager		X		
NHPP Floodplain Administrator		X		
Land Surveyors		X		
Scientists or staff familiar with the hazards of the community		X		
Personnel skilled in Geographic Information Systems (GIS) and/or FEMA's HAZUS program		X		
Grant writers or fiscal staff to handle large/complex grants		X		
Staff with expertise or training in Benefit-Cost Analysis		X		
Other				



Capability Assessment Survey

3. **Fiscal Capability:** Please indicate whether your jurisdiction has access to or is eligible to use the following local financial resources for *hazard mitigation purposes* (including as match funds for State of Federal mitigation grant funds). Then, identify the primary department or agency responsible for its administration or allocation and provide any other comments you may have in the space provided or with attachments.

Financial Resources	Yes	No	Department/Agency	Comments
Capital Improvement Programming		X		
Community Development Block Grants (CDBG)		X		
Special Purpose Taxes		X		
Gas / Electric Utility Fees		X		
Water / Sewer Fees		X		
Stormwater Utility Fees		X		
Development Impact Fees		X		
General Obligation, Revenue, and/or Special Tax Bonds		X		
Partnering Arrangements or Intergovernmental Agreements		X		
Other				



4. **Community Political Capability:** Political capability in this instance is being measured by the degree to which local political leadership (including appointed boards) is willing to enact policies and programs that reduce hazard vulnerabilities in your community, even if met with some opposition. Examples may include guiding development away from identified hazard areas, restricting public investments or capital improvements within hazard areas, or enforcing local development standards that go beyond minimum State or Federal requirements (e.g., building codes, floodplain management, etc.). Rate the jurisdiction's political capability to enact policies and programs that reduce hazard vulnerabilities on a scale from 0 to 5. Generally, a higher the score corresponds to a higher degree of community political capability.

5-Very Willing 3-Moderately Willing 0-Unwilling to Adopt Policies/Programs Score: 5



5. **Self-Assessment of Capability:** Please provide an approximate measure of your jurisdiction's capability to effectively implement hazard mitigation strategies to reduce hazard vulnerabilities. Using the following table, please place an "X" in the box marking the most appropriate degree of capability (Limited, Moderate or High) based upon best available information and the responses provided in Sections 1-5 of this survey. For multi-jurisdictional plans, record the results of this section into the Self-Assessment Capability Matrix in Appendix 4.

Area	Degree of Capability		
	Limited	Moderate	High
Planning and Regulatory Capability		X	
Administrative and Technical Capability		X	
Fiscal Capability		X	
Community Political Capability		X	
Community Resiliency Capability		X	



Mitigation Strategy 5-Year Mitigation Plan Review

Purpose: To fulfill requirement that plan maintenance from previous plan has been completed and to obtain early feedback from the local mitigation planning committee on the plan update to incorporate into the update process.

Instructions: Complete the *Goal and Objective Review Worksheet* and *Mitigation Action Plan Review Worksheet* on the next two pages keeping the following questions in mind:

- Do the goals, objectives, and actions address current and expected conditions?
- Go through each goal and objective to determine: Should goal be carried forward into updated plan? Should goal be changed based on current conditions in community? Should goal be discontinued and if so why?
- Progress on actions should be noted. For each action the following questions should be answered: What is status? What progress has been made? Should action be continued in updated plan? Should action be discontinued and if so why?
- Has the nature or magnitude of hazard risk changed?
- Are current resources adequate to implement the Plan?
- Should additional local resources be committed to address identified hazard threats?
- Are there any issues that have limited the current implementation schedule?
- Have the implementation of identified mitigation actions resulted in expected outcomes?
- Has the Mitigation Planning Committee measured the effectiveness of completed hazard mitigation projects in terms of specific dollar losses avoided?
- Did the jurisdictions, agencies and other partners participate in the plan implementation process as proposed?
- Other?

Before completing the worksheets, the group may wish to discuss the above questions in a round robin format, using a flip chart. The questions are standard questions; however it is important to check the existing hazard mitigation plan maintenance section to see if there are additional questions that need to be considered.



Goal and Objective Review Worksheet

Instructions: Write each goal and objective identified in the existing hazard mitigation plan. Use the comment boxes to provide feedback or to suggest modification of any of the proposed goals or objectives. You may suggest additional objectives below each goal, or new goals and objectives on the last page of this exercise.

Existing Goals and Objectives		Comments
Goal 1	Prevent hazards from impacting the community.	
Objective 1.A	Work with the municipalities to create and/or update land use regulations (e.g., zoning, subdivision, and land development).	
Objective 1.B	Complete and/or update stormwater management plans for all the watersheds in the County.	
Objective 1.C	Address areas of roadways that are vulnerable to hazard impacts.	
Goal 2	Protect the people, property, and environment in hazard areas.	
Objective 2.A	Examine property protection measures and their applicability to the community.	
Objective 2.B	Identify hazard areas in which property protection measures would be most effective.	



Existing Goals and Objectives		Comments
Goal 3	Maintain and enhance emergency services capabilities in the community.	
Objective 3.A	Ensure adequate communications capabilities among emergency response organizations.	
Objective 3.B	Continue to train municipal Emergency Management Coordinators on hazard protection and response.	
Objective 3.C	Ensure adequate water supply to fight urban and wildland fires.	
Goal 4	Protect natural resources within the hazard areas.	
Objective 4.A	Continue working with the Conservation District to ensure that the County's natural resources are protected.	
Objective 4.B	Maintain environmental education programs that the conservation and extension offices conduct, and perhaps create new ones.	
Goal 5	Ensure that stakeholder groups have necessary information to mitigate against hazard impacts.	
Objective 5.A	Continue StormReady program participation.	
Objective 5.B	Update and maintain the County Web site with current information from all departments.	
Objective 5.C	Maintain the linkage between the County GIS and tax assessment records to obtain information on condition, number of stories, and age of construction.	



Suggested Additional Goals and/or Objectives		Comments
Goal		
Objective	update existing subdivision and land development Ordinance	Possibly a multi-municipal effort.
Objective		
Objective		
Goal		
Objective		
Objective		
Objective		
Goal		
Objective		
Objective		
Objective		



Mitigation Action Plan Review Worksheet

Instructions: List each mitigation action from the existing hazard mitigation plan and identify its status as “No Progress / Unknown,” “In Progress / Not Yet Complete,” “Continuous,” “Completed,” or “Discontinued.” Include review comments for each action.

Existing Mitigation Action	Status				Review Comments
	No Progress / Unknown	In Progress / Not Yet Complete	Continuous	Completed / Discontinued	
1.A.1: Conduct workshops and training for municipal officials on the benefits of land use regulations to protect new and existing structures and infrastructure.					
1.B.1: Create and maintain stormwater management plans for the County's watersheds.					
1.C.1: Redesign the Timber Ridge Road, Great Cove Road (US-522) intersection to provide adequate sight distance for motorists turning from Timber Ridge Road.					
1.C.2: Lower and slope the road bank at the intersection of Sipes Mill Road (SR 4001) and Palmer Road (T-383) to increase visibility when entering Sipes Mill Road.					
1.C.3: Replace three tiles on Johnstons Drive with one squash tile.					
1.C.4: Construct a bridge on Creek Road (T-388) in Licking Creek Township over the creek fording.					
1.C.5: Replace the road tile on Back Hollow Road in Harrisonville.					
1.C.6: Increase visibility at the intersection of Great Cove Road (US-522) and Alpine Road.					
1.C.7: Increase visibility at the intersection of Great Cove Road (US-522) and Bethel Church Road.					



Existing Mitigation Action	Status				Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed / Discontinued	
1.C.8: Increase visibility at the intersection of State Route 643 and Spring Road.					
1.C.9: Increase visibility at the intersection of Stoney Break Road and Black Oak Road.					
1.C.10: Increase visibility at the intersection of Buck Valley Road and Mays Chapel Road.					
2.A.1: Obtain information on existing and proposed new structures in the areas with the highest relative vulnerability to determine the best property protection methods. The following information should be obtained: <ul style="list-style-type: none"> • Lowest-floor elevation • Number of stories • Presence of a basement • Market and/or replacement value 					
2.A.2: Obtain information for all existing and proposed new structures in the 1% chance floodplain to determine the best property protection methods to promote with individual property owners.					
2.A.3: Examine the effects of requiring anchor straps and improved roofing shingles on new and existing manufactured homes and residences of the County.					
2.B.1: Establish a Firewise Program in the County, especially around the Meadow Grounds Lake, Cowans Gap State Park, and Breezewood Park.			✓		
3.A.1: Identify and apply for funding to enhance the County's radio system.					
3.A.2: Identify and apply for funding to upgrade the County's emergency responders' radio equipment.					



Existing Mitigation Action	Status			Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous Completed Discontinued	
3.A.3: Identify and implement backup communications systems for emergency response organizations.				
3.B.1: Include hazard mitigation periodically as a topic in the Quarterly Emergency Management Coordinator Training session(s).				
3.C.1: Install dry hydrant locations along PA-655 to assist the Needmore Fire Company.				
4.A.1: Protect natural wetlands that may absorb floodwaters.				
4.A.2: Implement programs deemed necessary by the Conservation District.				
4.B.1: Coordinate with the conservation and extension offices to provide education and training to emergency responders, managers, and municipal officials.				
5.A.1: Recruit SkyWarn Spotters in the County.				
5.A.2: Encourage major employers and other facilities to participate in the subordinate StormReady programs.				
5.B.1: Seek relevant input from all departments during the pre-impact, impact, and post-impact phases of an emergency.				
5.C.1: Identify and fill gaps in information needed to conduct vulnerability analysis in hazard areas.				
5.C.2: Evaluate GIS and other software packages to find the ideal system for the County's use.				



Mitigation Action Worksheet

Municipality(ies):	Action
Ayr	Stormwater run off along Rt 16 from True Value to Citgo Station
Action Number:	
Location (address, lat/long)	SR 16
Mitigation Technique Category	
Hazard(s) Addressed	Stormwater run off
Priority (High, Medium, Low)	Medium
Estimated Cost	
Potential Funding Streams	
Timeline	
Lead Agency/Department	PA DOT
Support Agency(ies)/ Department(s)	
Project Point of Contact	
Name	Denise Grissinger
Title	Secretary
Agency/Department	Ayr Township
Phone	485-4907
E-mail	dngepa.net

Evaluation of Identified Hazards and Risk

Name: PAULA SHIVES Title: SEC.

Jurisdiction: BELFAST TOWNSHIP

PART I

Identified Hazards 2010 HMP	How has the frequency of occurrence, magnitude of impact, and/or geographic extent changed in your community?	
	NC = No Change; I = Increase; D = Decrease	Additional Comments
<i>(Please provide an explanation for any hazards marked I or D in the "Additional Comments" column)</i>		
Drought	NC	
Earthquakes	NC	
Environmental Hazards	NC	
Floods, Flash Floods, and Ice Jams	NC	
Hailstorms	NC	
Severe Wind Storms	NC	
Severe Winter Storms	NC	
Subsidence and Sinkholes	NC	
Transportation Hazards	NC	
Wildfires	NC	

PART II

Other Hazards:

Do any of these hazards, not previously profiled in the County's hazard mitigation plan; have the potential to affect your municipality significantly? (If so, please check the box)

Natural

- | | |
|---|---|
| <input type="checkbox"/> Avalanche/Glacier | <input type="checkbox"/> Landslides |
| <input type="checkbox"/> Coastal Erosion | <input checked="" type="checkbox"/> Lighting Strike |
| <input type="checkbox"/> Dust, Sand Storm | <input checked="" type="checkbox"/> Pandemic and Infectious Disease |
| <input type="checkbox"/> Expansive Soils | <input checked="" type="checkbox"/> Radon Exposure |
| <input type="checkbox"/> Extreme Temperature | <input type="checkbox"/> Tsunami |
| <input checked="" type="checkbox"/> Hurricane, Tropical Storm, Nor'easter | <input type="checkbox"/> Volcano |
| <input type="checkbox"/> Invasive Species | |

Human-Caused

- | | |
|--|--|
| <input checked="" type="checkbox"/> Building or Structure Collapse | <input type="checkbox"/> Fixed Nuclear Facility |
| <input checked="" type="checkbox"/> Civil Disturbance | <input type="checkbox"/> Levee Failure |
| <input type="checkbox"/> Dam Failures | <input type="checkbox"/> Nuclear Attack |
| <input type="checkbox"/> Disorientation | <input checked="" type="checkbox"/> Terrorism |
| <input checked="" type="checkbox"/> Drowning | <input type="checkbox"/> Urban Explosion |
| <input checked="" type="checkbox"/> Energy Emergencies | <input checked="" type="checkbox"/> Utility Interruption |
| <input checked="" type="checkbox"/> Fire | <input type="checkbox"/> War and Criminal Activity |

Other Comments:

[Empty rectangular box for comments]

Capability Assessment Survey

Jurisdiction: BELFAST TOWNSHIP

Point of Contact Name and Title: PAULA SILVER, SEC

Phone: 717-573-4237

Email: belfastwp@frontier.com

1. **Planning and Regulatory Capability:** Please indicate whether the following planning or regulatory tools and programs are currently in place or under development for your jurisdiction by placing an "X" in the appropriate box, followed by the date of adoption/update. Then, for each particular item in place, identify the department or agency responsible for its implementation and indicate it's estimated or anticipated effect on hazard loss reduction (Supports, Neutral or Hinders) with the appropriate symbol and also indicate if there has been a change in the ability of the tool/program to result in loss reduction. Finally, please provide additional comments or explanations in the space provided.

Tool / Program	In Place	Date Adopted or Updated	Under Development	Dept./Agency Responsible	Effect on Loss Reduction:			Change Since Last Plan:	Comments
					+ Support	0 Neutral	- Hinders		
EXAMPLE: Hazard Mitigation Plan	X	1/1/2006		Hazard County EMA	+		+	Interim update in 2008 revised mitigation strategy; completed one action.	
Hazard Mitigation Plan	X	8/2010							
Emergency Operations Plan	X	2012							
Disaster Recovery Plan									
Evacuation Plan									
Continuity of Operations Plan									
NFIP	X	2-18-11							
NFIP - Community Rating System									
Floodplain Regulations (Spec. NFIP Flood Damage Prevention Ordinance)									
Floodplain Management Plan									



Tool / Program	In Place	Status Date Adopted or Updated	Under Development	Dept./Agency Responsible	Effect on Loss Reduction:		Change Since Last Plan:		Comments
					+ Support 0 Neutral - Hinder	+ Positive - Negative			
Zoning Regulations									
Subdivision Regulations	X	1990		Fulton Co Planning					
Comprehensive Land Use Plan (or General, Master or Growth Mgt. Plan)	X	1/2007		Fulton Co Planning					
Open Space Management Plan (or Parks/Rec or Greenways Plan)	X	5/2007		Fulton Co Planning					
Stormwater Management Plan / Ordinance	X	2/2011		Fulton Co Planning					
Natural Resource Protection Plan									
Capital Improvement Plan									
Economic Development Plan									
Historic Preservation Plan									
Farmland Preservation									
Building Code	X	2004							
Fire Code									
Firewise									
Storm Ready	X	7-13-13							
Other									



2. **Administrative and Technical Capability:** Please indicate whether your jurisdiction maintains the following staff members within its current personnel resources by placing an "X" in the appropriate box. Then, if YES, please identify the department or agency they work under and provide any other comments you may have in the space provided or with attachments.

Staff/Personnel Resources	Yes	No	Department/Agency	Comments
Planners (with land use / land development knowledge)				
Planners or engineers (with natural and/or human caused hazards knowledge)				
Engineers or professionals trained in building and/or infrastructure construction practices (includes building inspectors)	X		Guin Dobson & Foreman, Inc.	
Emergency Manager				
NFIP Floodplain Administrator				
Land Surveyors				
Scientists or staff familiar with the hazards of the community				
Personnel skilled in Geographic Information Systems (GIS) and/or FEMA's HAZUS program				
Grant writers or fiscal staff to handle large/complex grants				
Staff with expertise or training in Benefit-Cost Analysis				
Other				

3. **Fiscal Capability:** Please indicate whether your jurisdiction has access to or is eligible to use the following local financial resources *for hazard mitigation purposes* (including as match funds for State of Federal mitigation grant funds). Then, identify the primary department or agency responsible for its administration or allocation and provide any other comments you may have in the space provided or with attachments.

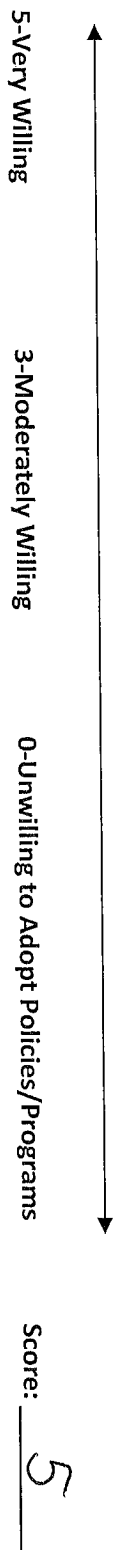
Financial Resources	Yes	No	Department/Agency	Comments
Capital Improvement Programming				
Community Development Block Grants (CDBG)	X			
Special Purpose Taxes				
Gas / Electric Utility Fees				
Water / Sewer Fees	X		NEEDMORE WATER CO	PRIVATE
Stormwater Utility Fees				
Development Impact Fees				
General Obligation, Revenue, and/or Special Tax Bonds				
Partnering Arrangements or Intergovernmental Agreements				
Other	X			

AG SECURITY AREA

NEEDMORE WATER CO
NEEDMORE WASTE WATER SYSTEM



4. **Community Political Capability:** Political capability in this instance is being measured by the degree to which local political leadership (including appointed boards) is willing to enact policies and programs that reduce hazard vulnerabilities in your community, even if met with some opposition. Examples may include guiding development away from identified hazard areas, restricting public investments or capital improvements within hazard areas, or enforcing local development standards that go beyond minimum State or Federal requirements (e.g., building codes, floodplain management, etc.). Rate the jurisdiction's political capability to enact policies and programs that reduce hazard vulnerabilities on a scale from 0 to 5. Generally, a higher the score corresponds to a higher degree of community political capability.



5. **Self-Assessment of Capability:** Please provide an approximate measure of your jurisdiction's capability to effectively implement hazard mitigation strategies to reduce hazard vulnerabilities. Using the following table, please place an "X" in the box marking the most appropriate degree of capability (Limited, Moderate or High) based upon best available information and the responses provided in Sections 1-5 of this survey. For multi-jurisdictional plans, record the results of this section into the Self-Assessment Capability Matrix in **Appendix 4.**

Area	Degree of Capability		
	Limited	Moderate	High
Planning and Regulatory Capability	X		
Administrative and Technical Capability	X		
Fiscal Capability	X		
Community Political Capability	X		
Community Resiliency Capability	X		

Mitigation Strategy 5-Year Mitigation Plan Review

Purpose: To fulfill requirement that plan maintenance from previous plan has been completed and to obtain early feedback from the local mitigation planning committee on the plan update to incorporate into the update process.

Instructions: Complete the *Goal and Objective Review Worksheet* and *Mitigation Action Plan Review Worksheet* on the next two pages keeping the following questions in mind:

- Do the goals, objectives, and actions address current and expected conditions?
- Go through each goal and objective to determine: Should goal be carried forward into updated plan? Should goal be changed based on current conditions in community? Should goal be discontinued and if so why?
- Progress on actions should be noted. For each action the following questions should be answered: What is status? What progress has been made? Should action be continued in updated plan? Should action be discontinued and if so why?
- Has the nature or magnitude of hazard risk changed?
- Are current resources adequate to implement the Plan?
- Should additional local resources be committed to address identified hazard threats?
- Are there any issues that have limited the current implementation schedule?
- Have the implementation of identified mitigation actions resulted in expected outcomes?
- Has the Mitigation Planning Committee measured the effectiveness of completed hazard mitigation projects in terms of specific dollar losses avoided?
- Did the jurisdictions, agencies and other partners participate in the plan implementation process as proposed?
- Other?

Before completing the worksheets, the group may wish to discuss the above questions in a round robin format, using a flip chart. The questions are standard questions; however it is important to check the existing hazard mitigation plan maintenance section to see if there are additional questions that need to be considered.



Goal and Objective Review Worksheet

Jurisdiction:

BELFAST TOWNSHIP

Point of Contact Name and Title:

PAULA STIVES

Phone:

717-573-4237

Email:

belfaststwp@frantier.com

Instructions: Write each goal and objective identified in the existing hazard mitigation plan. Use the comment boxes to provide feedback or to suggest modification of any of the proposed goals or objectives. You may suggest additional objectives below each goal, or new goals and objectives on the last page of this exercise.

Existing Goals and Objectives		Comments
Goal 1	Prevent hazards from impacting the community.	
Objective 1.A	Work with the municipalities to create and/or update land use regulations (e.g., zoning, subdivision, and land development).	
Objective 1.B	Complete and/or update stormwater management plans for all the watersheds in the County.	
Objective 1.C	Address areas of roadways that are vulnerable to hazard impacts.	
Goal 2	Protect the people, property, and environment in hazard areas.	
Objective 2.A	Examine property protection measures and their applicability to the community.	
Objective 2.B	Identify hazard areas in which property protection measures would be most effective.	



Existing Goals and Objectives		Comments
Goal 3	Maintain and enhance emergency services capabilities in the community.	
Objective 3.A	Ensure adequate communications capabilities among emergency response organizations.	
Objective 3.B	Continue to train municipal Emergency Management Coordinators on hazard protection and response.	
Objective 3.C	Ensure adequate water supply to fight urban and wildland fires.	
Goal 4	Protect natural resources within the hazard areas.	
Objective 4.A	Continue working with the Conservation District to ensure that the County's natural resources are protected.	
Objective 4.B	Maintain environmental education programs that the conservation and extension offices conduct, and perhaps create new ones.	
Goal 5	Ensure that stakeholder groups have necessary information to mitigate against hazard impacts	
Objective 5.A	Continue StormReady program participation.	
Objective 5.B	Update and maintain the County Web site with current information from all departments.	
Objective 5.C	Maintain the linkage between the County GIS and tax assessment records to obtain information on condition, number of stories, and age of construction.	



Suggested Additional Goals and/or Objectives		Comments
Goal		
Objective		
Objective		
Objective		
Goal		
Objective		
Objective		
Objective		
Goal		
Objective		
Objective		
Objective		



Mitigation Action Plan Review Worksheet

Instructions: List each mitigation action from the existing hazard mitigation plan and identify its status as "No Progress / Unknown," "In Progress / Not Yet Complete," "Continuous," "Completed," or "Discontinued." Include review comments for each action.

Existing Mitigation Action	Status				Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	
1.A.1: Conduct workshops and training for municipal officials on the benefits of land use regulations to protect new and existing structures and infrastructure.					
1.B.1: Create and maintain stormwater management plans for the County's watersheds.					
1.C.1: Redesign the Timber Ridge Road, Great Cove Road (US-522) intersection to provide adequate sight distance for motorists turning from Timber Ridge Road.				X	
1.C.2: Lower and slope the road bank at the intersection of Sipes Mill Road (SR-4004) (T-379) and Palmer Road (T-383) to increase visibility when entering Sipes Mill Road.				X	
1.C.3: Replace three tiles on Johnstons Drive with one squash tile.					
1.C.4: Construct a bridge on Creek Road (T-388) in Licking Creek Township over the creek fording.					
1.C.5: Replace the road tile on Back Hollow Road in Harrisonville.					
1.C.6: Increase visibility at the intersection of Great Cove Road (US-522) and Alpine Road.					
1.C.7: Increase visibility at the intersection of Great Cove Road (US-522) and Bethel Church Road.					



Mitigation Strategy 5-Year Mitigation Plan Review

Existing Mitigation Action	Status				Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	
1.C.8: Increase visibility at the intersection of State Route 643 and Spring Road.					
1.C.9: Increase visibility at the intersection of Stoney Break Road and Black Oak Road.					
1.C.10: Increase visibility at the intersection of Buck Valley Road and Mays Chapel Road.					
2.A.1: Obtain information on existing and proposed new structures in the areas with the highest relative vulnerability to determine the best property protection methods. The following information should be obtained: <ul style="list-style-type: none"> • Lowest-floor elevation • Number of stories • Presence of a basement • Market and/or replacement value 					
2.A.2: Obtain information for all existing and proposed new structures in the 1% chance floodplain to determine the best property protection methods to promote with individual property owners.					
2.A.3: Examine the effects of requiring anchor straps and improved roofing shingles on new and existing manufactured homes and residences of the County.					
2.B.1: Establish a Firewise Program in the County, especially around the Meadow Grounds Lake, Cowans Gap State Park, and Breezewood Park.					
3.A.1: Identify and apply for funding to enhance the County's radio system.					
3.A.2: Identify and apply for funding to upgrade the County's emergency responders' radio equipment.					



Existing Mitigation Action	Status					Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	Discontinued	
3.A.3: Identify and implement backup communications systems for emergency response organizations.						
3.B.1: Include hazard mitigation periodically as a topic in the Quarterly Emergency Management Coordinator Training session(s).						
3.C.1: Install dry hydrant locations along PA-655 to assist the Needmore Fire Company.						
4.A.1: Protect natural wetlands that may absorb floodwaters.						
4.A.2: Implement programs deemed necessary by the Conservation District.						
4.B.1: Coordinate with the conservation and extension offices to provide education and training to emergency responders, managers, and municipal officials.						
5.A.1: Recruit SkyWarn Spotters in the County.						
5.A.2: Encourage major employers and other facilities to participate in the subordinate StormReady programs.						
5.B.1: Seek relevant input from all departments during the pre-impact, impact, and post-impact phases of an emergency.						
5.C.1: Identify and fill gaps in information needed to conduct vulnerability analysis in hazard areas.						
5.C.2: Evaluate GIS and other software packages to find the ideal system for the County's use.						



Mitigation Action Worksheet

Municipality(ies):	Action
Belfast	Cut back bank @ 278 Black Bear
Action Number:	Road
Location (address, lat/long)	278 Black Bear Rd, Needmore PA
Mitigation Technique Category	
Hazard(s) Addressed	Improve sight distance
Priority (High, Medium, Low)	Medium
Estimated Cost	Low
Potential Funding Streams	
Timeline	
Lead Agency/Department	Penn Dept of Transportation
Support Agency(ies)/ Department(s)	
Project Point of Contact	
Name	Richard Harr
Title	Supervisor
Agency/Department	Belfast Township
Phone	717-573-4237
E-mail	belfasttwp@frontier.com

Evaluation of Identified Hazards and Risk

Name: RAY E. POWELL

Title: Chairman

Jurisdiction: BETHEL TWP

PART I

Identified Hazards 2010 HMP	How has the frequency of occurrence, magnitude of impact, and/or geographic extent changed in your community?	
	NC = No Change; I = Increase; D = Decrease	Additional Comments
<i>(Please provide an explanation for any hazards marked I or D in the "Additional Comments" column)</i>		
Drought	NC	
Earthquakes	NC	
Environmental Hazards	NC	
Floods, Flash Floods, and Ice Jams	NC	
Hailstorms	NC	
Severe Wind Storms	NC	
Severe Winter Storms	NC	
Subsidence and Sinkholes	NC	
Transportation Hazards	NC	
Wildfires	NC	

PART II

Other Hazards:

Do any of these hazards, not previously profiled in the County's hazard mitigation plan; have the potential to affect your municipality significantly? (If so, please check the box)

Natural

- | | |
|--|--|
| <input type="checkbox"/> Avalanche/Glacier | <input type="checkbox"/> Landslides |
| <input type="checkbox"/> Coastal Erosion | <input checked="" type="checkbox"/> Lighting Strike |
| <input type="checkbox"/> Dust, Sand Storm | <input type="checkbox"/> Pandemic and Infectious Disease |
| <input type="checkbox"/> Expansive Soils | <input type="checkbox"/> Radon Exposure |
| <input type="checkbox"/> Extreme Temperature | <input type="checkbox"/> Tsunami |
| <input type="checkbox"/> Hurricane, Tropical Storm, Nor'easter | <input type="checkbox"/> Volcano |
| <input type="checkbox"/> Invasive Species | |

Human-Caused

- | | |
|---|--|
| <input type="checkbox"/> Building or Structure Collapse | <input type="checkbox"/> Fixed Nuclear Facility |
| <input type="checkbox"/> Civil Disturbance | <input type="checkbox"/> Levee Failure |
| <input type="checkbox"/> Dam Failures | <input type="checkbox"/> Nuclear Attack |
| <input type="checkbox"/> Disorientation | <input type="checkbox"/> Terrorism |
| <input type="checkbox"/> Drowning | <input type="checkbox"/> Urban Explosion |
| <input type="checkbox"/> Energy Emergencies | <input type="checkbox"/> Utility Interruption |
| <input checked="" type="checkbox"/> Fire | <input type="checkbox"/> War and Criminal Activity |

Other Comments:

[Empty rectangular box for comments]

Capability Assessment Survey

Jurisdiction: Bethel TWP

Point of Contact Name and Title: Ray E. Powell

Phone: 717-294-6583

Email: BethelTWP@Frontier.net

1. **Planning and Regulatory Capability:** Please indicate whether the following planning or regulatory tools and programs are currently in place or under development for your jurisdiction by placing an "X" in the appropriate box, followed by the date of adoption/update. Then, for each particular item in place, identify the department or agency responsible for its implementation and indicate it's estimated or anticipated effect on hazard loss reduction (Supports, Neutral or Hinders) with the appropriate symbol and also indicate if there has been a change in the ability of the tool/program to result in loss reduction. Finally, please provide additional comments or explanations in the space provided.

Tool / Program	In Place	Date Adopted or Updated	Under Development	Dept./Agency Responsible	Effect on Loss Reduction:			Change Since Last Plan:	Comments
					+ Support	0 Neutral	- Hinder		
EXAMPLE: Hazard Mitigation Plan	X	1/1/2006		Hazard County EMA	+				Interim update in 2008 revised mitigation strategy; completed one action.
Hazard Mitigation Plan	X	8/2010							
Emergency Operations Plan	X	2012							
Disaster Recovery Plan									
Evacuation Plan									
Continuity of Operations Plan									
NFIP	X	2-18-11							
NFIP – Community Rating System									
Floodplain Regulations (Spec. NFIP Flood Damage Prevention Ordinance)									
Floodplain Management Plan									



Tool / Program	In Place	Status Date Adopted or Updated	Under Development	Dept./Agency Responsible	Effect on Loss Reduction:		Change Since Last Plan:		Comments
					+ Support O Neutral - Hinder	+ Positive - Negative			
Zoning Regulations									
Subdivision Regulations	X	1982							
Comprehensive Land Use Plan (or General, Master or Growth Mgt. Plan)	X	1-2007							
Open Space Management Plan (or Parks/Rec or Greenways Plan)	X	5-2007							
Stormwater Management Plan / Ordinance	X	2011							
Natural Resource Protection Plan									
Capital Improvement Plan									
Economic Development Plan									
Historic Preservation Plan									
Farmland Preservation									
Building Code									
Fire Code									
Firewise									
Storm Ready		7-13-13							
Other									



2. **Administrative and Technical Capability:** Please indicate whether your jurisdiction maintains the following staff members within its current personnel resources by placing an "X" in the appropriate box. Then, if YES, please identify the department or agency they work under and provide any other comments you may have in the space provided or with attachments.

Staff/Personnel Resources	Yes	No	Department/Agency	Comments
Planners (with land use / land development knowledge)				
Planners or engineers (with natural and/or human caused hazards knowledge)				
Engineers or professionals trained in building and/or infrastructure construction practices (includes building inspectors)	X		Keller Engineers cc's	
Emergency Manager	X		Way Kirk	
NFIP Floodplain Administrator				
Land Surveyors	X		DK Golden	
Scientists or staff familiar with the hazards of the community				
Personnel skilled in Geographic Information Systems (GIS) and/or FEMA's HAZUS program				
Grant writers or fiscal staff to handle large/complex grants				
Staff with expertise or training in Benefit-Cost Analysis				
Other				

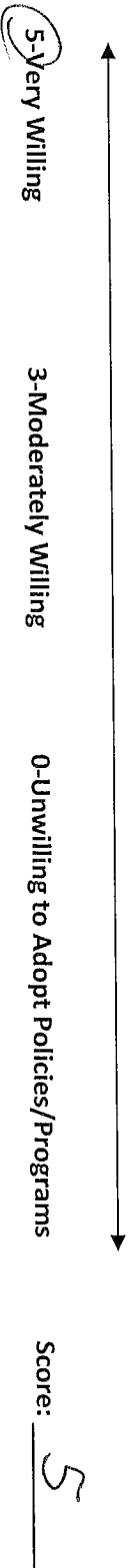


3. **Fiscal Capability:** Please indicate whether your jurisdiction has access to or is eligible to use the following local financial resources *for hazard mitigation purposes* (including as match funds for State of Federal mitigation grant funds). Then, identify the primary department or agency responsible for its administration or allocation and provide any other comments you may have in the space provided or with attachments.

Financial Resources	Yes	No	Department/Agency	Comments
Capital Improvement Programming		✓		
Community Development Block Grants (CDBG)	✓		Fulton County Comm CDBG	used for sewer
Special Purpose Taxes				
Gas / Electric Utility Fees				
Water / Sewer Fees	✓		Sewer Authority	
Stormwater Utility Fees				
Development Impact Fees				
General Obligation, Revenue, and/or Special Tax Bonds				
Partnering Arrangements or Intergovernmental Agreements				
Other				



4. **Community Political Capability:** Political capability in this instance is being measured by the degree to which local political leadership (including appointed boards) is willing to enact policies and programs that reduce hazard vulnerabilities in your community, even if met with some opposition. Examples may include guiding development away from identified hazard areas, restricting public investments or capital improvements within hazard areas, or enforcing local development standards that go beyond minimum State or Federal requirements (e.g., building codes, floodplain management, etc.). Rate the jurisdiction's political capability to enact policies and programs that reduce hazard vulnerabilities on a scale from 0 to 5. Generally, a higher the score corresponds to a higher degree of community political capability.



5. **Self-Assessment of Capability:** Please provide an approximate measure of your jurisdiction's capability to effectively implement hazard mitigation strategies to reduce hazard vulnerabilities. Using the following table, please place an "X" in the box marking the most appropriate degree of capability (Limited, Moderate or High) based upon best available information and the responses provided in Sections 1-5 of this survey. For multi-jurisdictional plans, record the results of this section into the Self-Assessment Capability Matrix in **Appendix 4.**

Area	Degree of Capability		
	Limited	Moderate	High
Planning and Regulatory Capability			
Administrative and Technical Capability			
Fiscal Capability			
Community Political Capability			
Community Resiliency Capability			



Mitigation Strategy 5-Year Mitigation Plan Review

Purpose: To fulfill requirement that plan maintenance from previous plan has been completed and to obtain early feedback from the local mitigation planning committee on the plan update to incorporate into the update process.

Instructions: Complete the *Goal and Objective Review Worksheet* and *Mitigation Action Plan Review Worksheet* on the next two pages keeping the following questions in mind:

- Do the goals, objectives, and actions address current and expected conditions?
- Go through each goal and objective to determine: Should goal be carried forward into updated plan? Should goal be changed based on current conditions in community? Should goal be discontinued and if so why?
- Progress on actions should be noted. For each action the following questions should be answered: What is status? What progress has been made? Should action be continued in updated plan? Should action be discontinued and if so why?
- Has the nature or magnitude of hazard risk changed?
- Are current resources adequate to implement the Plan?
- Should additional local resources be committed to address identified hazard threats?
- Are there any issues that have limited the current implementation schedule?
- Have the implementation of identified mitigation actions resulted in expected outcomes?
- Has the Mitigation Planning Committee measured the effectiveness of completed hazard mitigation projects in terms of specific dollar losses avoided?
- Did the jurisdictions, agencies and other partners participate in the plan implementation process as proposed?
- Other?

Before completing the worksheets, the group may wish to discuss the above questions in a round robin format, using a flip chart. The questions are standard questions; however it is important to check the existing hazard mitigation plan maintenance section to see if there are additional questions that need to be considered.



Goal and Objective Review Worksheet

Jurisdiction:

Bethel TWP

Point of Contact Name and Title:

Roy E. Powell

Phone:

717-294-6583

Email:

BethelTWP@FrontierNet.net

Instructions: Write each goal and objective identified in the existing hazard mitigation plan. Use the comment boxes to provide feedback or to suggest modification of any of the proposed goals or objectives. You may suggest additional objectives below each goal, or new goals and objectives on the last page of this exercise.

Existing Goals and Objectives		Comments
Goal 1	Prevent hazards from impacting the community	
Objective 1.A	Work with the municipalities to create and/or update land use regulations (e.g., zoning, subdivision, and land development).	
Objective 1.B	Complete and/or update stormwater management plans for all the watersheds in the County.	
Objective 1.C	Address areas of roadways that are vulnerable to hazard impacts.	
Goal 2	Protect the people, property, and environment in hazard areas.	
Objective 2.A	Examine property protection measures and their applicability to the community.	
Objective 2.B	Identify hazard areas in which property protection measures would be most effective.	



Existing Goals and Objectives		Comments
Goal 3	Maintain and enhance emergency services capabilities in the community.	
Objective 3.A	Ensure adequate communications capabilities among emergency response organizations.	
Objective 3.B	Continue to train municipal Emergency Management Coordinators on hazard protection and response.	
Objective 3.C	Ensure adequate water supply to fight urban and wildland fires.	
Goal 4	Protect natural resources within the hazard areas.	
Objective 4.A	Continue working with the Conservation District to ensure that the County's natural resources are protected.	
Objective 4.B	Maintain environmental education programs that the conservation and extension offices conduct, and perhaps create new ones.	
Goal 5	Ensure that stakeholder groups have necessary information to mitigate against hazard impacts.	
Objective 5.A	Continue StormReady program participation.	
Objective 5.B	Update and maintain the County Web site with current information from all departments.	
Objective 5.C	Maintain the linkage between the County GIS and tax assessment records to obtain information on condition, number of stories, and age of construction.	



Suggested Additional Goals and/or Objectives		Comments
Goal		
Objective		
Objective		
Objective		
Goal		
Objective		
Objective		
Objective		
Goal		
Objective		
Objective		
Objective		



Mitigation Action Plan Review Worksheet

Instructions: List each mitigation action from the existing hazard mitigation plan and identify its status as "No Progress / Unknown," "In Progress / Not Yet Complete," "Continuous," "Completed," or "Discontinued." Include review comments for each action.

Existing Mitigation Action	Status				Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	
1.A.1: Conduct workshops and training for municipal officials on the benefits of land use regulations to protect new and existing structures and infrastructure.	✓				
1.B.1: Create and maintain stormwater management plans for the County's watersheds.					
1.C.1: Redesign the Timber Ridge Road, Great Cove Road (US-522) intersection to provide adequate sight distance for motorists turning from Timber Ridge Road.					
1.C.2: Lower and slope the road bank at the intersection of Sipes Mill Road (SR 4001) and Palmer Road (T-383) to increase visibility when entering Sipes Mill Road.					
1.C.3: Replace three tiles on Johnstons Drive with one squash tile.					
1.C.4: Construct a bridge on Creek Road (T-388) in Licking Creek Township over the creek fording.					
1.C.5: Replace the road tile on Back Hollow Road in Harrisonville.	✓				
1.C.6: Increase visibility at the intersection of Great Cove Road (US-522) and Alpine Road.	✓				
1.C.7: Increase visibility at the intersection of Great Cove Road (US-522) and Bethel Church Road.	✓				



Mitigation Strategy 5-Year Mitigation Plan Review

Existing Mitigation Action	Status				Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	
1.C.8: Increase visibility at the intersection of State Route 643 and Spring Road.	✓				
1.C.9: Increase visibility at the intersection of Stoney Break Road and Black Oak Road.	✓				
1.C.10: Increase visibility at the intersection of Buck Valley Road and Mays Chapel Road.	✓				
2.A.1: Obtain information on existing and proposed new structures in the areas with the highest relative vulnerability to determine the best property protection methods. The following information should be obtained: <ul style="list-style-type: none"> • Lowest-floor elevation • Number of stories • Presence of a basement • Market and/or replacement value 					
2.A.2: Obtain information for all existing and proposed new structures in the 1% chance floodplain to determine the best property protection methods to promote with individual property owners.					
2.A.3: Examine the effects of requiring anchor straps and improved roofing shingles on new and existing manufactured homes and residences of the County.					
2.B.1: Establish a Firewise Program in the County, especially around the Meadow Grounds Lake, Cowans Gap State Park, and Breezewood Park.					
3.A.1: Identify and apply for funding to enhance the County's radio system.					
3.A.2: Identify and apply for funding to upgrade the County's emergency responders' radio equipment.					



Mitigation Strategy 5-Year Mitigation Plan Review

Existing Mitigation Action	Status				Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	
3.A.3: Identify and implement backup communications systems for emergency response organizations.					
3.B.1: Include hazard mitigation periodically as a topic in the Quarterly Emergency Management Coordinator Training session(s).					
3.C.1: Install dry hydrant locations along PA-655 to assist the Needmore Fire Company.					
4.A.1: Protect natural wetlands that may absorb floodwaters.					
4.A.2: Implement programs deemed necessary by the Conservation District.					
4.B.1: Coordinate with the conservation and extension offices to provide education and training to emergency responders, managers, and municipal officials.					
5.A.1: Recruit SkyWarn Spotters in the County.					
5.A.2: Encourage major employers and other facilities to participate in the subordinate StormReady programs.					
5.B.1: Seek relevant input from all departments during the pre-impact, impact, and post-impact phases of an emergency.					
5.C.1: Identify and fill gaps in information needed to conduct vulnerability analysis in hazard areas.					
5.C.2: Evaluate GIS and other software packages to find the ideal system for the County's use.					



Evaluation of Identified Hazards and Risk

Name: DELMAS F BARD

Title: Supervisor

Jurisdiction: BRUSH CREEK TWP.

PART I

Identified Hazards 2010 HMP	How has the frequency of occurrence, magnitude of impact, and/or geographic extent changed in your community? <i>NC = No Change; I = Increase; D = Decrease</i> <i>(Please provide an explanation for any hazards marked I or D in the "Additional Comments" column)</i>	Additional Comments
Drought	NC	
Earthquakes	NC	
Environmental Hazards	NC	
Floods, Flash Floods, and Ice Jams	NC	
Hailstorms	NC	
Severe Wind Storms	NC	
Severe Winter Storms	NC	
Subsidence and Sinkholes	NC	
Transportation Hazards	NC	
Wildfires	NC	

PART II

Other Hazards:

Do any of these hazards, not previously profiled in the County's hazard mitigation plan; have the potential to affect your municipality significantly? (If so, please check the box)

Natural

- | | |
|--|--|
| <input type="checkbox"/> Avalanche/Glacier | <input type="checkbox"/> Landslides |
| <input type="checkbox"/> Coastal Erosion | <input checked="" type="checkbox"/> Lighting Strike |
| <input type="checkbox"/> Dust, Sand Storm | <input type="checkbox"/> Pandemic and Infectious Disease |
| <input type="checkbox"/> Expansive Soils | <input type="checkbox"/> Radon Exposure |
| <input type="checkbox"/> Extreme Temperature | <input type="checkbox"/> Tsunami |
| <input type="checkbox"/> Hurricane, Tropical Storm, Nor'easter | <input type="checkbox"/> Volcano |
| <input checked="" type="checkbox"/> Invasive Species | |

Human-Caused

- | | |
|---|--|
| <input type="checkbox"/> Building or Structure Collapse | <input type="checkbox"/> Fixed Nuclear Facility |
| <input type="checkbox"/> Civil Disturbance | <input type="checkbox"/> Levee Failure |
| <input type="checkbox"/> Dam Failures | <input type="checkbox"/> Nuclear Attack |
| <input type="checkbox"/> Disorientation | <input type="checkbox"/> Terrorism |
| <input type="checkbox"/> Drowning | <input type="checkbox"/> Urban Explosion |
| <input type="checkbox"/> Energy Emergencies | <input checked="" type="checkbox"/> Utility Interruption |
| <input checked="" type="checkbox"/> Fire | <input type="checkbox"/> War and Criminal Activity |

Other Comments:

[Empty rectangular box for comments]



Capability Assessment Survey

Jurisdiction: BRUGH CREEK TWP

Point of Contact Name and Title: DELMAS F BARD

Phone: 301 667 3219

Email: dfbard@yahoo.com

1. **Planning and Regulatory Capability:** Please indicate whether the following planning or regulatory tools and programs are currently in place or under development for your jurisdiction by placing an "X" in the appropriate box, followed by the date of adoption/update. Then, for each particular item in place, identify the department or agency responsible for its implementation and indicate it's estimated or anticipated effect on hazard loss reduction (Supports, Neutral or Hinders) with the appropriate symbol and also indicate if there has been a change in the ability of the tool/program to result in loss reduction. Finally, please provide additional comments or explanations in the space provided.

Tool / Program	In Place	Date Adopted or Updated	Under Development	Dept./Agency Responsible	Effect on Loss Reduction:		Change Since Last Plan:		Comments
					+ Support O Neutral - Hinders	+ Positive - Negative			
<i>EXAMPLE: Hazard Mitigation Plan</i>	X	1/1/2006		Hazard County LMA	+				Interim update in 2008 revised mitigation strategy; completed one action.
Hazard Mitigation Plan	✓	8-2010							
Emergency Operations Plan	✓	2009							
Disaster Recovery Plan									
Evacuation Plan									
Continuity of Operations Plan									
NFIP	✓	2-18-11							
NFIP – Community Rating System									
Floodplain Regulations (spec. NFIP Flood Damage Prevention Ordinance)									
Floodplain Management Plan									



Tool / Program	In Place	Status Date Adopted or Updated	Under Development	Dept./Agency Responsible	Effect on Loss Reduction:		Change Since Last Plan:		Comments
					+ Support O Neutral - Hinder	+ Positive - Negative			
Zoning Regulations									
Subdivision Regulations	✓	2011							
Comprehensive Land Use Plan (or General, Master or Growth Mgt. Plan)	✓	2007							
Open Space Management Plan (or Parks/Rec or Greenways Plan)									
Stormwater Management Plan / Ordinance	✓	2011							
Natural Resource Protection Plan									
Capital Improvement Plan									
Economic Development Plan									
Historic Preservation Plan	✓								
Farmland Preservation	✓								
Building Code									
Fire Code									
Firewise									
Storm Ready	✓	6-13-13							
Other									



2. Administrative and Technical Capability: Please indicate whether your jurisdiction maintains the following staff members within its current personnel resources by placing an "X" in the appropriate box. Then, if YES, please identify the department or agency they work under and provide any other comments you may have in the space provided or with attachments.

Staff/Personnel Resources	Yes	No	Department/Agency	Comments
Planners (with land use / land development knowledge)				
Planners or engineers (with natural and/or human caused hazards knowledge)				
Engineers or professionals trained in building and/or infrastructure construction practices (includes building inspectors)	X			
Emergency Manager	X			
NIFIP Floodplain Administrator	X			
Land Surveyors	X			
Scientists or staff familiar with the hazards of the community				
Personnel skilled in Geographic Information Systems (GIS) and/or FEMA's HAZUS program				
Grant writers or fiscal staff to handle large/complex grants				
Staff with expertise or training in Benefit-Cost Analysis				
Other				

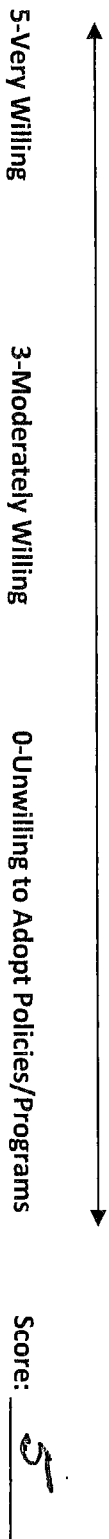


3. Fiscal Capability: Please indicate whether your jurisdiction has access to or is eligible to use the following local financial resources *for hazard mitigation purposes* (including as match funds for State of Federal mitigation grant funds). Then, identify the primary department or agency responsible for its administration or allocation and provide any other comments you may have in the space provided or with attachments.

Financial Resources	Yes	No	Department/Agency	Comments
Capital Improvement Programming				
Community Development Block Grants (CDBG)				
Special Purpose Taxes				
Gas / Electric Utility Fees				
Water / Sewer Fees				
Stormwater Utility Fees				
Development Impact Fees				
General Obligation, Revenue, and/or Special Tax Bonds				
Partnering Arrangements or Intergovernmental Agreements				
Other				



4. Community Political Capability: Political capability in this instance is being measured by the degree to which local political leadership (including appointed boards) is willing to enact policies and programs that reduce hazard vulnerabilities in your community, even if met with some opposition. Examples may include guiding development away from identified hazard areas, restricting public investments or capital improvements within hazard areas, or enforcing local development standards that go beyond minimum State or Federal requirements or capital building codes, floodplain management, etc.). Rate the jurisdiction's political capability to enact policies and programs that reduce hazard vulnerabilities on a scale from 0 to 5. Generally, a higher the score corresponds to a higher degree of community political capability.



5. Self-Assessment of Capability: Please provide an approximate measure of your jurisdiction's capability to effectively implement hazard mitigation strategies to reduce hazard vulnerabilities. Using the following table, please place an "X" in the box marking the most appropriate degree of capability (Limited, Moderate or High) based upon best available information and the responses provided in Sections 1-5 of this survey. For multi-jurisdictional plans, record the results of this section into the Self-Assessment Capability Matrix in **Appendix 4.**

Area	Degree of Capability		
	Limited	Moderate	High
Planning and Regulatory Capability			
Administrative and Technical Capability			X
Fiscal Capability		X	
Community Political Capability		X	
Community Resiliency Capability			



Mitigation Strategy 5-Year Mitigation Plan Review

Purpose: To fulfill requirement that plan maintenance from previous plan has been completed and to obtain early feedback from the local mitigation planning committee on the plan update to incorporate into the update process.

Instructions: Complete the *Goal and Objective Review Worksheet* and *Mitigation Action Plan Review Worksheet* on the next two pages keeping the following questions in mind:

- Do the goals, objectives, and actions address current and expected conditions?
- Go through each goal and objective to determine: Should goal be carried forward into updated plan? Should goal be changed based on current conditions in community? Should goal be discontinued and if so why?
- Progress on actions should be noted. For each action the following questions should be answered: What is status? What progress has been made? Should action be continued in updated plan? Should action be discontinued and if so why?
- Has the nature or magnitude of hazard risk changed?
- Are current resources adequate to implement the Plan?
- Should additional local resources be committed to address identified hazard threats?
- Are there any issues that have limited the current implementation schedule?
- Have the implementation of identified mitigation actions resulted in expected outcomes?
- Has the Mitigation Planning Committee measured the effectiveness of completed hazard mitigation projects in terms of specific dollar losses avoided?
- Did the jurisdictions, agencies and other partners participate in the plan implementation process as proposed?
- Other?

Before completing the worksheets, the group may wish to discuss the above questions in a round robin format, using a flip chart. The questions are standard questions; however it is important to check the existing hazard mitigation plan maintenance section to see if there are additional questions that need to be considered.



Goal and Objective Review Worksheet

Jurisdiction:

BRUSH CREEK TWP

Point of Contact Name and Title:

DELMAS F BARD

Phone:

301 667 3219

Email:

dfbard@yahoo.com

Instructions: Write each goal and objective identified in the existing hazard mitigation plan. Use the comment boxes to provide feedback or to suggest modification of any of the proposed goals or objectives. You may suggest additional objectives below each goal, or new goals and objectives on the last page of this exercise.

Existing Goals and Objectives		Comments
Goal 1	Prevent hazards from impacting the community.	
Objective 1.A	Work with the municipalities to create and/or update land use regulations (e.g., zoning, subdivision, and land development).	
Objective 1.B	Complete and/or update stormwater management plans for all the watersheds in the County.	
Objective 1.C	Address areas of roadways that are vulnerable to hazard impacts.	
Goal 2	Protect the people, property, and environment in hazard areas.	
Objective 2.A	Examine property protection measures and their applicability to the community.	
Objective 2.B	Identify hazard areas in which property protection measures would be most effective.	



Existing Goals and Objectives		Comments
Goal 3	Maintain and enhance emergency services capabilities in the community.	
Objective 3.A	Ensure adequate communications capabilities among emergency response organizations.	
Objective 3.B	Continue to train municipal Emergency Management Coordinators on hazard protection and response.	
Objective 3.C	Ensure adequate water supply to fight urban and wildland fires.	
Goal 4	Protect natural resources within the hazard areas.	
Objective 4.A	Continue working with the Conservation District to ensure that the County's natural resources are protected.	
Objective 4.B	Maintain environmental education programs that the conservation and extension offices conduct, and perhaps create new ones.	
Goal 5	Ensure that stakeholder groups have necessary information to mitigate against hazard impacts.	
Objective 5.A	Continue StormReady program participation.	
Objective 5.B	Update and maintain the County Web site with current information from all departments.	
Objective 5.C	Maintain the linkage between the County GIS and tax assessment records to obtain information on condition, number of stories, and age of construction.	



Suggested Additional Goals and/or Objectives		Comments
Goal		
Objective		
Objective		
Objective		

Goal		
Objective		
Objective		
Objective		

Goal		
Objective		
Objective		
Objective		



Mitigation Action Plan Review Worksheet

Instructions: List each mitigation action from the existing hazard mitigation plan and identify its status as "No Progress / Unknown," "In Progress / Not Yet Complete," "Continuous," "Completed," or "Discontinued." Include review comments for each action.

Existing Mitigation Action	Status				Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	
1.A. 1: Conduct workshops and training for municipal officials on the benefits of land use regulations to protect new and existing structures and infrastructure.					
1.B. 1: Create and maintain stormwater management plans for the County's watersheds.					
1.C. 1: Redesign the Timber Ridge Road, Great Cove Road (US-522) intersection to provide adequate sight distance for motorists turning from Timber Ridge Road.					
1.C. 2: Lower and slope the road bank at the intersection of Sipes Mill Road (SR 4001) and Palmer Road (T-383) to increase visibility when entering Sipes Mill Road.					
1.C. 3: Replace three tiles on Johnstons Drive with one squash tile.					
1.C. 4: Construct a bridge on Creek Road (T-388) in Licking Creek Township over the creek fording.					
1.C. 5: Replace the road tile on Back Hollow Road in Harrisonville.					
1.C. 6: Increase visibility at the intersection of Great Cove Road (US-522) and Alpine Road.					
1.C. 7: Increase visibility at the intersection of Great Cove Road (US-522) and Bethel Church Road.					



Mitigation Strategy 5-Year Mitigation Plan Review

Existing Mitigation Action	Status					Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	Discontinued	
1.C.8: Increase visibility at the intersection of State Route 643 and Spring Road.						
1.C.9: Increase visibility at the intersection of Stoney Break Road and Black Oak Road.						
1.C.10: Increase visibility at the intersection of Buck Valley Road and Mays Chapel Road.						
2.A.1: Obtain information on existing and proposed new structures in the areas with the highest relative vulnerability to determine the best property protection methods. The following information should be obtained: <ul style="list-style-type: none"> • Lowest-floor elevation • Number of stories • Presence of a basement • Market and/or replacement value 						
2.A.2: Obtain information for all existing and proposed new structures in the 1% chance floodplain to determine the best property protection methods to promote with individual property owners.						
2.A.3: Examine the effects of requiring anchor straps and improved roofing shingles on new and existing manufactured homes and residences of the County.						
2.B.1: Establish a Firewise Program in the County, especially around the Meadow Grounds Lake, Cowans Gap State Park, and Brezewood Park.						
3.A.1: Identify and apply for funding to enhance the County's radio system.						
3.A.2: Identify and apply for funding to upgrade the County's emergency responders' radio equipment.						



Mitigation Strategy 5-Year Mitigation Plan Review

Existing Mitigation Action	Status				Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	
3.A.3: Identify and implement backup communications systems for emergency response organizations.					
3.B.1: Include hazard mitigation periodically as a topic in the Quarterly Emergency Management Coordinator Training session(s).					
3.C.1: Install dry hydrant locations along PA-655 to assist the Needmore Fire Company.					
4.A.1: Protect natural wetlands that may absorb floodwaters.					
4.A.2: Implement programs deemed necessary by the Conservation District.					
4.B.1: Coordinate with the conservation and extension offices to provide education and training to emergency responders, managers, and municipal officials.					
5.A.1: Recruit SkyWarn Spotters in the County.					
5.A.2: Encourage major employers and other facilities to participate in the subordinate StormReady programs.					
5.B.1: Seek relevant input from all departments during the pre-impact, impact, and post-impact phases of an emergency.					
5.C.1: Identify and fill gaps in information needed to conduct vulnerability analysis in hazard areas.					
5.C.2: Evaluate GIS and other software packages to find the ideal system for the County's use.					



Evaluation of Identified Hazards and Risk

Name: JEFFREY CROFT

Title: CHAIRMAN

Jurisdiction: DUBLIN TOWNSHIP

PART I

How has the frequency of occurrence, magnitude of impact, and/or geographic extent changed in your community?		
Identified Hazards 2010 HMP	NC = No Change; I = Increase; D = Decrease	Additional Comments
(Please provide an explanation for any hazards marked I or D in the "Additional Comments" column)		
Drought	NC	
Earthquakes	NC	
Environmental Hazards	NC D	SEWER PLANTS
Floods, Flash Floods, and Ice Jams	NC	
Hailstorms	NC	
Severe Wind Storms	NC	
Severe Winter Storms	NC	
Subsidence and Sinkholes	NC	
Transportation Hazards	NC	
Wildfires	NC	

PART II

Other Hazards:

Do any of these hazards, not previously profiled in the County's hazard mitigation plan; have the potential to affect your municipality significantly? (If so, please check the box)

Natural

- | | |
|---|--|
| <input type="checkbox"/> Avalanche/Glacier | <input type="checkbox"/> Landslides |
| <input type="checkbox"/> Coastal Erosion | <input checked="" type="checkbox"/> Lighting Strike |
| <input type="checkbox"/> Dust, Sand Storm | <input type="checkbox"/> Pandemic and Infectious Disease |
| <input type="checkbox"/> Expansive Soils | <input type="checkbox"/> Radon Exposure |
| <input type="checkbox"/> Extreme Temperature | <input type="checkbox"/> Tsunami |
| <input checked="" type="checkbox"/> Hurricane, Tropical Storm, Nor'easter | <input type="checkbox"/> Volcano |
| <input type="checkbox"/> Invasive Species | |

Human-Caused

- | | |
|---|--|
| <input type="checkbox"/> Building or Structure Collapse | <input type="checkbox"/> Fixed Nuclear Facility |
| <input type="checkbox"/> Civil Disturbance | <input type="checkbox"/> Levee Failure |
| <input checked="" type="checkbox"/> Dam Failures | <input type="checkbox"/> Nuclear Attack |
| <input type="checkbox"/> Disorientation | <input type="checkbox"/> Terrorism |
| <input type="checkbox"/> Drowning | <input type="checkbox"/> Urban Explosion |
| <input type="checkbox"/> Energy Emergencies | <input type="checkbox"/> Utility Interruption |
| <input checked="" type="checkbox"/> Fire | <input type="checkbox"/> War and Criminal Activity |

Other Comments:

[Empty rectangular box for comments]

Capability Assessment Survey

Jurisdiction: DUBLIN TOWNSHIP

Point of Contact Name and Title: JEFFREY CROFT, CHAIRMAN

Phone: 717-491-0676

Email: JCROFT1961@YAHOO.COM

1. Planning and Regulatory Capability: Please indicate whether the following planning or regulatory tools and programs are currently in place or under development for your jurisdiction by placing an "X" in the appropriate box, followed by the date of adoption/update. Then, for each particular item in place, identify the department or agency responsible for its implementation and indicate it's estimated or anticipated effect on hazard loss reduction (Supports, Neutral or Hinders) with the appropriate symbol and also indicate if there has been a change in the ability of the tool/program to result in loss reduction. Finally, please provide additional comments or explanations in the space provided.

Tool / Program	In Place	Date Adopted or Updated	Under Development	Dept./Agency Responsible	Effect on Loss Reduction:			Comments
					+ Support	0 Neutral	- Hinder	
					Change Since Last Plan:			
					+ Positive	- Negative		
EXAMPLE: Hazard Mitigation Plan	X	1/1/2006		Hazard County EMA	+			Interim update in 2008 revised mitigation strategy; completed one action.
Hazard Mitigation Plan	X	9/2010		FULTON CO. PLANNING + EMA				
Emergency Operations Plan	X	2012		FULTON CO. EMA				
Disaster Recovery Plan								
Evacuation Plan								
Continuity of Operations Plan								
NFIP	X	2-18-11						
NFIP – Community Rating System								
Floodplain Regulations (Spec. NFIP Flood Damage Prevention Ordinance)								
Floodplain Management Plan	X	2/8/2011						



Capability Assessment Survey

Tool / Program	In Place	Status Date Adopted or Updated	Under Development	Dept./Agency Responsible	Effect on Loss Reduction:		Change Since Last Plan:		Comments
					+ Support 0 Neutral - Hinder	+ Positive - Negative			
Zoning Regulations									
Subdivision Regulations	X	1995		DUBLIN TOWNSHIP FULTON CO. PLANNING					
Comprehensive Land Use Plan (or General, Master or Growth Mgt. Plan)	X	1/2007		FULTON CO. PLANNING					
Open Space Management Plan (or Parks/Rec or Greenways Plan)	X	5/2007		FULTON CO. PLANNING					
Stormwater Management Plan / Ordinance	X	2/5/2008		FULTON CO. PLANNING					
Natural Resource Protection Plan									
Capital Improvement Plan									
Economic Development Plan									
Historic Preservation Plan									
Farmland Preservation									
Building Code	X	2002							
Fire Code									
Firewise									
Storm Ready	X	7-13-13							
Other AG SECURITY	X								



2. **Administrative and Technical Capability:** Please indicate whether your jurisdiction maintains the following staff members within its current personnel resources by placing an "X" in the appropriate box. Then, if YES, please identify the department or agency they work under and provide any other comments you may have in the space provided or with attachments.

Staff/Personnel Resources	Yes	No	Department/Agency	Comments
Planners (with land use / land development knowledge)	X		KELLER ENGINEERS INC,	
Planners or engineers (with natural and/or human caused hazards knowledge)	X		KELLER ENGINEERS INC,	
Engineers or professionals trained in building and/or infrastructure construction practices (includes building inspectors)	X		KELLER ENGINEERS INC,	
Emergency Manager	X		LISA MCCONAHY	
NFIP Floodplain Administrator	X		DORBLIN TAPP	
Land Surveyors				
Scientists or staff familiar with the hazards of the community				
Personnel skilled in Geographic Information Systems (GIS) and/or FEMA's HAZUS program				
Grant writers or fiscal staff to handle large/complex grants				
Staff with expertise or training in Benefit-Cost Analysis				
Other				



3. **Fiscal Capability:** Please indicate whether your jurisdiction has access to or is eligible to use the following local financial resources *for hazard mitigation purposes* (including as match funds for State of Federal mitigation grant funds). Then, identify the primary department or agency responsible for its administration or allocation and provide any other comments you may have in the space provided or with attachments.

Financial Resources	Yes	No	Department/Agency	Comments
Capital Improvement Programming				
Community Development Block Grants (CDBG)	X		FULTON COUNTY KAREN HANN	
Special Purpose Taxes				
Gas / Electric Utility Fees				
Water <u>Sewer Fees</u>	X		DUBLIN TOWNSHIP	
Stormwater Utility Fees				
Development Impact Fees				
General Obligation, Revenue, and/or Special Tax Bonds				
Partnering Arrangements or Intergovernmental Agreements				
Other				



4. **Community Political Capability:** Political capability in this instance is being measured by the degree to which local political leadership (including appointed boards) is willing to enact policies and programs that reduce hazard vulnerabilities in your community, even if met with some opposition. Examples may include guiding development away from identified hazard areas, restricting public investments or capital improvements within hazard areas, or enforcing local development standards that go beyond minimum State or Federal requirements (e.g., building codes, floodplain management, etc.). Rate the jurisdiction's political capability to enact policies and programs that reduce hazard vulnerabilities on a scale from 0 to 5. Generally, a higher the score corresponds to a higher degree of community political capability.



5. **Self-Assessment of Capability:** Please provide an approximate measure of your jurisdiction's capability to effectively implement hazard mitigation strategies to reduce hazard vulnerabilities. Using the following table, please place an "X" in the box marking the most appropriate degree of capability (Limited, Moderate or High) based upon best available information and the responses provided in Sections 1-5 of this survey. For multi-jurisdictional plans, record the results of this section into the Self-Assessment Capability Matrix in **Appendix 4**.

Area	Degree of Capability		
	Limited	Moderate	High
Planning and Regulatory Capability		X	
Administrative and Technical Capability		X	
Fiscal Capability		X	
Community Political Capability		X	
Community Resiliency Capability		X	



Mitigation Strategy 5-Year Mitigation Plan Review

Purpose: To fulfill requirement that plan maintenance from previous plan has been completed and to obtain early feedback from the local mitigation planning committee on the plan update to incorporate into the update process.

Instructions: Complete the *Goal and Objective Review Worksheet* and *Mitigation Action Plan Review Worksheet* on the next two pages keeping the following questions in mind:

- Do the goals, objectives, and actions address current and expected conditions?
- Go through each goal and objective to determine: Should goal be carried forward into updated plan? Should goal be changed based on current conditions in community? Should goal be discontinued and if so why?
- Progress on actions should be noted. For each action the following questions should be answered: What is status? What progress has been made? Should action be continued in updated plan? Should action be discontinued and if so why?
- Has the nature or magnitude of hazard risk changed?
- Are current resources adequate to implement the Plan?
- Should additional local resources be committed to address identified hazard threats?
- Are there any issues that have limited the current implementation schedule?
- Have the implementation of identified mitigation actions resulted in expected outcomes?
- Has the Mitigation Planning Committee measured the effectiveness of completed hazard mitigation projects in terms of specific dollar losses avoided?
- Did the jurisdictions, agencies and other partners participate in the plan implementation process as proposed?
- Other?

Before completing the worksheets, the group may wish to discuss the above questions in a round robin format, using a flip chart. The questions are standard questions; however it is important to check the existing hazard mitigation plan maintenance section to see if there are additional questions that need to be considered.



Goal and Objective Review Worksheet

Jurisdiction: DUBLIN TOWNSHIP

Point of Contact Name and Title: JEFFREY CROFT

Phone: 717-491-0676

Email: JCROFT1961@YAHOO.COM

Instructions: Write each goal and objective identified in the existing hazard mitigation plan. Use the comment boxes to provide feedback or to suggest modification of any of the proposed goals or objectives. You may suggest additional objectives below each goal, or new goals and objectives on the last page of this exercise.

Existing Goals and Objectives		Comments
Goal 1	Prevent hazards from impacting the community	
Objective 1.A	Work with the municipalities to create and/or update land use regulations (e.g., zoning, subdivision, and land development).	
Objective 1.B	Complete and/or update stormwater management plans for all the watersheds in the County.	1.B. COMPLETED 1.C.1. TANNERY RD. BRIDGE, 2. PARK RD. FLOODING
Objective 1.C	Address areas of roadways that are vulnerable to hazard impacts.	
Goal 2	Protect the people, property, and environment in hazard areas.	
Objective 2.A	Examine property protection measures and their applicability to the community.	
Objective 2.B	Identify hazard areas in which property protection measures would be most effective.	



Existing Goals and Objectives		Comments
Goal 3	Maintain and enhance emergency services capabilities in the community.	
Objective 3.A	Ensure adequate communications capabilities among emergency response organizations.	3.C. NOT SURE HOW WE CAN ACHIEVE. SHOULD PROBABLY BE REMOVED FROM LIST.
Objective 3.B	Continue to train municipal Emergency Management Coordinators on hazard protection and response.	
Objective 3.C	Ensure adequate water supply to fight urban and wildland fires.	
Goal 4	Protect natural resources within the hazard areas.	
Objective 4.A	Continue working with the Conservation District to ensure that the County's natural resources are protected.	
Objective 4.B	Maintain environmental education programs that the conservation and extension offices conduct, and perhaps create new ones.	
Goal 5	Ensure that stakeholder groups have necessary information to mitigate against hazard impacts.	
Objective 5.A	Continue StormReady program participation.	
Objective 5.B	Update and maintain the County Web site with current information from all departments.	
Objective 5.C	Maintain the linkage between the County GIS and tax assessment records to obtain information on condition, number of stories, and age of construction.	



Suggested Additional Goals and/or Objectives		Comments
Goal		
Objective	OBTAIN AN ENGINEER STUDY TO REDESIGN THE INTERSECTION AT TAYLOR RD. & WATERFALL RD. HARD FOR EMERGENCY VEHICLES TO MAKE TURN.	
Objective	RESEARCH CORRECTIVE ACTION NEEDED TO IMPROVE THE CONDITION OF TANNERY RD. BRIDGE	
Objective	RESEARCH CORRECTIVE ACTION TO PREVENT FLOODING OF PARK RD.	
Goal		
Objective		
Objective		
Objective		
Goal		
Objective		
Objective		
Objective		



Mitigation Action Plan Review Worksheet

Instructions: List each mitigation action from the existing hazard mitigation plan and identify its status as "No Progress / Unknown," "In Progress / Not Yet Complete," "Continuous," "Completed," or "Discontinued." Include review comments for each action.

Existing Mitigation Action	Status				Review Comments	
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed		Discontinued
1.A.1: Conduct workshops and training for municipal officials on the benefits of land use regulations to protect new and existing structures and infrastructure.	X					I HAVE NOT SEEN ANY TRAINING FOR THIS TOPIC/SUBJECT
1.B.1: Create and maintain stormwater management plans for the County's watersheds.				X		
1.C.1: Redesign the Timber Ridge Road, Great Cove Road (US-522) intersection to provide adequate sight distance for motorists turning from Timber Ridge Road.						
1.C.2: Lower and slope the road bank at the intersection of Sipes Mill Road (SR 4001) and Palmer Road (T-383) to increase visibility when entering Sipes Mill Road.						
1.C.3: Replace three tiles on Johnstons Drive with one squash tile.						
1.C.4: Construct a bridge on Creek Road (T-388) in Licking Creek Township over the creek fording.						
1.C.5: Replace the road tile on Back Hollow Road in Harrisonville.						
1.C.6: Increase visibility at the intersection of Great Cove Road (US-522) and Alpine Road.						
1.C.7: Increase visibility at the intersection of Great Cove Road (US-522) and Bethel Church Road.						



Mitigation Strategy 5-Year Mitigation Plan Review

Existing Mitigation Action	Status					Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	Discontinued	
1.C.8: Increase visibility at the intersection of State Route 643 and Spring Road.						
1.C.9: Increase visibility at the intersection of Stoney Break Road and Black Oak Road.						
1.C.10: Increase visibility at the intersection of Buck Valley Road and Mays Chapel Road.						
2.A.1: Obtain information on existing and proposed new structures in the areas with the highest relative vulnerability to determine the best property protection methods. The following information should be obtained: <ul style="list-style-type: none"> • Lowest-floor elevation • Number of stories • Presence of a basement • Market and/or replacement value 						
2.A.2: Obtain information for all existing and proposed new structures in the 1% chance floodplain to determine the best property protection methods to promote with individual property owners.						
2.A.3: Examine the effects of requiring anchor straps and improved roofing shingles on new and existing manufactured homes and residences of the County.						
2.B.1: Establish a Firewise Program in the County, especially around the Meadow Grounds Lake, Cowans Gap State Park, and Brezewood Park.						
3.A.1: Identify and apply for funding to enhance the County's radio system.						
3.A.2: Identify and apply for funding to upgrade the County's emergency responders' radio equipment.						



Mitigation Strategy 5-Year Mitigation Plan Review

Existing Mitigation Action	Status					Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	Discontinued	
3.A.3: Identify and implement backup communications systems for emergency response organizations.						
3.B.1: Include hazard mitigation periodically as a topic in the Quarterly Emergency Management Coordinator Training session(s).						
3.C.1: Install dry hydrant locations along PA-655 to assist the Needmore Fire Company.						
4.A.1: Protect natural wetlands that may absorb floodwaters.						
4.A.2: Implement programs deemed necessary by the Conservation District.						
4.B.1: Coordinate with the conservation and extension offices to provide education and training to emergency responders, managers, and municipal officials.						
5.A.1: Recruit SkyWarn Spotters in the County.						
5.A.2: Encourage major employers and other facilities to participate in the subordinate StormReady programs.						
5.B.1: Seek relevant input from all departments during the pre-impact, impact, and post-impact phases of an emergency.						
5.C.1: Identify and fill gaps in information needed to conduct vulnerability analysis in hazard areas.						
5.C.2: Evaluate GIS and other software packages to find the ideal system for the County's use.						



Capability Assessment Survey

Jurisdiction: Fulton County
 Phone: 719-485-3717

Point of Contact Name and Title: Mary K. Seville, Planning Director
 Email: mksவில்@co.fulton.pa.us

1. Planning and Regulatory Capability: Please indicate whether the following planning or regulatory tools and programs are currently in place or under development for your jurisdiction by placing an "X" in the appropriate box, followed by the date of adoption/update. Then, for each particular item in place, identify the department or agency responsible for its implementation and indicate it's estimated or anticipated effect on hazard loss reduction (Supports, Neutral or Hinders) with the appropriate symbol and also indicate if there has been a change in the ability of the tool/program to result in loss reduction. Finally, please provide additional comments or explanations in the space provided.

Tool / Program	In Place	Date Adopted or Updated	Under Development	Dept./Agency Responsible	Effect on Loss Reduction:			Change Since Last Plan:	Comments
					+ Support	0 Neutral	- Hinder		
EXAMPLE: Hazard Mitigation Plan	X	1/1/2006		Hazard County EMA	+		+	Interim update in 2008 revised mitigation strategy; completed one action.	
Hazard Mitigation Plan	X	8/2010		Planning EMA					
Emergency Operations Plan	X	1/2012		EMA			+	In process of updating now.	
Disaster Recovery Plan									
Evacuation Plan									
Continuity of Operations Plan	X	11/2014		EMA			+		
NFIP	X	2/18/11					+		
NFIP – Community Rating System									
Floodplain Regulations (Spec. NFIP Flood Damage Prevention Ordinance)									
Floodplain Management Plan									



Capability Assessment Survey

Tool / Program	In Place	Status Date Adopted or Updated	Under Development	Dept./Agency Responsible	Effect on Loss Reduction:		Change Since Last Plan:		Comments
					+ Support O Neutral - Hinder	+ Positive - Negative			
Zoning Regulations									
Subdivision Regulations									
Comprehensive Land Use Plan (or General, Master or Growth Mgt. Plan)	X	1/2007		Planning					
Open Space Management Plan (or Parks/Rec or Greenways Plan)	X	5/2007		Planning					In coordination w/ Southern Alleghenese Planning & Dev. Commission
Stormwater Management Plan / Ordinance	X	2011		Planning & Munic			+		
Natural Resource Protection Plan									
Capital Improvement Plan									
Economic Development Plan									
Historic Preservation Plan									
Farmland Preservation									
Building Code									
Fire Code									
Firewise									
Storm Ready	X	7/13/13					+		
Other									



2. Administrative and Technical Capability: Please indicate whether your jurisdiction maintains the following staff members within its current personnel resources by placing an "X" in the appropriate box. Then, if YES, please identify the department or agency they work under and provide any other comments you may have in the space provided or with attachments.

Staff/Personnel Resources	Yes	No	Department/Agency	Comments
Planners (with land use / land development knowledge)	X		Planning Commission	1 staff person
Planners or engineers (with natural and/or human caused hazards knowledge)		X		
Engineers or professionals trained in building and/or infrastructure construction practices (includes building inspectors)		X		
Emergency Manager	X		EMA	2 staff
NFIP Floodplain Administrator		X		
Land Surveyors		X		
Scientists or staff familiar with the hazards of the community	X		Planning & EMA	
Personnel skilled in Geographic Information Systems (GIS) and/or FEMA's HAZUS program	X		Planning	
Grant writers or fiscal staff to handle large/complex grants	X			
Staff with expertise or training in Benefit-Cost Analysis		X		
Other				

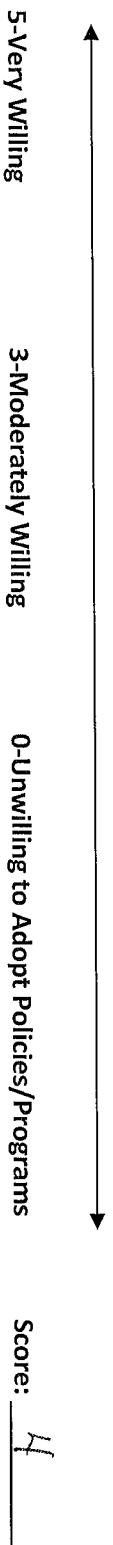


3. **Fiscal Capability:** Please indicate whether your jurisdiction has access to or is eligible to use the following local financial resources *for hazard mitigation purposes* (including as match funds for State of Federal mitigation grant funds). Then, identify the primary department or agency responsible for its administration or allocation and provide any other comments you may have in the space provided or with attachments.

Financial Resources	Yes	No	Department/Agency	Comments
Capital Improvement Programming				
Community Development Block Grants (CDBG)	X		Planning	
Special Purpose Taxes				
Gas / Electric Utility Fees				
Water / Sewer Fees				
Stormwater Utility Fees				
Development Impact Fees				
General Obligation, Revenue, and/or Special Tax Bonds				
Partnering Arrangements or Intergovernmental Agreements				
Other				



4. **Community Political Capability:** Political capability in this instance is being measured by the degree to which local political leadership (including appointed boards) is willing to enact policies and programs that reduce hazard vulnerabilities in your community, even if met with some opposition. Examples may include guiding development away from identified hazard areas, restricting public investments or capital improvements within hazard areas, or enforcing local development standards that go beyond minimum State or Federal requirements (e.g., building codes, floodplain management, etc.). Rate the jurisdiction's political capability to enact policies and programs that reduce hazard vulnerabilities on a scale from 0 to 5. Generally, a higher the score corresponds to a higher degree of community political capability.



5. Self-Assessment of Capability: Please provide an approximate measure of your jurisdiction's capability to effectively implement hazard mitigation strategies to reduce hazard vulnerabilities. Using the following table, please place an "X" in the box marking the most appropriate degree of capability (Limited, Moderate or High) based upon best available information and the responses provided in Sections 1-5 of this survey. For multi-jurisdictional plans, record the results of this section into the Self-Assessment Capability Matrix in **Appendix 4**.

Area	Degree of Capability		
	Limited	Moderate	High
Planning and Regulatory Capability		X	
Administrative and Technical Capability		X	
Fiscal Capability	X		
Community Political Capability		X	
Community Resiliency Capability		X	

Fulton County - Completed by Ruth Straff & Nancy Seville

Mitigation Strategy 5-Year Mitigation Plan Review

Purpose: To fulfill requirement that plan maintenance from previous plan has been completed and to obtain early feedback from the local mitigation planning committee on the plan update to incorporate into the update process.

Instructions: Complete the *Goal and Objective Review Worksheet* and *Mitigation Action Plan Review Worksheet* on the next two pages keeping the following questions in mind:

- Do the goals, objectives, and actions address current and expected conditions?
- Go through each goal and objective to determine. Should goal be carried forward into updated plan? Should goal be changed based on current conditions in community? Should goal be discontinued and if so why?
- Progress on actions should be noted. For each action the following questions should be answered: What is status? What progress has been made? Should action be continued in updated plan? Should action be discontinued and if so why?
- Has the nature or magnitude of hazard risk changed?
- Are current resources adequate to implement the Plan?
- Should additional local resources be committed to address identified hazard threats?
- Are there any issues that have limited the current implementation schedule?
- Have the implementation of identified mitigation actions resulted in expected outcomes?
- Has the Mitigation Planning Committee measured the effectiveness of completed hazard mitigation projects in terms of specific dollar losses avoided?
- Did the jurisdictions, agencies and other partners participate in the plan implementation process as proposed?
- Other?

Before completing the worksheets, the group may wish to discuss the above questions in a round robin format, using a flip chart. The questions are standard questions, however it is important to check the existing hazard mitigation plan maintenance section to see if there are additional questions that need to be considered.



Goal and Objective Review Worksheet

Instructions: Write each goal and objective identified in the existing hazard mitigation plan. Use the comment boxes to provide feedback or to suggest modification of any of the proposed goals or objectives. You may suggest additional objectives below each goal, or new goals and objectives on the last page of this exercise.

Existing Goals and Objectives		Comments
Goal 1	Prevent hazards from impacting the community	
Objective 1.A	Work with the municipalities to create and/or update land use regulations (e.g., zoning, subdivision, and land development).	
Objective 1.B	Complete and/or update stormwater management plans for all the watersheds in the County.	✓ Stormwater Management Plan was completed in 2011.
Objective 1.C	Address areas of roadways that are vulnerable to hazard impacts.	
Goal 2	Protect the people, property, and environment in hazard areas.	
Objective 2.A	Examine property protection measures and their applicability to the community.	
Objective 2.B	Identify hazard areas in which property protection measures would be most effective.	



Existing Goals and Objectives		Comments
Goal 3	Maintain and enhance emergency services capabilities in the community.	
Objective 3.A	Ensure adequate communications capabilities among emergency response organizations.	
Objective 3.B	Continue to train municipal Emergency Management Coordinators on hazard protection and response.	
Objective 3.C	Ensure adequate water supply to fight urban and wildland fires.	
Goal 4	Protect natural resources within the hazard areas.	
Objective 4.A	Continue working with the Conservation District to ensure that the County's natural resources are protected.	
Objective 4.B	Maintain environmental education programs that the conservation and extension offices conduct, and perhaps create new ones.	
Goal 5	Ensure that stakeholder groups have necessary information to mitigate against hazard impacts.	
Objective 5.A	Continue StormReady program participation.	<i>We are Storm Ready. Renewed in 2016.</i>
Objective 5.B	Update and maintain the County Web site with current information from all departments.	
Objective 5.C	Maintain the linkage between the County GIS and tax assessment records to obtain information on condition, number of stories, and age of construction.	<i>Yes</i>



Suggested Additional Goals and/or Objectives		Comments
Goal		
Objective		
Objective		
Objective		

Goal		
Objective		
Objective		
Objective		

Goal		
Objective		
Objective		
Objective		



Mitigation Action Plan Review Worksheet

Instructions: List each mitigation action from the existing hazard mitigation plan and identify its status as "No Progress / Unknown," "In Progress / Not Yet Complete," "Continuous," "Completed," or "Discontinued." Include review comments for each action.

Existing Mitigation Action	Status					Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	Discontinued	
1.A.1: Conduct workshops and training for municipal officials on the benefits of land use regulations to protect new and existing structures and infrastructure.			✓			
1.B.1: Create and maintain stormwater management plans for the County's watersheds.				✓		2011 - Stormwater Management Ordinance
1.C.1: Redesign the Timber Ridge Road, Great Cove Road (US-522) intersection to provide adequate sight distance for motorists turning from Timber Ridge Road.				✓		with Green Curve project in 2014
1.C.2: Lower and slope the road bank at the intersection of Sipes Mill Road (SR 4001) and Palmer Road (T-383) to increase visibility when entering Sipes Mill Road.						
1.C.3: Replace three tiles on Johnstons Drive with one squash tile.						
1.C.4: Construct a bridge on Creek Road (T-388) in Licking Creek Township over the creek fording.	✓					
1.C.5: Replace the road tile on Back Hollow Road in Harrisonville.						
1.C.6: Increase visibility at the intersection of Great Cove Road (US-522) and Alpine Road.						
1.C.7: Increase visibility at the intersection of Great Cove Road (US-522) and Bethel Church Road.						



Mitigation Strategy 5-Year Mitigation Plan Review

Existing Mitigation Action	Status					Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	Discontinued	
1.C.8: Increase visibility at the intersection of State Route 643 and Spring Road.						
1.C.9: Increase visibility at the intersection of Stoney Break Road and Black Oak Road.						
1.C.10: Increase visibility at the intersection of Buck Valley Road and Mays Chapel Road.						
2.A.1: Obtain information on existing and proposed new structures in the areas with the highest relative vulnerability to determine the best property protection methods. The following information should be obtained: <ul style="list-style-type: none"> • Lowest-floor elevation • Number of stories • Presence of a basement • Market and/or replacement value 						
2.A.2: Obtain information for all existing and proposed new structures in the 1% chance floodplain to determine the best property protection methods to promote with individual property owners.						
2.A.3: Examine the effects of requiring anchor straps and improved roofing shingles on new and existing manufactured homes and residences of the County.						
2.B.1: Establish a Firewise Program in the County, especially around the Meadow Grounds Lake, Cowans Gap State Park, and Breezewood Park.						
3.A.1: Identify and apply for funding to enhance the County's radio system.						
3.A.2: Identify and apply for funding to upgrade the County's emergency responders' radio equipment.		✓				Identified process for funding will start in near future.



Mitigation Strategy 5-Year Mitigation Plan Review

Existing Mitigation Action	Status					Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	Discontinued	
3.A.3: Identify and implement backup communications systems for emergency response organizations.						
3.B.1: Include hazard mitigation periodically as a topic in the Quarterly Emergency Management Coordinator Training session(s).			✓			
3.C.1: Install dry hydrant locations along PA-655 to assist the Needmore Fire Company.						
4.A.1: Protect natural wetlands that may absorb floodwaters.						
4.A.2: Implement programs deemed necessary by the Conservation District.						
4.B.1: Coordinate with the conservation and extension offices to provide education and training to emergency responders, managers, and municipal officials.			✓			
5.A.1: Recruit SkyWarn Spotters in the County.				✓		Cross given during Storm Ready process
5.A.2: Encourage major employers and other facilities to participate in the subordinate StormReady programs.						
5.B.1: Seek relevant input from all departments during the pre-impact, impact, and post-impact phases of an emergency.						
5.C.1: Identify and fill gaps in information needed to conduct vulnerability analysis in hazard areas.			✓			
5.C.2: Evaluate GIS and other software packages to find the ideal system for the County's use.			✓			Planning / GIS



Evaluation of Identified Hazards and Risk

Name: LuAnne Keebaugh

Title: Secretary/Treasurer

Jurisdiction: Licking Creek Township

PART I

Identified Hazards 2010 HMP	How has the frequency of occurrence, magnitude of impact, and/or geographic extent changed in your community?	
	NC = No Change; I = Increase; D = Decrease	Additional Comments
<i>(Please provide an explanation for any hazards marked I or D in the "Additional Comments" column)</i>		
Drought	NC	
Earthquakes	NC	
Environmental Hazards	NC	
Floods, Flash Floods, and Ice Jams	NC	
Hailstorms	NC	
Severe Wind Storms	I	
Severe Winter Storms	I	
Subsidence and Sinkholes	NC	
Transportation Hazards	NC	
Wildfires	NC	

PART II

Other Hazards:

Do any of these hazards, not previously profiled in the County's hazard mitigation plan; have the potential to affect your municipality significantly? (If so, please check the box)

Natural

- | | |
|---|--|
| <input type="checkbox"/> Avalanche/Glacier | <input type="checkbox"/> Landslides |
| <input type="checkbox"/> Coastal Erosion | <input type="checkbox"/> Lighting Strike |
| <input type="checkbox"/> Dust, Sand Storm | <input type="checkbox"/> Pandemic and Infectious Disease |
| <input type="checkbox"/> Expansive Soils | <input type="checkbox"/> Radon Exposure |
| <input type="checkbox"/> Extreme Temperature | <input type="checkbox"/> Tsunami |
| <input checked="" type="checkbox"/> Hurricane, Tropical Storm, Nor'easter | <input type="checkbox"/> Volcano |
| <input type="checkbox"/> Invasive Species | |

Human-Caused

- | | |
|---|--|
| <input type="checkbox"/> Building or Structure Collapse | <input type="checkbox"/> Fixed Nuclear Facility |
| <input type="checkbox"/> Civil Disturbance | <input type="checkbox"/> Levee Failure |
| <input type="checkbox"/> Dam Failures | <input type="checkbox"/> Nuclear Attack |
| <input type="checkbox"/> Disorientation | <input type="checkbox"/> Terrorism |
| <input type="checkbox"/> Drowning | <input type="checkbox"/> Urban Explosion |
| <input checked="" type="checkbox"/> Energy Emergencies | <input checked="" type="checkbox"/> Utility Interruption |
| <input checked="" type="checkbox"/> Fire | <input type="checkbox"/> War and Criminal Activity |

Other Comments:

[Empty rectangular box for comments]

Capability Assessment Survey

Jurisdiction: Licking Creek Township

Point of Contact Name and Title: Kathleen Sheehan, Secretary / Treasurer

Phone: 717-830-3115

Email: lickingcreek01@frontier.net

1. **Planning and Regulatory Capability:** Please indicate whether the following planning or regulatory tools and programs are currently in place or under development for your jurisdiction by placing an "X" in the appropriate box, followed by the date of adoption/update. Then, for each particular item in place, identify the department or agency responsible for its implementation and indicate it's estimated or anticipated effect on hazard loss reduction (Supports, Neutral or Hinders) with the appropriate symbol and also indicate if there has been a change in the ability of the tool/program to result in loss reduction. Finally, please provide additional comments or explanations in the space provided.

Tool / Program	In Place	Date Adopted or Updated	Under Development	Dept./Agency Responsible	Effect on Loss Reduction:			Change Since Last Plan:	Comments
					+ Support	0 Neutral	- Hinder		
EXAMPLE: Hazard Mitigation Plan	X	1/1/2006		Hazard County EMA	+		+	Interim update in 2008 revised mitigation strategy; completed one action.	
Hazard Mitigation Plan	X	8/2010		FuHox County Planning & EMA					
Emergency Operations Plan	X	2012		FuHox Co EMA					
Disaster Recovery Plan									
Evacuation Plan									
Continuity of Operations Plan	X	1/1/09		FuHox Co EMA					
NFIP	X	2-18-11							
NFIP - Community Rating System									
Floodplain Regulations (Spec. NFIP Flood Damage Prevention Ordinance)	X	1/2/11		Licking Creek				Ordinance adopted	
Floodplain Management Plan									



Tool / Program	In Place	Status Date Adopted or Updated	Under Development	Dept./Agency Responsible	Effect on Loss Reduction:		Change Since Last Plan:		Comments
					+ Support 0 Neutral - Hinder	+ Positive - Negative			
Zoning Regulations									
Subdivision Regulations	X	1-12-11		Licking Creek			+	New ordinance adopted	
Comprehensive Land Use Plan (or General, Master or Growth Mgt. Plan)	X	1-12-11		Licking Creek			+	New ordinance adopted	
Open Space Management Plan (or Parks/Rec or Greenways Plan)	X	2007		Fulton & Planning					
Stormwater Management Plan / Ordinance	X	1-12-11		Licking Creek			+	New ordinance adopted	
Natural Resource Protection Plan									
Capital Improvement Plan									
Economic Development Plan									
Historic Preservation Plan									
Farmland Preservation									
Building Code	X								
Fire Code									
Firewise									
Storm Ready	X	7-13-13							
Other <i>Ag Security Areas</i>	X								



2. **Administrative and Technical Capability:** Please indicate whether your jurisdiction maintains the following staff members within its current personnel resources by placing an "X" in the appropriate box. Then, if YES, please identify the department or agency they work under and provide any other comments you may have in the space provided or with attachments.

Staff/Personnel Resources	Yes	No	Department/Agency	Comments
Planners (with land use / land development knowledge)				
Planners or engineers (with natural and/or human caused hazards knowledge)				
Engineers or professionals trained in building and/or infrastructure construction practices (includes building inspectors)	X		<i>Keller Engineers</i>	
Emergency Manager				
NFIP Floodplain Administrator				
Land Surveyors				
Scientists or staff familiar with the hazards of the community				
Personnel skilled in Geographic Information Systems (GIS) and/or FEMA's HAZUS program				
Grant writers or fiscal staff to handle large/complex grants				
Staff with expertise or training in Benefit-Cost Analysis				
Other				

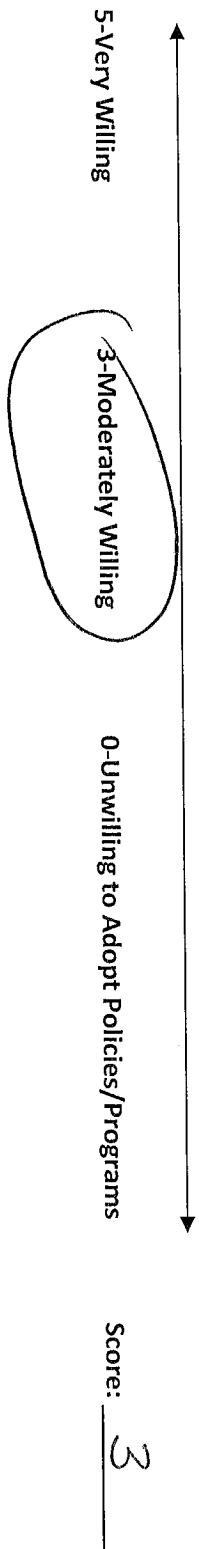


3. **Fiscal Capability:** Please indicate whether your jurisdiction has access to or is eligible to use the following local financial resources *for hazard mitigation purposes* (including as match funds for State of Federal mitigation grant funds). Then, identify the primary department or agency responsible for its administration or allocation and provide any other comments you may have in the space provided or with attachments.

Financial Resources	Yes	No	Department/Agency	Comments
Capital Improvement Programming		X		
Community Development Block Grants (CDBG)	X		Fulton County Commissioners	
Special Purpose Taxes		X		
Gas / Electric Utility Fees		X		
Water / Sewer Fees		X		
Stormwater Utility Fees		X		
Development Impact Fees		X		
General Obligation, Revenue, and/or Special Tax Bonds		X		
Partnering Arrangements or Intergovernmental Agreements		X		
Other	X			Agreements with all 3 fire companies



4. **Community Political Capability:** Political capability in this instance is being measured by the degree to which local political leadership (including appointed boards) is willing to enact policies and programs that reduce hazard vulnerabilities in your community, even if met with some opposition. Examples may include guiding development away from identified hazard areas, restricting public investments or capital improvements within hazard areas, or enforcing local development standards that go beyond minimum State or Federal requirements (e.g., building codes, floodplain management, etc.). Rate the jurisdiction's political capability to enact policies and programs that reduce hazard vulnerabilities on a scale from 0 to 5. Generally, a higher the score corresponds to a higher degree of community political capability.



5. **Self-Assessment of Capability:** Please provide an approximate measure of your jurisdiction's capability to effectively implement hazard mitigation strategies to reduce hazard vulnerabilities. Using the following table, please place an "X" in the box marking the most appropriate degree of capability (Limited, Moderate or High) based upon best available information and the responses provided in Sections 1-5 of this survey. For multi-jurisdictional plans, record the results of this section into the Self-Assessment Capability Matrix in **Appendix 4**.

Area	Degree of Capability		
	Limited	Moderate	High
Planning and Regulatory Capability		X	
Administrative and Technical Capability		X	
Fiscal Capability	X		
Community Political Capability	X		
Community Resiliency Capability		X	

Mitigation Strategy 5-Year Mitigation Plan Review

Purpose: To fulfill requirement that plan maintenance from previous plan has been completed and to obtain early feedback from the local mitigation planning committee on the plan update to incorporate into the update process.

Instructions: Complete the *Goal and Objective Review Worksheet* and *Mitigation Action Plan Review Worksheet* on the next two pages keeping the following questions in mind:

- Do the goals, objectives, and actions address current and expected conditions?
- Go through each goal and objective to determine: Should goal be carried forward into updated plan? Should goal be changed based on current conditions in community? Should goal be discontinued and if so why?
- Progress on actions should be noted. For each action the following questions should be answered: What is status? What progress has been made? Should action be continued in updated plan? Should action be discontinued and if so why?
- Has the nature or magnitude of hazard risk changed?
- Are current resources adequate to implement the Plan?
- Should additional local resources be committed to address identified hazard threats?
- Are there any issues that have limited the current implementation schedule?
- Have the implementation of identified mitigation actions resulted in expected outcomes?
- Has the Mitigation Planning Committee measured the effectiveness of completed hazard mitigation projects in terms of specific dollar losses avoided?
- Did the jurisdictions, agencies and other partners participate in the plan implementation process as proposed?
- Other?

Before completing the worksheets, the group may wish to discuss the above questions in a round robin format, using a flip chart. The questions are standard questions; however it is important to check the existing hazard mitigation plan maintenance section to see if there are additional questions that need to be considered.



Goal and Objective Review Worksheet

Jurisdiction: Licking Creek Township

Point of Contact Name and Title: LuAnne Koebach, Secretary

Phone: 717-830-3115

Email: lickingcreek01@frontier.net

Instructions: Write each goal and objective identified in the existing hazard mitigation plan. Use the comment boxes to provide feedback or to suggest modification of any of the proposed goals or objectives. You may suggest additional objectives below each goal, or new goals and objectives on the last page of this exercise.

Existing Goals and Objectives		Comments
Goal 1	Prevent hazards from impacting the community.	
Objective 1.A	Work with the municipalities to create and/or update land use regulations (e.g., zoning, subdivision, and land development).	
Objective 1.B	Complete and/or update stormwater management plans for all the watersheds in the County.	
Objective 1.C	Address areas of roadways that are vulnerable to hazard impacts.	
Goal 2	Protect the people, property, and environment in hazard areas.	
Objective 2.A	Examine property protection measures and their applicability to the community.	
Objective 2.B	Identify hazard areas in which property protection measures would be most effective.	



Existing Goals and Objectives		Comments
Goal 3	Maintain and enhance emergency services capabilities in the community.	
Objective 3.A	Ensure adequate communications capabilities among emergency response organizations.	
Objective 3.B	Continue to train municipal Emergency Management Coordinators on hazard protection and response.	
Objective 3.C	Ensure adequate water supply to fight urban and wildland fires.	
Goal 4	Protect natural resources within the hazard areas.	
Objective 4.A	Continue working with the Conservation District to ensure that the County's natural resources are protected.	
Objective 4.B	Maintain environmental education programs that the conservation and extension offices conduct, and perhaps create new ones.	
Goal 5	Ensure that stakeholder groups have necessary information to mitigate against hazard impacts.	
Objective 5.A	Continue StormReady program participation.	
Objective 5.B	Update and maintain the County Web site with current information from all departments.	
Objective 5.C	Maintain the linkage between the County GIS and tax assessment records to obtain information on condition, number of stories, and age of construction.	



Suggested Additional Goals and/or Objectives		Comments
Goal		
Objective		
Objective		
Objective		
Goal		
Objective		
Objective		
Objective		
Goal		
Objective		
Objective		
Objective		



Mitigation Action Plan Review Worksheet

Instructions: List each mitigation action from the existing hazard mitigation plan and identify its status as "No Progress / Unknown," "In Progress / Not Yet Complete," "Continuous," "Completed," or "Discontinued." Include review comments for each action.

Existing Mitigation Action	Status				Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	
1.A.1: Conduct workshops and training for municipal officials on the benefits of land use regulations to protect new and existing structures and infrastructure.					
1.B.1: Create and maintain stormwater management plans for the County's watersheds.					
1.C.1: Redesign the Timber Ridge Road, Great Cove Road (US-522) intersection to provide adequate sight distance for motorists turning from Timber Ridge Road.					
1.C.2: Lower and slope the road bank at the intersection of Sipes Mill Road (SR 4001) and Palmer Road (T-383) to increase visibility when entering Sipes Mill Road.					
1.C.3: Replace three tiles on Johnstons Drive with one squash tile.					
1.C.4: Construct a bridge on Creek Road (T-388) in Licking Creek Township over the creek fording.	X				
1.C.5: Replace the road tile on Back Hollow Road in Harrisonville.				X	
1.C.6: Increase visibility at the intersection of Great Cove Road (US-522) and Alpine Road.					
1.C.7: Increase visibility at the intersection of Great Cove Road (US-522) and Bethel Church Road.					



Mitigation Strategy 5-Year Mitigation Plan Review

Existing Mitigation Action	Status				Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	
1.C.8: Increase visibility at the intersection of State Route 643 and Spring Road.					
1.C.9: Increase visibility at the intersection of Stoney Break Road and Black Oak Road.					
1.C.10: Increase visibility at the intersection of Buck Valley Road and Mays Chapel Road.					
2.A.1: Obtain information on existing and proposed new structures in the areas with the highest relative vulnerability to determine the best property protection methods. The following information should be obtained: <ul style="list-style-type: none"> • Lowest-floor elevation • Number of stories • Presence of a basement • Market and/or replacement value 					
2.A.2: Obtain information for all existing and proposed new structures in the 1% chance floodplain to determine the best property protection methods to promote with individual property owners.					
2.A.3: Examine the effects of requiring anchor straps and improved roofing shingles on new and existing manufactured homes and residences of the County.					
2.B.1: Establish a Firewise Program in the County, especially around the Meadow Grounds Lake, Cowans Gap State Park, and Brezewood Park.					
3.A.1: Identify and apply for funding to enhance the County's radio system.					
3.A.2: Identify and apply for funding to upgrade the County's emergency responders' radio equipment.					



Existing Mitigation Action	Status				Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	
3.A.3: Identify and implement backup communications systems for emergency response organizations.					
3.B.1: Include hazard mitigation periodically as a topic in the Quarterly Emergency Management Coordinator Training session(s).					
3.C.1: Install dry hydrant locations along PA-655 to assist the Needmore Fire Company.					
4.A.1: Protect natural wetlands that may absorb floodwaters.					
4.A.2: Implement programs deemed necessary by the Conservation District.					
4.B.1: Coordinate with the conservation and extension offices to provide education and training to emergency responders, managers, and municipal officials.					
5.A.1: Recruit SkyWarn Spotters in the County.					
5.A.2: Encourage major employers and other facilities to participate in the subordinate StormReady programs.					
5.B.1: Seek relevant input from all departments during the pre-impact, impact, and post-impact phases of an emergency.					
5.C.1: Identify and fill gaps in information needed to conduct vulnerability analysis in hazard areas.					
5.C.2: Evaluate GIS and other software packages to find the ideal system for the County's use.					



Evaluation of Identified Hazards and Risk

Name: Richard L. Butterbaugh

Title: E. M. C.

Jurisdiction: McConnellsburg Boro

PART I

Identified Hazards 2010 HMP	How has the frequency of occurrence, magnitude of impact, and/or geographic extent changed in your community?	
	NC = No Change; I = Increase; D = Decrease	Additional Comments
<i>(Please provide an explanation for any hazards marked I or D in the "Additional Comments" column)</i>		
Drought	N.C.	
Earthquakes	N.C.	
Environmental Hazards	N.C.	
Floods, Flash Floods, and Ice Jams	N.C.	
Hailstorms	N.C.	
Severe Wind Storms	N.C.	
Severe Winter Storms	N.C.	
Subsidence and Sinkholes	N.C.	
Transportation Hazards	I	weight limit N. 3rd bridge
Wildfires	N.C.	

PART II

Other Hazards:

Do any of these hazards, not previously profiled in the County's hazard mitigation plan; have the potential to affect your municipality significantly? (If so, please check the box)

Natural

- | | |
|---|--|
| <input type="checkbox"/> Avalanche/Glacier | <input type="checkbox"/> Landslides |
| <input type="checkbox"/> Coastal Erosion | <input type="checkbox"/> Lighting Strike |
| <input type="checkbox"/> Dust, Sand Storm | <input type="checkbox"/> Pandemic and Infectious Disease |
| <input type="checkbox"/> Expansive Soils | <input type="checkbox"/> Radon Exposure |
| <input type="checkbox"/> Extreme Temperature | <input type="checkbox"/> Tsunami |
| <input checked="" type="checkbox"/> Hurricane, Tropical Storm, Nor'easter | <input type="checkbox"/> Volcano |
| <input type="checkbox"/> Invasive Species | |

Human-Caused

- | | |
|---|--|
| <input type="checkbox"/> Building or Structure Collapse | <input type="checkbox"/> Fixed Nuclear Facility |
| <input type="checkbox"/> Civil Disturbance | <input type="checkbox"/> Levee Failure |
| <input type="checkbox"/> Dam Failures | <input type="checkbox"/> Nuclear Attack |
| <input type="checkbox"/> Disorientation | <input type="checkbox"/> Terrorism |
| <input type="checkbox"/> Drowning | <input type="checkbox"/> Urban Explosion |
| <input type="checkbox"/> Energy Emergencies | <input checked="" type="checkbox"/> Utility Interruption |
| <input checked="" type="checkbox"/> Fire | <input type="checkbox"/> War and Criminal Activity |

Capability Assessment Survey

Jurisdiction: McCleary, Bara

Point of Contact Name and Title: Richard L. Besterboyer

Phone: 485-5511

Email: _____

1. **Planning and Regulatory Capability:** Please indicate whether the following planning or regulatory tools and programs are currently in place or under development for your jurisdiction by placing an "X" in the appropriate box, followed by the date of adoption/update. Then, for each particular item in place, identify the department or agency responsible for its implementation and indicate its estimated or anticipated effect on hazard loss reduction (Supports, Neutral or Hinders) with the appropriate symbol and also indicate if there has been a change in the ability of the tool/program to result in loss reduction. Finally, please provide additional comments or explanations in the space provided.

Tool / Program	In Place	Date Adopted or Updated	Under Development	Dept./Agency Responsible	Effect on Loss Reduction:		Change Since Last Plan:		Comments
					+ Support O Neutral - Hinder	+ Positive - Negative			
EXAMPLE: Hazard Mitigation Plan	X	1/1/2006		Hazard County EMA	+	+		Interim update in 2008 revised mitigation strategy; completed one action.	
Hazard Mitigation Plan	X	8/2010							
Emergency Operations Plan	X	2009							
Disaster Recovery Plan									
Evacuation Plan									
Continuity of Operations Plan									
NFIP	X	2-18-11							
NFIP – Community Rating System									
Floodplain Regulations (Spec. NFIP Flood Damage Prevention Ordinance)									
Floodplain Management Plan	X	2011							



Tool / Program	In Place	Status Date Adopted or Updated	Under Development	Dept./Agency Responsible	Effect on Loss Reduction:		Change Since Last Plan:		Comments
					+ Support O Neutral - Hinder	+ Positive - Negative			
Zoning Regulations	X	11-17-12							
Subdivision Regulations	X	11-17-12							
Comprehensive Land Use Plan (or General, Master or Growth Mgt. Plan)	X	1/2007		Fulton Co. Planning					
Open Space Management Plan (or Parks/Rec or Greenways Plan)	X	5/2007		Fulton Co. Planning					
Stormwater Management Plan / Ordinance	X	2011							
Natural Resource Protection Plan									
Capital Improvement Plan									
Economic Development Plan									
Historic Preservation Plan									
Farmland Preservation									
Building Code	X								
Fire Code									
Firewise									
Storm Ready	X	7-13-13							
Other									



2. **Administrative and Technical Capability:** Please indicate whether your jurisdiction maintains the following staff members within its current personnel resources by placing an "X" in the appropriate box. Then, if YES, please identify the department or agency they work under and provide any other comments you may have in the space provided or with attachments.

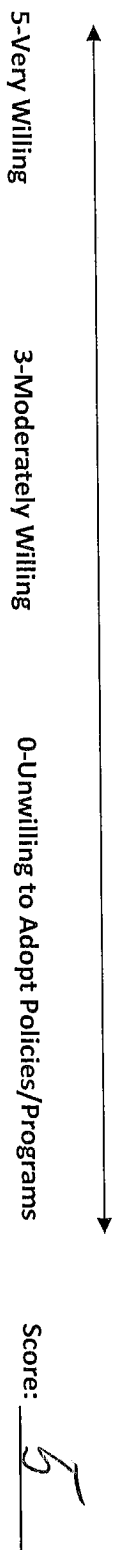
Staff/Personnel Resources	Yes	No	Department/Agency	Comments
Planners (with land use / land development knowledge)		X		
Planners or engineers (with natural and/or human caused hazards knowledge)	X		Keller Engineers	
Engineers or professionals trained in building and/or infrastructure construction practices (includes building inspectors)	X		Keller Engineers	
Emergency Manager	X		Rick Buttrbaugh	
NFIP Floodplain Administrator	X			
Land Surveyors		X		
Scientists or staff familiar with the hazards of the community		X		
Personnel skilled in Geographic Information Systems (GIS) and/or FEMA's HAZUS program		X		
Grant writers or fiscal staff to handle large/complex grants		X		
Staff with expertise or training in Benefit-Cost Analysis		X		
Other				

3. **Fiscal Capability:** Please indicate whether your jurisdiction has access to or is eligible to use the following local financial resources *for hazard mitigation purposes* (including as match funds for State of Federal mitigation grant funds). Then, identify the primary department or agency responsible for its administration or allocation and provide any other comments you may have in the space provided or with attachments.

Financial Resources	Yes	No	Department/Agency	Comments
Capital Improvement Programming		X		
Community Development Block Grants (CDBG)		X		
Special Purpose Taxes		X		
Gas / Electric Utility Fees		X		
Water / Sewer Fees		X		
Stormwater Utility Fees		X		
Development Impact Fees		X		
General Obligation, Revenue, and/or Special Tax Bonds		X		
Partnering Arrangements or Intergovernmental Agreements		X		
Other				



4. **Community Political Capability:** Political capability in this instance is being measured by the degree to which local political leadership (including appointed boards) is willing to enact policies and programs that reduce hazard vulnerabilities in your community, even if met with some opposition. Examples may include guiding development away from identified hazard areas, restricting public investments or capital improvements within hazard areas, or enforcing local development standards that go beyond minimum State or Federal requirements (e.g., building codes, floodplain management, etc.). Rate the jurisdiction's political capability to enact policies and programs that reduce hazard vulnerabilities on a scale from 0 to 5. Generally, a higher the score corresponds to a higher degree of community political capability.



5. **Self-Assessment of Capability:** Please provide an approximate measure of your jurisdiction's capability to effectively implement hazard mitigation strategies to reduce hazard vulnerabilities. Using the following table, please place an "X" in the box marking the most appropriate degree of capability (Limited, Moderate or High) based upon best available information and the responses provided in Sections 1-5 of this survey. For multi-jurisdictional plans, record the results of this section into the Self-Assessment Capability Matrix in **Appendix 4**.

Area	Degree of Capability		
	Limited	Moderate	High
Planning and Regulatory Capability		X	
Administrative and Technical Capability		X	
Fiscal Capability	X		
Community Political Capability		X	
Community Resiliency Capability		X	



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Goal and Objective Review Worksheet

Jurisdiction: McChg. Ford

Point of Contact Name and Title: Richard L. Robinson IV

Phone: 48525511

Email: _____

Instructions: Write each goal and objective identified in the existing hazard mitigation plan. Use the comment boxes to provide feedback or to suggest modification of any of the proposed goals or objectives. You may suggest additional objectives below each goal, or new goals and objectives on the last page of this exercise.

Existing Goals and Objectives		Comments
Goal 1	Prevent hazards from impacting the community.	
Objective 1.A	Work with the municipalities to create and/or update land use regulations (e.g., zoning, subdivision, and land development).	
Objective 1.B	Complete and/or update stormwater management plans for all the watersheds in the County.	
Objective 1.C	Address areas of roadways that are vulnerable to hazard impacts.	
Goal 2	Protect the people, property, and environment in hazard areas.	
Objective 2.A	Examine property protection measures and their applicability to the community.	
Objective 2.B	Identify hazard areas in which property protection measures would be most effective.	



Existing Goals and Objectives		Comments
Goal 3	Maintain and enhance emergency services capabilities in the community.	
Objective 3.A	Ensure adequate communications capabilities among emergency response organizations.	
Objective 3.B	Continue to train municipal Emergency Management Coordinators on hazard protection and response.	
Objective 3.C	Ensure adequate water supply to fight urban and wildland fires.	
Goal 4	Protect natural resources within the hazard areas.	
Objective 4.A	Continue working with the Conservation District to ensure that the County's natural resources are protected.	
Objective 4.B	Maintain environmental education programs that the conservation and extension offices conduct, and perhaps create new ones.	
Goal 5	Ensure that stakeholder groups have necessary information to mitigate against hazard impacts.	
Objective 5.A	Continue StormReady program participation.	
Objective 5.B	Update and maintain the County Web site with current information from all departments.	
Objective 5.C	Maintain the linkage between the County GIS and tax assessment records to obtain information on condition, number of stories, and age of construction.	

Suggested Additional Goals and/or Objectives		Comments
Goal		
Objective		
Objective		
Objective		
Goal		
Objective		
Objective		
Objective		
Goal		
Objective		
Objective		
Objective		



Mitigation Action Plan Review Worksheet

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Existing Mitigation Action	Status				Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	
1.A.1: Conduct workshops and training for municipal officials on the benefits of land use regulations to protect new and existing structures and infrastructure.					
1.B.1: Create and maintain stormwater management plans for the County's watersheds.					
1.C.1: Redesign the Timber Ridge Road, Great Cove Road (US-522) intersection to provide adequate sight distance for motorists turning from Timber Ridge Road.					
1.C.2: Lower and slope the road bank at the intersection of Sipes Mill Road (SR 4001) and Palmer Road (T-383) to increase visibility when entering Sipes Mill Road.					
1.C.3: Replace three tiles on Johnstons Drive with one squash tile.					
1.C.4: Construct a bridge on Creek Road (T-388) in Licking Creek Township over the creek fording.					
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Mitigation Strategy 5-Year Mitigation Plan Review

Existing Mitigation Action	Status				Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	
1. C.8: Increase visibility at the intersection of State Route 643 and Spring Road.					
1. C.9: Increase visibility at the intersection of Stoney Break Road and Black Oak Road.					
1. C. 10: Increase visibility at the intersection of Buck Valley Road and Mays Chapel Road.					
2. A. 1: Obtain information on existing and proposed new structures in the areas with the highest relative vulnerability to determine the best property protection methods. The following information should be obtained: <ul style="list-style-type: none"> • Lowest-floor elevation • Number of stories • Presence of a basement • Market and/or replacement value 					
2. A.2: Obtain information for all existing and proposed new structures in the 1% chance floodplain to determine the best property protection methods to promote with individual property owners.					
2. A.3: Examine the effects of requiring anchor straps and improved roofing shingles on new and existing manufactured homes and residences of the County.					
2. B. 1: Establish a Firewise Program in the County, especially around the Meadow Grounds Lake, Cowans Gap State Park, and Breezewood Park.					
3. A. 1: Identify and apply for funding to enhance the County's radio system.					
3. A. 2: Identify and apply for funding to upgrade the County's emergency responders' radio equipment.					



Mitigation Strategy 5-Year Mitigation Plan Review

Existing Mitigation Action	Status					Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	Discontinued	
3.A.3: Identify and implement backup communications systems for emergency response organizations.						
3.B.1: Include hazard mitigation periodically as a topic in the Quarterly Emergency Management Coordinator Training session(s).						
3.C.1: Install dry hydrant locations along PA-655 to assist the Needmore Fire Company.						
4.A.1: Protect natural wetlands that may absorb floodwaters.						
4.A.2: Implement programs deemed necessary by the Conservation District.						
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5.A.1: Recruit SkyWarn Spotters in the County.						
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5.B.1: Seek relevant input from all departments during the pre-impact, impact, and post-impact phases of an emergency.						
5.C.1: Identify and fill gaps in information needed to conduct vulnerability analysis in hazard areas.						
5.C.2: Evaluate GIS and other software packages to find the ideal system for the County's use.						



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Point of Contact Name and Title: Richard L. Robinson IV

Phone: 48525511

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Existing Goals and Objectives		Comments
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Objective 1.A	Work with the municipalities to create and/or update land use regulations (e.g., zoning, subdivision, and land development).	
Objective 1.B	Complete and/or update stormwater management plans for all the watersheds in the County.	<u>done</u>
Objective 1.C	Address areas of roadways that are vulnerable to hazard impacts.	
Goal 2	Protect the people, property, and environment in hazard areas.	
Objective 2.A	Examine property protection measures and their applicability to the community.	
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Objective 3.A	Ensure adequate communications capabilities among emergency response organizations.	
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Suggested Additional Goals and/or Objectives		Comments
Goal		
Objective		
Objective		
Objective		
Goal		
Objective		
Objective		
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Objective		



Mitigation Action Plan Review Worksheet

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Existing Mitigation Action	Status				Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	
1.A.1: Conduct workshops and training for municipal officials on the benefits of land use regulations to protect new and existing structures and infrastructure.			X		
1.B.1: Create and maintain stormwater management plans for the County's watersheds.			X		
1.C.1: Redesign the Timber Ridge Road, Great Cove Road (US-522) intersection to provide adequate sight distance for motorists turning from Timber Ridge Road.			X		
1.C.2: Lower and slope the road bank at the intersection of Sipes Mill Road (SR 4001) and Palmer Road (T-383) to increase visibility when entering Sipes Mill Road.					
1.C.3: Replace three tiles on Johnstons Drive with one squash tile.					
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Mitigation Strategy 5-Year Mitigation Plan Review

Existing Mitigation Action	Status					Review Comments
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1. C. 8: Increase visibility at the intersection of State Route 643 and Spring Road.						
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1. C. 10: Increase visibility at the intersection of Buck Valley Road and Mays Chapel Road.						
2. A. 1: Obtain information on existing and proposed new structures in the areas with the highest relative vulnerability to determine the best property protection methods. The following information should be obtained: <ul style="list-style-type: none"> • Lowest-floor elevation • Number of stories • Presence of a basement • Market and/or replacement value 						
2. A. 2: Obtain information for all existing and proposed new structures in the 1% chance floodplain to determine the best property protection methods to promote with individual property owners.						
2. A. 3: Examine the effects of requiring anchor straps and improved roofing shingles on new and existing manufactured homes and residences of the County.						
2. B. 1: Establish a Firewise Program in the County, especially around the Meadow Grounds Lake, Cowans Gap State Park, and Brezewood Park.	X					
3. A. 1: Identify and apply for funding to enhance the County's radio system.						
3. A. 2: Identify and apply for funding to upgrade the County's emergency responders' radio equipment.						



Mitigation Strategy 5-Year Mitigation Plan Review

Existing Mitigation Action	Status					Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	Discontinued	
3.A.3: Identify and implement backup communications systems for emergency response organizations.						
3.B.1: Include hazard mitigation periodically as a topic in the Quarterly Emergency Management Coordinator Training session(s).			X			
3.C.1: Install dry hydrant locations along PA-655 to assist the Needmore Fire Company.						
4.A.1: Protect natural wetlands that may absorb floodwaters.						
4.A.2: Implement programs deemed necessary by the Conservation District.						
4.B.1: Coordinate with the conservation and extension offices to provide education and training to emergency responders, managers, and municipal officials.						
5.A.1: Recruit SkyWarn Spotters in the County.						
5.A.2: Encourage major employers and other facilities to participate in the subordinate StormReady programs.						
5.B.1: Seek relevant input from all departments during the pre-impact, impact, and post-impact phases of an emergency.						
5.C.1: Identify and fill gaps in information needed to conduct vulnerability analysis in hazard areas.						
5.C.2: Evaluate GIS and other software packages to find the ideal system for the County's use.						



Evaluation of Identified Hazards and Risk

Name: Murray Romig

Title: Roadmaster

Jurisdiction: Taylor

PART I

Identified Hazards 2010 HMP	How has the frequency of occurrence, magnitude of impact, and/or geographic extent changed in your community?		Additional Comments
	NC = No Change; I = Increase; D = Decrease		
	<i>(Please provide an explanation for any hazards marked I or D in the "Additional Comments" column)</i>		
Drought	N C		
Earthquakes	N C		
Environmental Hazards	N C		
Floods, Flash Floods, and Ice Jams	N C		
Hailstorms	N C		
Severe Wind Storms	N C		
Severe Winter Storms	N C		
Subsidence and Sinkholes	N C		
Transportation Hazards	N C		
Wildfires	N C		

PART II

Other Hazards:

Do any of these hazards, not previously profiled in the County's hazard mitigation plan; have the potential to affect your municipality significantly? (If so, please check the box)

Natural

- | | |
|--|--|
| <input type="checkbox"/> Avalanche/Glacier | <input type="checkbox"/> Landslides |
| <input type="checkbox"/> Coastal Erosion | <input type="checkbox"/> Lighting Strike |
| <input type="checkbox"/> Dust, Sand Storm | <input type="checkbox"/> Pandemic and Infectious Disease |
| <input type="checkbox"/> Expansive Soils | <input type="checkbox"/> Radon Exposure |
| <input type="checkbox"/> Extreme Temperature | <input type="checkbox"/> Tsunami |
| <input type="checkbox"/> Hurricane, Tropical Storm, Nor'easter | <input type="checkbox"/> Volcano |
| <input type="checkbox"/> Invasive Species | |

Human-Caused

- | | |
|---|--|
| <input type="checkbox"/> Building or Structure Collapse | <input type="checkbox"/> Fixed Nuclear Facility |
| <input type="checkbox"/> Civil Disturbance | <input type="checkbox"/> Levee Failure |
| <input type="checkbox"/> Dam Failures | <input type="checkbox"/> Nuclear Attack |
| <input type="checkbox"/> Disorientation | <input type="checkbox"/> Terrorism |
| <input type="checkbox"/> Drowning | <input type="checkbox"/> Urban Explosion |
| <input type="checkbox"/> Energy Emergencies | <input type="checkbox"/> Utility Interruption |
| <input type="checkbox"/> Fire | <input type="checkbox"/> War and Criminal Activity |

Other Comments:

[Empty rectangular box for comments]

Capability Assessment Survey

Jurisdiction: Frylor

Point of Contact Name and Title: Murray Romig Rodenas for

Phone: 814-685-3857

Email: _____

1. **Planning and Regulatory Capability:** Please indicate whether the following planning or regulatory tools and programs are currently in place or under development for your jurisdiction by placing an "X" in the appropriate box, followed by the date of adoption/update. Then, for each particular item in place, identify the department or agency responsible for its implementation and indicate it's estimated or anticipated effect on hazard loss reduction (Supports, Neutral or Hinders) with the appropriate symbol and also indicate if there has been a change in the ability of the tool/program to result in loss reduction. Finally, please provide additional comments or explanations in the space provided.

Tool / Program	Status In Place	Date Adopted or Updated	Under Develop- ment	Dept./Agency Responsible	Effect on Loss Reduction:			Change Since Last Plan:		Comments
					+ Support	O Neutral	- Hinder	+ Positive	- Negative	
<i>EXAMPLE: Hazard Mitigation Plan</i>	X	1/1/2006		Hazard County EMA	+			+	Interim update in 2008 revised mitigation strategy; completed one action.	
Hazard Mitigation Plan	X	8/2010		Fulton Co. Planning & EMA						
Emergency Operations Plan	X	6-30-09		Fulton Co. EMA						
Disaster Recovery Plan										
Evacuation Plan										
Continuity of Operations Plan										
NFIP	X	2-18-11								
NFIP – Community Rating System										
Floodplain Regulations (Spec. NFIP Flood Damage Prevention Ordinance)										
Floodplain Management Plan										



Tool / Program	In Place	Status Date Adopted or Updated	Under Development	Dept./Agency Responsible	Effect on Loss Reduction:		Change Since Last Plan:		Comments
					+ Support 0 Neutral - Hinder	+ Positive - Negative			
Zoning Regulations									
Subdivision Regulations	✓	2011		Township					
Comprehensive Land Use Plan (or General, Master or Growth Mgt. Plan)	✓	1/2007		Fulton Co. Planning					
Open Space Management Plan (or Parks/Rec or Greenways Plan)	✓	5/2007		Fulton Co. Planning					
Stormwater Management Plan / Ordinance	✓	2/2011		Fulton Co. Planning					
Natural Resource Protection Plan									
Capital Improvement Plan									
Economic Development Plan									
Historic Preservation Plan									
Farmland Preservation	X								
Building Code	✓								
Fire Code									
Firewise									
Storm Ready	✓	7-13-13		Fulton Co. OHA					
Other									



2. **Administrative and Technical Capability:** Please indicate whether your jurisdiction maintains the following staff members within its current personnel resources by placing an "X" in the appropriate box. Then, if YES, please identify the department or agency they work under and provide any other comments you may have in the space provided or with attachments.

Staff/Personnel Resources	Yes	No	Department/Agency	Comments
Planners (with land use / land development knowledge)				
Planners or engineers (with natural and/or human caused hazards knowledge)				
Engineers or professionals trained in building and/or infrastructure construction practices (includes building inspectors)	X		Keller Engineering	
Emergency Manager	X		Lisa McConahy	
NFIP Floodplain Administrator				
Land Surveyors				
Scientists or staff familiar with the hazards of the community				
Personnel skilled in Geographic Information Systems (GIS) and/or FEMA's HAZUS program				
Grant writers or fiscal staff to handle large/complex grants				
Staff with expertise or training in Benefit-Cost Analysis				
Other				

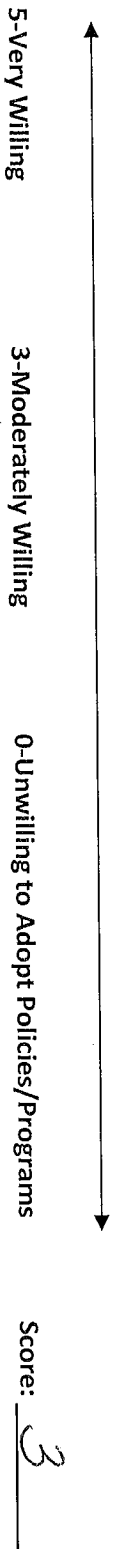


3. **Fiscal Capability:** Please indicate whether your jurisdiction has access to or is eligible to use the following local financial resources *for hazard mitigation purposes* (including as match funds for State of Federal mitigation grant funds). Then, identify the primary department or agency responsible for its administration or allocation and provide any other comments you may have in the space provided or with attachments.

Financial Resources	Yes	No	Department/Agency	Comments
Capital Improvement Programming		✓		
Community Development Block Grants (CDBG)		✓		
Special Purpose Taxes		✓		
Gas / Electric Utility Fees		✓		
Water / Sewer Fees		✓		
Stormwater Utility Fees		✓		
Development Impact Fees		✓		
General Obligation, Revenue, and/or Special Tax Bonds		✓		
Partnering Arrangements or Intergovernmental Agreements		✓		
Other				



4. **Community Political Capability:** Political capability in this instance is being measured by the degree to which local political leadership (including appointed boards) is willing to enact policies and programs that reduce hazard vulnerabilities in your community, even if met with some opposition. Examples may include guiding development away from identified hazard areas, restricting public investments or capital improvements within hazard areas, or enforcing local development standards that go beyond minimum State or Federal requirements (e.g., building codes, floodplain management, etc.). Rate the jurisdiction's political capability to enact policies and programs that reduce hazard vulnerabilities on a scale from 0 to 5. Generally, a higher the score corresponds to a higher degree of community political capability.



5. **Self-Assessment of Capability:** Please provide an approximate measure of your jurisdiction's capability to effectively implement hazard mitigation strategies to reduce hazard vulnerabilities. Using the following table, please place an "X" in the box marking the most appropriate degree of capability (Limited, Moderate or High) based upon best available information and the responses provided in Sections 1-5 of this survey. For multi-jurisdictional plans, record the results of this section into the Self-Assessment Capability Matrix in **Appendix 4**.

Area	Degree of Capability		
	Limited	Moderate	High
Planning and Regulatory Capability		X	
Administrative and Technical Capability		X	
Fiscal Capability	X		
Community Political Capability		X	
Community Resiliency Capability		X	



Mitigation Strategy 5-Year Mitigation Plan Review

Purpose: To fulfill requirement that plan maintenance from previous plan has been completed and to obtain early feedback from the local mitigation planning committee on the plan update to incorporate into the update process.

Instructions: Complete the *Goal and Objective Review Worksheet* and *Mitigation Action Plan Review Worksheet* on the next two pages keeping the following questions in mind:

- Do the goals, objectives, and actions address current and expected conditions?
- Go through each goal and objective to determine: Should goal be carried forward into updated plan? Should goal be changed based on current conditions in community? Should goal be discontinued and if so why?
- Progress on actions should be noted. For each action the following questions should be answered: What is status? What progress has been made? Should action be continued in updated plan? Should action be discontinued and if so why?
- Has the nature or magnitude of hazard risk changed?
- Are current resources adequate to implement the Plan?
- Should additional local resources be committed to address identified hazard threats?
- Are there any issues that have limited the current implementation schedule?
- Have the implementation of identified mitigation actions resulted in expected outcomes?
- Has the Mitigation Planning Committee measured the effectiveness of completed hazard mitigation projects in terms of specific dollar losses avoided?
- Did the jurisdictions, agencies and other partners participate in the plan implementation process as proposed?
- Other?

Before completing the worksheets, the group may wish to discuss the above questions in a round robin format, using a flip chart. The questions are standard questions; however it is important to check the existing hazard mitigation plan maintenance section to see if there are additional questions that need to be considered.



Goal and Objective Review Worksheet

Jurisdiction: Taylor

Point of Contact Name and Title: Murray Rovig, Roadmaster

Phone: 814-685-3859

Email: _____

Instructions: Write each goal and objective identified in the existing hazard mitigation plan. Use the comment boxes to provide feedback or to suggest modification of any of the proposed goals or objectives. You may suggest additional objectives below each goal, or new goals and objectives on the last page of this exercise.

Existing Goals and Objectives		Comments
Goal 1	Prevent hazards from impacting the community.	
Objective 1.A	Work with the municipalities to create and/or update land use regulations (e.g., zoning, subdivision, and land development).	
Objective 1.B	Complete and/or update stormwater management plans for all the watersheds in the County.	
Objective 1.C	Address areas of roadways that are vulnerable to hazard impacts.	
Goal 2	Protect the people, property, and environment in hazard areas.	
Objective 2.A	Examine property protection measures and their applicability to the community.	
Objective 2.B	Identify hazard areas in which property protection measures would be most effective.	

No changes



Existing Goals and Objectives		Comments
Goal 3	Maintain and enhance emergency services capabilities in the community.	
Objective 3.A	Ensure adequate communications capabilities among emergency response organizations.	
Objective 3.B	Continue to train municipal Emergency Management Coordinators on hazard protection and response.	
Objective 3.C	Ensure adequate water supply to fight urban and wildland fires.	
Goal 4	Protect natural resources within the hazard areas.	
Objective 4.A	Continue working with the Conservation District to ensure that the County's natural resources are protected.	
Objective 4.B	Maintain environmental education programs that the conservation and extension offices conduct, and perhaps create new ones.	
Goal 5	Ensure that stakeholder groups have necessary information to mitigate against hazard impacts.	
Objective 5.A	Continue StormReady program participation.	
Objective 5.B	Update and maintain the County Web site with current information from all departments.	
Objective 5.C	Maintain the linkage between the County GIS and tax assessment records to obtain information on condition, number of stories, and age of construction.	



Suggested Additional Goals and/or Objectives		Comments
Goal		
Objective		
Objective		
Objective		
Goal		
Objective		
Objective		
Objective		
Goal		
Objective		
Objective		
Objective		



Mitigation Action Plan Review Worksheet

Instructions: List each mitigation action from the existing hazard mitigation plan and identify its status as "No Progress / Unknown," "In Progress / Not Yet Complete," "Continuous," "Completed," or "Discontinued." Include review comments for each action.

Existing Mitigation Action	Status				Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	
1.A.1: Conduct workshops and training for municipal officials on the benefits of land use regulations to protect new and existing structures and infrastructure.					
1.B.1: Create and maintain stormwater management plans for the County's watersheds.					
1.C.1: Redesign the Timber Ridge Road, Great Cove Road (US-522) intersection to provide adequate sight distance for motorists turning from Timber Ridge Road.					
1.C.2: Lower and slope the road bank at the intersection of Sipes Mill Road (SR 4001) and Palmer Road (T-383) to increase visibility when entering Sipes Mill Road.					
1.C.3: Replace three tiles on Johnstons Drive with one squash tile.					
1.C.4: Construct a bridge on Creek Road (T-388) in Licking Creek Township over the creek fording.					
1.C.5: Replace the road tile on Back Hollow Road in Harrisonville.					
1.C.6: Increase visibility at the intersection of Great Cove Road (US-522) and Alpine Road.					
1.C.7: Increase visibility at the intersection of Great Cove Road (US-522) and Bethel Church Road.					



Mitigation Strategy 5-Year Mitigation Plan Review

Existing Mitigation Action	Status				Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	
1.C.8: Increase visibility at the intersection of State Route 643 and Spring Road.					
1.C.9: Increase visibility at the intersection of Stoney Break Road and Black Oak Road.					
1.C.10: Increase visibility at the intersection of Buck Valley Road and Mays Chapel Road.					
2.A.1: Obtain information on existing and proposed new structures in the areas with the highest relative vulnerability to determine the best property protection methods. The following information should be obtained: <ul style="list-style-type: none"> • Lowest-floor elevation • Number of stories • Presence of a basement • Market and/or replacement value 					
2.A.2: Obtain information for all existing and proposed new structures in the 1% chance floodplain to determine the best property protection methods to promote with individual property owners.					
2.A.3: Examine the effects of requiring anchor straps and improved roofing shingles on new and existing manufactured homes and residences of the County.					
2.B.1: Establish a Firewise Program in the County, especially around the Meadow Grounds Lake, Cowans Gap State Park, and Brezewood Park.					
3.A.1: Identify and apply for funding to enhance the County's radio system.					
3.A.2: Identify and apply for funding to upgrade the County's emergency responders' radio equipment.					



Mitigation Strategy 5-Year Mitigation Plan Review

Existing Mitigation Action	Status				Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	
3.A.3: Identify and implement backup communications systems for emergency response organizations.					
3.B.1: Include hazard mitigation periodically as a topic in the Quarterly Emergency Management Coordinator Training session(s).					
3.C.1: Install dry hydrant locations along PA-655 to assist the Needmore Fire Company.					
4.A.1: Protect natural wetlands that may absorb floodwaters.					
4.A.2: Implement programs deemed necessary by the Conservation District.					
4.B.1: Coordinate with the conservation and extension offices to provide education and training to emergency responders, managers, and municipal officials.					
5.A.1: Recruit SkyWarn Spotters in the County.					
5.A.2: Encourage major employers and other facilities to participate in the subordinate StormReady programs.					
5.B.1: Seek relevant input from all departments during the pre-impact, impact, and post-impact phases of an emergency.					
5.C.1: Identify and fill gaps in information needed to conduct vulnerability analysis in hazard areas.					
5.C.2: Evaluate GIS and other software packages to find the ideal system for the County's use.					



Evaluation of Identified Hazards and Risk

Name: ERIC RECKNER

Title: COORDINATOR

Jurisdiction: J. HOMPSON TWP

PART I

Identified Hazards 2010 HMP	How has the frequency of occurrence, magnitude of impact, and/or geographic extent changed in your community? <i>NC = No Change; I = Increase; D = Decrease</i> <i>(Please provide an explanation for any hazards marked I or D in the "Additional Comments" column)</i>	Additional Comments
Drought	N/C	
Earthquakes	N/C	
Environmental Hazards	N/C	UNTIL THE PIG FARM STARTS UP.
Floods, Flash Floods, and Ice Jams	N/C	
Hailstorms	N/C	
Severe Wind Storms	N/C	
Severe Winter Storms	N/C	
Subsidence and Sinkholes	N/C	
Transportation Hazards	N/C	
Wildfires	N/C	

PART II

Other Hazards:

Do any of these hazards, not previously profiled in the County's hazard mitigation plan; have the potential to affect your municipality significantly? (If so, please check the box)

Natural

- | | |
|--|--|
| <input type="checkbox"/> Avalanche/Glacier | <input type="checkbox"/> Landslides |
| <input type="checkbox"/> Coastal Erosion | <input type="checkbox"/> Lighting Strike |
| <input type="checkbox"/> Dust, Sand Storm | <input type="checkbox"/> Pandemic and Infectious Disease |
| <input type="checkbox"/> Expansive Soils | <input type="checkbox"/> Radon Exposure |
| <input type="checkbox"/> Extreme Temperature | <input type="checkbox"/> Tsunami |
| <input type="checkbox"/> Hurricane, Tropical Storm, Nor'easter | <input type="checkbox"/> Volcano |
| <input type="checkbox"/> Invasive Species | |

Human-Caused

- | | |
|--|--|
| <input checked="" type="checkbox"/> Building or Structure Collapse | <input type="checkbox"/> Fixed Nuclear Facility |
| <input type="checkbox"/> Civil Disturbance | <input type="checkbox"/> Levee Failure |
| <input checked="" type="checkbox"/> Dam Failures | <input type="checkbox"/> Nuclear Attack |
| <input type="checkbox"/> Disorientation | <input type="checkbox"/> Terrorism |
| <input type="checkbox"/> Drowning | <input type="checkbox"/> Urban Explosion |
| <input type="checkbox"/> Energy Emergencies | <input type="checkbox"/> Utility Interruption |
| <input checked="" type="checkbox"/> Fire | <input type="checkbox"/> War and Criminal Activity |

Other Comments:

[Empty rectangular box for comments]



Capability Assessment Survey

Jurisdiction: THOMPSON TWP Point of Contact Name and Title: ERIC B. RECKNER
 Phone: 217/294-3923/443-571-6770 Email: ERR189@AOL.COM

1. **Planning and Regulatory Capability:** Please indicate whether the following planning or regulatory tools and programs are currently in place or under development for your jurisdiction by placing an "X" in the appropriate box, followed by the date of adoption/update. Then, for each particular item in place, identify the department or agency responsible for its implementation and indicate its estimated or anticipated effect on hazard loss reduction (Supports, Neutral or Hinders) with the appropriate symbol and also indicate if there has been a change in the ability of the tool/program to result in loss reduction. Finally, please provide additional comments or explanations in the space provided.

Tool / Program	Status			Dept./Agency Responsible	Effect on Loss Reduction: + Support O Neutral - Hinder	Change Since Last Plan: + Positive - Negative	Comments
	In Place	Date Adopted or Updated	Under Development				
<i>EXAMPLE: Hazard Mitigation Plan</i>	X	01.09.06		Fulton County EMA			Interim update in 2008 reviewed mitigation strategy; completed mitigation
Hazard Mitigation Plan	X			FULTON CO EMA			
Emergency Operations Plan	X			"			
Disaster Recovery Plan	X			"			
Evacuation Plan	X			"			
Continuity of Operations Plan	X			"			
NFIP	X			"			
NFIP - Community Rating System							
Floodplain Regulations (spec. NFIP Flood Damage Prevention Ordinance)	X	2011		THOMPSON TWP			
Floodplain Management Plan	X	2009		"			



Capability Assessment Survey

Tool / Program	Status		Dept./Agency Responsible	Effect on Loss Reduction: + Support O Neutral - Hinder	Change Since Last Plan: + Positive - Negative	Comments
	In Place	Date Adopted or Updated				
Zoning Regulations	X		FULTON CO.			
Subdivision Regulations	X	2008	THOMPSON TWP			
Comprehensive Land Use Plan (or General, Master or Growth Mgt. Plan)	X	2011	THOMPSON TWP			
Open Space Management Plan (or Parks/Rec or Greenways Plan)	X	2011	THOMPSON TWP			
Stormwater Management Plan / Ordinance	X	2011	THOMPSON TWP			
Natural Resource Protection Plan	X		FULTON CO.			
Capital Improvement Plan	X		FULTON CO.			
Economic Development Plan	X		FULTON CO.			
Historic Preservation Plan	X		FULTON CO.			
Farmland Preservation	X		FULTON CO.			
Building Code	X		STATE CODE			
Fire Code	X		STATE CODE			
Firewise						
Storm Ready	X					
Other						



2. **Administrative and Technical Capability:** Please indicate whether your jurisdiction maintains the following staff members within its current personnel resources by placing an "X" in the appropriate box. Then, if YES, please identify the department or agency they work under and provide any other comments you may have in the space provided or with attachments.

Staff/Personnel Resources	Yes	No	Department/Agency	Comments
Planners (with land use / land development knowledge)	X			CONTRACT 2 TWP.
Planners or engineers (with natural and/or human caused hazards knowledge)	X			"
Engineers or professionals trained in building and/or infrastructure construction practices (includes building inspectors)	X		FULTON CO.	
Emergency Manager	X		FULTON CO.	
NFIP Floodplain Administrator	X		FULTON CO	
Land Surveyors	X			CONTRACT 2 TWP
Scientists or staff familiar with the hazards of the community	X		FULTON CO.	
Personnel skilled in Geographic Information Systems (GIS) and/or FEMA's HAZUS program				
Grant writers or fiscal staff to handle large/complex grants	X		FULTON CO.	
Staff with expertise or training in Benefit-Cost Analysis	X		FULTON CO.	
Other				

3. **Fiscal Capability:** Please indicate whether your jurisdiction has access to or is eligible to use the following local financial resources for *hazard mitigation purposes* (including as match funds for State of Federal mitigation grant funds). Then, identify the primary department or agency responsible for its administration or allocation and provide any other comments you may have in the space provided or with attachments.

Financial Resources	Yes	No	Department/Agency	Comments
Capital Improvement Programming				
Community Development Block Grants (CDBG)				
Special Purpose Taxes		X		
Gas / Electric Utility Fees		X		
Water / Sewer Fees		X		
Stormwater Utility Fees		X		
Development Impact Fees	X			
General Obligation, Revenue, and/or Special Tax Bonds	X			
Partnering Arrangements or Intergovernmental Agreements	X			
Other				



4. **Community Political Capability:** Political capability in this instance is being measured by the degree to which local political leadership (including appointed boards) is willing to enact policies and programs that reduce hazard vulnerabilities in your community, even if met with some opposition. Examples may include guiding development away from identified hazard areas, restricting public investments or capital improvements within hazard areas, or enforcing local development standards that go beyond minimum State or Federal requirements (e.g., building codes, floodplain management, etc.). Rate the jurisdiction's political capability to enact policies and programs that reduce hazard vulnerabilities on a scale from 0 to 5. Generally, a higher the score corresponds to a higher degree of community political capability.



5. **Self-Assessment of Capability:** Please provide an approximate measure of your jurisdiction's capability to effectively implement hazard mitigation strategies to reduce hazard vulnerabilities. Using the following table, please place an "X" in the box marking the most appropriate degree of capability (Limited, Moderate or High) based upon best available information and the responses provided in Sections 1-5 of this survey. For multi-jurisdictional plans, record the results of this section into the Self-Assessment Capability Matrix in Appendix 4.

Area	Degree of Capability		
	Limited	Moderate	High
Planning and Regulatory Capability			X
Administrative and Technical Capability			X
Fiscal Capability			X
Community Political Capability			X
Community Resiliency Capability			X

THOMPSON TWP.
ERIC B. RECKER

Mitigation Strategy 5-Year Mitigation Plan Review

Purpose: To fulfill requirement that plan maintenance from previous plan has been completed and to obtain early feedback from the local mitigation planning committee on the plan update to incorporate into the update process.

Instructions: Complete the *Goal and Objective Review Worksheet* and *Mitigation Action Plan Review Worksheet* on the next two pages keeping the following questions in mind:

- Do the goals, objectives, and actions address current and expected conditions?
- Go through each goal and objective to determine: Should goal be carried forward into updated plan? Should goal be changed based on current conditions in community? Should goal be discontinued and if so why?
- Progress on actions should be noted. For each action the following questions should be answered: What is status? What progress has been made? Should action be continued in updated plan? Should action be discontinued and if so why?
- Has the nature or magnitude of hazard risk changed?
- Are current resources adequate to implement the Plan?
- Should additional local resources be committed to address identified hazard threats?
- Are there any issues that have limited the current implementation schedule?
- Have the implementation of identified mitigation actions resulted in expected outcomes?
- Has the Mitigation Planning Committee measured the effectiveness of completed hazard mitigation projects in terms of specific dollar losses avoided?
- Did the jurisdictions, agencies and other partners participate in the plan implementation process as proposed?
- Other?

Before completing the worksheets, the group may wish to discuss the above questions in a round robin format, using a flip chart. The questions are standard questions; however it is important to check the existing hazard mitigation plan maintenance section to see if there are additional questions that need to be considered.



Goal and Objective Review Worksheet

Instructions: Write each goal and objective identified in the existing hazard mitigation plan. Use the comment boxes to provide feedback or to suggest modification of any of the proposed goals or objectives. You may suggest additional objectives below each goal, or new goals and objectives on the last page of this exercise.

Existing Goals and Objectives		Comments
Goal 1	Prevent hazards from impacting the community.	
Objective 1.A	Work with the municipalities to create and/or update land use regulations (e.g., zoning, subdivision, and land development).	
Objective 1.B	Complete and/or update stormwater management plans for all the watersheds in the County.	
Objective 1.C	Address areas of roadways that are vulnerable to hazard impacts.	
Goal 2	Protect the people, property, and environment in hazard areas.	
Objective 2.A	Examine property protection measures and their applicability to the community.	
Objective 2.B	Identify hazard areas in which property protection measures would be most effective.	



Existing Goals and Objectives		Comments
Goal 3	Maintain and enhance emergency services capabilities in the community.	
Objective 3.A	Ensure adequate communications capabilities among emergency response organizations.	
Objective 3.B	Continue to train municipal Emergency Management Coordinators on hazard protection and response.	
Objective 3.C	Ensure adequate water supply to fight urban and wildland fires.	
Goal 4	Protect natural resources within the hazard areas.	
Objective 4.A	Continue working with the Conservation District to ensure that the County's natural resources are protected.	
Objective 4.B	Maintain environmental education programs that the conservation and extension offices conduct, and perhaps create new ones.	
Goal 5	Ensure that stakeholder groups have necessary information to mitigate against hazard impacts.	
Objective 5.A	Continue StormReady program participation.	
Objective 5.B	Update and maintain the County Web site with current information from all departments.	
Objective 5.C	Maintain the linkage between the County GIS and tax assessment records to obtain information on condition, number of stories, and age of construction.	

Suggested Additional Goals and/or Objectives		Comments
Goal		
Objective		
Objective		
Objective		
Goal		
Objective		
Objective		
Objective		
Goal		
Objective		
Objective		
Objective		



Mitigation Action Plan Review Worksheet

Instructions: List each mitigation action from the existing hazard mitigation plan and identify its status as "No Progress / Unknown," "In Progress / Not Yet Complete," "Continuous," "Completed," or "Discontinued." Include review comments for each action.

Existing Mitigation Action	Status					Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	Discontinued	
1.A.1: Conduct workshops and training for municipal officials on the benefits of land use regulations to protect new and existing structures and infrastructure.			✓			
1.B.1: Create and maintain stormwater management plans for the County's watersheds.			✓			
1.C.1: Redesign the Timber Ridge Road, Great Cove Road (US-522) intersection to provide adequate sight distance for motorists turning from Timber Ridge Road.				✓		
1.C.2: Lower and slope the road bank at the intersection of Sipes Mill Road (SR 4001) and Palmer Road (T-383) to increase visibility when entering Sipes Mill Road.	✓					
1.C.3: Replace three tiles on Johnstons Drive with one squash tile.	✓					
1.C.4: Construct a bridge on Creek Road (T-388) in Licking Creek Township over the creek fording.	✓					
1.C.5: Replace the road tile on Back Hollow Road in Harrisonville.	✓					
1.C.6: Increase visibility at the intersection of Great Cove Road (US-522) and Alpine Road.	✓					
1.C.7: Increase visibility at the intersection of Great Cove Road (US-522) and Bethel Church Road.	✓					



Existing Mitigation Action	Status				Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	
1.C.8: Increase visibility at the intersection of State Route 643 and Spring Road.	✓				
1.C.9: Increase visibility at the intersection of Stoney Break Road and Black Oak Road.	✓				
1.C.10: Increase visibility at the intersection of Buck Valley Road and Mays Chapel Road.	✓				
2.A.1: Obtain information on existing and proposed new structures in the areas with the highest relative vulnerability to determine the best property protection methods. The following information should be obtained: <ul style="list-style-type: none"> • Lowest-floor elevation • Number of stories • Presence of a basement • Market and/or replacement value 			✓		
2.A.2: Obtain information for all existing and proposed new structures in the 1% chance floodplain to determine the best property protection methods to promote with individual property owners.			✓		
2.A.3: Examine the effects of requiring anchor straps and improved roofing shingles on new and existing manufactured homes and residences of the County.			✓		
2.B.1: Establish a Firewise Program in the County, especially around the Meadow Grounds Lake, Cowans Gap State Park, and Breezewood Park.			✓		
3.A.1: Identify and apply for funding to enhance the County's radio system.			✓		
3.A.2: Identify and apply for funding to upgrade the County's emergency responders' radio equipment.	✓				



Existing Mitigation Action	Status				Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	
3.A.3: Identify and implement backup communications systems for emergency response organizations.			✓		
3.B.1: Include hazard mitigation periodically as a topic in the Quarterly Emergency Management Coordinator Training session(s).			✓		
3.C.1: Install dry hydrant locations along PA-655 to assist the Needmore Fire Company.	✓				
4.A.1: Protect natural wetlands that may absorb floodwaters.	✓				
4.A.2: Implement programs deemed necessary by the Conservation District.			✓		
4.B.1: Coordinate with the conservation and extension offices to provide education and training to emergency responders, managers, and municipal officials.			✓		
5.A.1: Recruit SkyWarn Spotters in the County.			✓		
5.A.2: Encourage major employers and other facilities to participate in the subordinate StormReady programs.			✓		
5.B.1: Seek relevant input from all departments during the pre-impact, impact, and post-impact phases of an emergency.			✓		
5.C.1: Identify and fill gaps in information needed to conduct vulnerability analysis in hazard areas.			✓		
5.C.2: Evaluate GIS and other software packages to find the ideal system for the County's use.			✓		



Evaluation of Identified Hazards and Risk

Name: Maree Mellott

Title: Secretary

Jurisdiction: Todd

PART I

How has the frequency of occurrence, magnitude of impact, and/or geographic extent changed in your community?		
Identified Hazards 2010 HMP	NC = No Change; I = Increase; D = Decrease	Additional Comments
<i>(Please provide an explanation for any hazards marked I or D in the "Additional Comments" column)</i>		
Drought	NC	
Earthquakes	I	
Environmental Hazards	NC	
Floods, Flash Floods, and Ice Jams	NC	
Hailstorms	NC	
Severe Wind Storms	NC	
Severe Winter Storms	NC	
Subsidence and Sinkholes	NC	
Transportation Hazards	NC	
Wildfires	NC	

PART II

Other Hazards:

Do any of these hazards, not previously profiled in the County's hazard mitigation plan; have the potential to affect your municipality significantly? (If so, please check the box)

Natural

- | | |
|--|--|
| <input type="checkbox"/> Avalanche/Glacier | <input type="checkbox"/> Landslides |
| <input type="checkbox"/> Coastal Erosion | <input type="checkbox"/> Lighting Strike |
| <input type="checkbox"/> Dust, Sand Storm | <input type="checkbox"/> Pandemic and Infectious Disease |
| <input type="checkbox"/> Expansive Soils | <input type="checkbox"/> Radon Exposure |
| <input type="checkbox"/> Extreme Temperature | <input type="checkbox"/> Tsunami |
| <input checked="" type="checkbox"/> Hurricane, Tropical Storm, <u>Nor'easter</u> | <input type="checkbox"/> Volcano |
| <input type="checkbox"/> Invasive Species | |

Human-Caused

- | | |
|---|--|
| <input type="checkbox"/> Building or Structure Collapse | <input type="checkbox"/> Fixed Nuclear Facility |
| <input type="checkbox"/> Civil Disturbance | <input type="checkbox"/> Levee Failure |
| <input type="checkbox"/> Dam Failures | <input type="checkbox"/> Nuclear Attack |
| <input type="checkbox"/> Disorientation | <input type="checkbox"/> Terrorism |
| <input type="checkbox"/> Drowning | <input type="checkbox"/> Urban Explosion |
| <input type="checkbox"/> Energy Emergencies | <input type="checkbox"/> Utility Interruption |
| <input type="checkbox"/> Fire | <input type="checkbox"/> War and Criminal Activity |

Other Comments:

[Empty rectangular box for comments]

Capability Assessment Survey

Jurisdiction: Todd Township

Point of Contact Name and Title: Marcie Mellott, Secretary

Phone: (717) 987-3812

Email: hodd@townshipofcomcast.net

1. **Planning and Regulatory Capability:** Please indicate whether the following planning or regulatory tools and programs are currently in place or under development for your jurisdiction by placing an "X" in the appropriate box, followed by the date of adoption/update. Then, for each particular item in place, identify the department or agency responsible for its implementation and indicate its estimated or anticipated effect on hazard loss reduction (Supports, Neutral or Hinders) with the appropriate symbol and also indicate if there has been a change in the ability of the tool/program to result in loss reduction. Finally, please provide additional comments or explanations in the space provided.

Tool / Program	In Place	Date Adopted or Updated	Under Development	Dept./Agency Responsible	Effect on Loss Reduction:		Change Since Last Plan:	Comments
					+ Support O Neutral - Hinders	+ Positive - Negative		
EXAMPLE: Hazard Mitigation Plan	X	1/1/2006		Hazard County EMA	+			Interim update in 2008 revised mitigation strategy; completed one action.
Hazard Mitigation Plan	X	8/2010		Fulton Co. Planning & EMA				
Emergency Operations Plan	X	4/2012		Fulton Co. EMA				
Disaster Recovery Plan	N/A							
Evacuation Plan	N/A							
Continuity of Operations Plan								
NFIP	X	1/2000						
NFIP – Community Rating System	N/A							
Floodplain Regulations (Spec. NFIP Flood Damage Prevention Ordinance)	X			Fulton Co. Conservation				
Floodplain Management Plan	X			Fulton Co. Conservation				



Tool / Program	In Place	Status Date Adopted or Updated	Under Development	Dept./Agency Responsible	Effect on Loss Reduction:		Change Since Last Plan:		Comments
					+ Support O Neutral - Hinder	+ Positive - Negative			
Zoning Regulations	N/A								
Subdivision Regulations	X	10/2006		Twp. Fulton Co. Planning					
Comprehensive Land Use Plan (or General, Master or Growth Mgt. Plan)	X	1/2007		Fulton Co. Planning					
Open Space Management Plan (or Parks/Rec or Greenways Plan)	X	5/2007		Fulton Co. Planning					
Stormwater Management Plan / Ordinance	X	1/2011		Fulton Co. Planning					
Natural Resource Protection Plan	N/A								
Capital Improvement Plan	N/A								
Economic Development Plan	N/A								
Historic Preservation Plan	N/A								
Farmland Preservation	N/A								
Building Code	X	7/1/2001		CCIS					
Fire Code	N/A								
Firewise	N/A								
Storm Ready	X	9-13-13		Fulton Co. EMA					
Other									



2. **Administrative and Technical Capability:** Please indicate whether your jurisdiction maintains the following staff members within its current personnel resources by placing an "X" in the appropriate box. Then, if YES, please identify the department or agency they work under and provide any other comments you may have in the space provided or with attachments.

Staff/Personnel Resources	Yes	No	Department/Agency	Comments
Planners (with land use / land development knowledge)		X		
Planners or engineers (with natural and/or human caused hazards knowledge)		X		
Engineers or professionals trained in building and/or infrastructure construction practices (includes building inspectors)		X		
Emergency Manager	X		Volunteer Coordinator	
NFIP Floodplain Administrator		X		
Land Surveyors		X		
Scientists or staff familiar with the hazards of the community		X		
Personnel skilled in Geographic Information Systems (GIS) and/or FEMA's HAZUS program		X		
Grant writers or fiscal staff to handle large/complex grants		X	EMC	
Staff with expertise or training in Benefit-Cost Analysis	X		EMC	
Other				

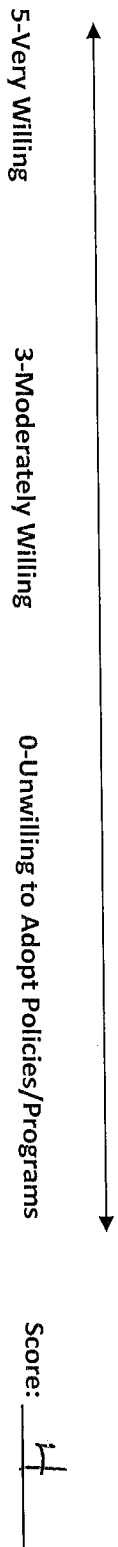


3. **Fiscal Capability:** Please indicate whether your jurisdiction has access to or is eligible to use the following local financial resources *for hazard mitigation purposes* (including as match funds for State of Federal mitigation grant funds). Then, identify the primary department or agency responsible for its administration or allocation and provide any other comments you may have in the space provided or with attachments.

Financial Resources	Yes	No	Department/Agency	Comments
Capital Improvement Programming		X		
Community Development Block Grants (CDBG)	X			Portions of the Tap. Eligible
Special Purpose Taxes		X		
Gas / Electric Utility Fees		X		
Water / Sewer Fees	X			Sewage treatment Fee for Knobsville
Stormwater Utility Fees		X		
Development Impact Fees		X		
General Obligation, Revenue, and/or Special Tax Bonds	X			when needed
Partnering Arrangements or Intergovernmental Agreements	X			County on Numerous
Other	X			Franchise Fee



4. **Community Political Capability:** Political capability in this instance is being measured by the degree to which local political leadership (including appointed boards) is willing to enact policies and programs that reduce hazard vulnerabilities in your community, even if met with some opposition. Examples may include guiding development away from identified hazard areas, restricting public investments or capital improvements within hazard areas, or enforcing local development standards that go beyond minimum State or Federal requirements (e.g., building codes, floodplain management, etc.). Rate the jurisdiction's political capability to enact policies and programs that reduce hazard vulnerabilities on a scale from 0 to 5. Generally, a higher the score corresponds to a higher degree of community political capability.



5. **Self-Assessment of Capability:** Please provide an approximate measure of your jurisdiction's capability to effectively implement hazard mitigation strategies to reduce hazard vulnerabilities. Using the following table, please place an "X" in the box marking the most appropriate degree of capability (limited, Moderate or High) based upon best available information and the responses provided in Sections 1-5 of this survey. For multi-jurisdictional plans, record the results of this section into the Self-Assessment Capability Matrix in **Appendix 4**.

Area	Degree of Capability		
	Limited	Moderate	High
Planning and Regulatory Capability		X	
Administrative and Technical Capability		X	
Fiscal Capability		X	
Community Political Capability		X	
Community Resiliency Capability		X	

Mitigation Strategy 5-Year Mitigation Plan Review

Purpose: To fulfill requirement that plan maintenance from previous plan has been completed and to obtain early feedback from the local mitigation planning committee on the plan update to incorporate into the update process.

Instructions: Complete the *Goal and Objective Review Worksheet* and *Mitigation Action Plan Review Worksheet* on the next two pages keeping the following questions in mind:

- Do the goals, objectives, and actions address current and expected conditions?
- Go through each goal and objective to determine: Should goal be carried forward into updated plan? Should goal be changed based on current conditions in community? Should goal be discontinued and if so why?
- Progress on actions should be noted. For each action the following questions should be answered: What is status? What progress has been made? Should action be continued in updated plan? Should action be discontinued and if so why?
- Has the nature or magnitude of hazard risk changed?
- Are current resources adequate to implement the Plan?
- Should additional local resources be committed to address identified hazard threats?
- Are there any issues that have limited the current implementation schedule?
- Have the implementation of identified mitigation actions resulted in expected outcomes?
- Has the Mitigation Planning Committee measured the effectiveness of completed hazard mitigation projects in terms of specific dollar losses avoided?
- Did the jurisdictions, agencies and other partners participate in the plan implementation process as proposed?
- Other?

Before completing the worksheets, the group may wish to discuss the above questions in a round robin format, using a flip chart. The questions are standard questions; however it is important to check the existing hazard mitigation plan maintenance section to see if there are additional questions that need to be considered.

Goal and Objective Review Worksheet

Jurisdiction: Todd

Point of Contact Name and Title: Marcie Mellott

Phone: (717) 987-2812

Email: todd.township@comcast.net

Instructions: Write each goal and objective identified in the existing hazard mitigation plan. Use the comment boxes to provide feedback or to suggest modification of any of the proposed goals or objectives. You may suggest additional objectives below each goal, or new goals and objectives on the last page of this exercise.

Existing Goals and Objectives		Comments
Goal 1	Prevent hazards from impacting the community.	
Objective 1.A	Work with the municipalities to create and/or update land use regulations (e.g., zoning, subdivision, and land development).	
Objective 1.B	Complete and/or update stormwater management plans for all the watersheds in the County.	
Objective 1.C	Address areas of roadways that are vulnerable to hazard impacts.	
Goal 2	Protect the people, property, and environment in hazard areas.	
Objective 2.A	Examine property protection measures and their applicability to the community.	
Objective 2.B	Identify hazard areas in which property protection measures would be most effective.	



Existing Goals and Objectives		Comments
Goal 3	Maintain and enhance emergency services capabilities in the community.	
Objective 3.A	Ensure adequate communications capabilities among emergency response organizations.	
Objective 3.B	Continue to train municipal Emergency Management Coordinators on hazard protection and response.	
Objective 3.C	Ensure adequate water supply to fight urban and wildland fires.	
Goal 4	Protect natural resources within the hazard areas.	
Objective 4.A	Continue working with the Conservation District to ensure that the County's natural resources are protected.	
Objective 4.B	Maintain environmental education programs that the conservation and extension offices conduct, and perhaps create new ones.	
Goal 5	Ensure that stakeholder groups have necessary information to mitigate against hazard impacts.	
Objective 5.A	Continue StormReady program participation.	
Objective 5.B	Update and maintain the County Web site with current information from all departments.	
Objective 5.C	Maintain the linkage between the County GIS and tax assessment records to obtain information on condition, number of stories, and age of construction.	



Suggested Additional Goals and/or Objectives		Comments
Goal		
Objective		
Objective		
Objective		
Goal		
Objective		
Objective		
Objective		
Goal		
Objective		
Objective		
Objective		



Mitigation Action Plan Review Worksheet

Instructions: List each mitigation action from the existing hazard mitigation plan and identify its status as "No Progress / Unknown," "In Progress / Not Yet Complete," "Continuous," "Completed," or "Discontinued." Include review comments for each action.

Existing Mitigation Action	Status				Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	
1.A.1: Conduct workshops and training for municipal officials on the benefits of land use regulations to protect new and existing structures and infrastructure.	Unknown				
1.B.1: Create and maintain stormwater management plans for the County's watersheds.				Completed	
1.C.1: Redesign the Timber Ridge Road, Great Cove Road (US-522) intersection to provide adequate sight distance for motorists turning from Timber Ridge Road.	Unknown				
1.C.2: Lower and slope the road bank at the intersection of Sipes Mill Road (SR 4001) and Palmer Road (T-383) to increase visibility when entering Sipes Mill Road.	Unknown				
1.C.3: Replace three tiles on Johnstons Drive with one squash tile.			Continuous		TUSD Engineer in Process of reviewing for dirt & gravel
1.C.4: Construct a bridge on Creek Road (T-388) in Licking Creek Township over the creek fording.	Unknown				
1.C.5: Replace the road tile on Back Hollow Road in Harrisonville.	Unknown				
1.C.6: Increase visibility at the intersection of Great Cove Road (US-522) and Alpine Road.	Unknown				
1.C.7: Increase visibility at the intersection of Great Cove Road (US-522) and Bethel Church Road.	Unknown				



Existing Mitigation Action	Status					Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	Discontinued	
1.C.8: Increase visibility at the intersection of State Route 643 and Spring Road.	Unknown					
1.C.9: Increase visibility at the intersection of Stoney Break Road and Black Oak Road.	Unknown					
1.C.10: Increase visibility at the intersection of Buck Valley Road and Mays Chapel Road.	Unknown					
2.A.1: Obtain information on existing and proposed new structures in the areas with the highest relative vulnerability to determine the best property protection methods. The following information should be obtained: <ul style="list-style-type: none"> • Lowest-floor elevation • Number of stories • Presence of a basement • Market and/or replacement value 	Unknown					
2.A.2: Obtain information for all existing and proposed new structures in the 1% chance floodplain to determine the best property protection methods to promote with individual property owners.	Unknown					
2.A.3: Examine the effects of requiring anchor straps and improved roofing shingles on new and existing manufactured homes and residences of the County.	Unknown					
2.B.1: Establish a Firewise Program in the County, especially around the Meadow Grounds Lake, Cowans Gap State Park, and Breezewood Park.	Unknown					
3.A.1: Identify and apply for funding to enhance the County's radio system.	Unknown					
3.A.2: Identify and apply for funding to upgrade the County's emergency responders' radio equipment.	Unknown					



Existing Mitigation Action	Status				Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	
3.A.3: Identify and implement backup communications systems for emergency response organizations.	Unknown				
3.B.1: Include hazard mitigation periodically as a topic in the Quarterly Emergency Management Coordinator Training session(s).	Unknown				
3.C.1: Install dry hydrant locations along PA-655 to assist the Needmore Fire Company.	Unknown				
4.A.1: Protect natural wetlands that may absorb floodwaters.	Unknown				
4.A.2: Implement programs deemed necessary by the Conservation District.	Unknown				
4.B.1: Coordinate with the conservation and extension offices to provide education and training to emergency responders, managers, and municipal officials.	Unknown				
5.A.1: Recruit SkyWarn Spotters in the County.	Unknown				
5.A.2: Encourage major employers and other facilities to participate in the subordinate StormReady programs.	Unknown				
5.B.1: Seek relevant input from all departments during the pre-impact, impact, and post-impact phases of an emergency.			Continuous		Fulton Co. E.M.A.
5.C.1: Identify and fill gaps in information needed to conduct vulnerability analysis in hazard areas.	Unknown				
5.C.2: Evaluate GIS and other software packages to find the ideal system for the County's use.	Unknown				



Evaluation of Identified Hazards and Risk

Name: Carolyn M. Wills

Title: Sec./Treas.

Jurisdiction: UNION TWP., FULTON CO.

PART I

Identified Hazards 2010 HMP	How has the frequency of occurrence, magnitude of impact, and/or geographic extent changed in your community?	
	NC = No Change; I = Increase; D = Decrease	Additional Comments
	<i>(Please provide an explanation for any hazards marked I or D in the "Additional Comments" column)</i>	
Drought		
Earthquakes		
Environmental Hazards		
Floods, Flash Floods, and Ice Jams		
Hailstorms		
Severe Wind Storms		
Severe Winter Storms		
Subsidence and Sinkholes		
Transportation Hazards		
Wildfires		



PART II

Other Hazards:

Do any of these hazards, not previously profiled in the County's hazard mitigation plan; have the potential to affect your municipality significantly? (If so, please check the box)

Natural

- | | |
|--|---|
| <input type="checkbox"/> Avalanche/Glacier | <input checked="" type="checkbox"/> Landslides (<i>Possible - I-70/Old 126</i>) |
| <input type="checkbox"/> Coastal Erosion | <input type="checkbox"/> Lighting Strike |
| <input type="checkbox"/> Dust, Sand Storm | <input type="checkbox"/> Pandemic and Infectious Disease |
| <input type="checkbox"/> Expansive Soils | <input type="checkbox"/> Radon Exposure |
| <input type="checkbox"/> Extreme Temperature | <input type="checkbox"/> Tsunami |
| <input type="checkbox"/> Hurricane, Tropical Storm, Nor'easter | <input type="checkbox"/> Volcano |
| <input type="checkbox"/> Invasive Species | |

Human-Caused

- | | |
|---|--|
| <input type="checkbox"/> Building or Structure Collapse | <input type="checkbox"/> Fixed Nuclear Facility |
| <input type="checkbox"/> Civil Disturbance | <input type="checkbox"/> Levee Failure |
| <input type="checkbox"/> Dam Failures | <input type="checkbox"/> Nuclear Attack |
| <input type="checkbox"/> Disorientation | <input type="checkbox"/> Terrorism |
| <input type="checkbox"/> Drowning | <input type="checkbox"/> Urban Explosion |
| <input type="checkbox"/> Energy Emergencies | <input type="checkbox"/> Utility Interruption |
| <input type="checkbox"/> Fire | <input type="checkbox"/> War and Criminal Activity |

Other Comments:

[Empty rectangular box for comments]

Capability Assessment Survey

Jurisdiction: UNION TWP, FULTON Co.

Point of Contact Name and Title: Arcelyn M. Willis, Sec./ Treas.

Phone: (717) 294-6251

Email: union-township@frontier.com

1. **Planning and Regulatory Capability:** Please indicate whether the following planning or regulatory tools and programs are currently in place or under development for your jurisdiction by placing an "X" in the appropriate box, followed by the date of adoption/update. Then, for each particular item in place, identify the department or agency responsible for its implementation and indicate it's estimated or anticipated effect on hazard loss reduction (Supports, Neutral or Hinders) with the appropriate symbol and also indicate if there has been a change in the ability of the tool/program to result in loss reduction. Finally, please provide additional comments or explanations in the space provided.

Tool / Program	In Place	Status Date Adopted or Updated	Under Development	Dept./Agency Responsible	Effect on Loss Reduction:			Change Since Last Plan:		Comments
					+ Support	0 Neutral	- Hinder	+ Positive	- Negative	
EXAMPLE: Hazard Mitigation Plan	X	1/1/2006		Hazard County EMA	+			+	Interim update in 2008 revised mitigation strategy; completed one action.	
Hazard Mitigation Plan	X	8/2010		County EMA Fulton Co. EMA						
Emergency Operations Plan	X	7/3012								
Disaster Recovery Plan										
Evacuation Plan										
Continuity of Operations Plan										
NFIP Floodplain Ordinance	X	2011								
NFIP - Community Rating System										
Floodplain Regulations (Spec. NFIP Flood Damage Prevention Ordinance)										
Floodplain Management Plan										



Tool / Program	In Place	Status Date Adopted or Updated	Under Development	Dept./Agency Responsible	Effect on Loss Reduction:			Change Since Last Plan:		Comments
					+ Support	0 Neutral	- Hinder	+ Positive	- Negative	
Zoning Regulations										
Subdivision Regulations	X	<i>Adopted 1982</i>								<i>(2011) Reviewed multi-municipal plan but believe never adopted</i>
Comprehensive Land Use Plan (or General, Master or Growth Mgt. Plan)	X	<i>1/2007</i>		<i>Fulton Co. Planning</i>						<i>Joint Plan</i>
Open Space Management Plan (or Parks/Rec or Greenways Plan)	X	<i>5/2007</i>								
Stormwater Management Plan / Ordinance	X	<i>2/2011</i>		<i>Fulton Co. Planning</i>						
Natural Resource Protection Plan										
Capital Improvement Plan										
Economic Development Plan										
Historic Preservation Plan										
Farmland Preservation	X									<i>Ag Security Areas Not been updated since 2005</i>
Building Code	X	<i>2003</i>		<i>Commonwealth Code Insp. Srv.</i>						<i>State Code</i>
Fire Code										
Firewise										
Storm Ready	X	<i>7-13-13</i>								
Other										



2. **Administrative and Technical Capability:** Please indicate whether your jurisdiction maintains the following staff members within its current personnel resources by placing an "X" in the appropriate box. Then, if YES, please identify the department or agency they work under and provide any other comments you may have in the space provided or with attachments.

Staff/Personnel Resources	Yes	No	Department/Agency	Comments
Planners (with land use / land development knowledge)	✓		<i>County</i>	
Planners or engineers (with natural and/or human caused hazards knowledge)				
Engineers or professionals trained in building and/or infrastructure construction practices (includes building inspectors)				
Emergency Manager	✓		<i>County / Emergency Management Coordinator (Virginia Palmer) Beth Stewart</i>	
NFIP Floodplain Administrator				
Land Surveyors				
Scientists or staff familiar with the hazards of the community				
Personnel skilled in Geographic Information Systems (GIS) and/or FEMA's HAZUS program				
Grant writers or fiscal staff to handle large/complex grants				
Staff with expertise or training in Benefit-Cost Analysis				
Other				

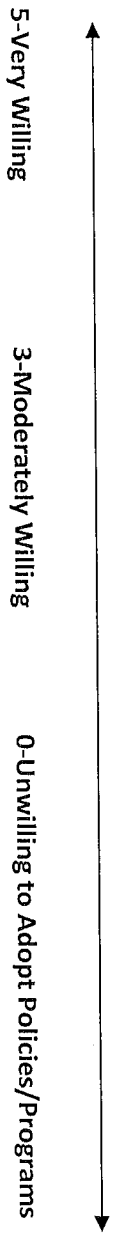


3. **Fiscal Capability:** Please indicate whether your jurisdiction has access to or is eligible to use the following local financial resources **for hazard mitigation purposes** (including as match funds for State of Federal mitigation grant funds). Then, identify the primary department or agency responsible for its administration or allocation and provide any other comments you may have in the space provided or with attachments.

Financial Resources	Yes	No	Department/Agency	Comments
Capital Improvement Programming				
Community Development Block Grants (CDBG)				
Special Purpose Taxes		✓	<i>Available if project Approved CDBG office (Karen Hann)</i>	<i>(Possibility) ?</i>
Gas / Electric Utility Fees		✓		
Water / Sewer Fees		✓		
Stormwater Utility Fees		✓		
Development Impact Fees		✓		
General Obligation, Revenue, and/or Special Tax Bonds		✓		
Partnering Arrangements or Intergovernmental Agreements				
Other				



4. **Community Political Capability:** Political capability in this instance is being measured by the degree to which local political leadership (including appointed boards) is willing to enact policies and programs that reduce hazard vulnerabilities in your community, even if met with some opposition. Examples may include guiding development away from identified hazard areas, restricting public investments or capital improvements within hazard areas, or enforcing local development standards that go beyond minimum State or Federal requirements (e.g., building codes, floodplain management, etc.). Rate the jurisdiction's political capability to enact policies and programs that reduce hazard vulnerabilities on a scale from 0 to 5. Generally, a higher the score corresponds to a higher degree of community political capability.



Score: 2 to 3
Limited Resources

5. **Self-Assessment of Capability:** Please provide an approximate measure of your jurisdiction's capability to effectively implement hazard mitigation strategies to reduce hazard vulnerabilities. Using the following table, please place an "X" in the box marking the most appropriate degree of capability (Limited, Moderate or High) based upon best available information and the responses provided in Sections 1-5 of this survey. For multi-jurisdictional plans, record the results of this section into the Self-Assessment Capability Matrix in **Appendix 4**.

Area	Degree of Capability		
	Limited	Moderate	High
Planning and Regulatory Capability	X		
Administrative and Technical Capability	X		
Fiscal Capability	X		
Community Political Capability	X		
Community Resiliency Capability	X		



Mitigation Strategy 5-Year Mitigation Plan Review

Purpose: To fulfill requirement that plan maintenance from previous plan has been completed and to obtain early feedback from the local mitigation planning committee on the plan update to incorporate into the update process.

Instructions: Complete the *Goal and Objective Review Worksheet* and *Mitigation Action Plan Review Worksheet* on the next two pages keeping the following questions in mind:

- Do the goals, objectives, and actions address current and expected conditions?
- Go through each goal and objective to determine: Should goal be carried forward into updated plan? Should goal be changed based on current conditions in community? Should goal be discontinued and if so why?
- Progress on actions should be noted. For each action the following questions should be answered: What is status? What progress has been made? Should action be continued in updated plan? Should action be discontinued and if so why?
- Has the nature or magnitude of hazard risk changed?
- Are current resources adequate to implement the Plan?
- Should additional local resources be committed to address identified hazard threats?
- Are there any issues that have limited the current implementation schedule?
- Have the implementation of identified mitigation actions resulted in expected outcomes?
- Has the Mitigation Planning Committee measured the effectiveness of completed hazard mitigation projects in terms of specific dollar losses avoided?
- Did the jurisdictions, agencies and other partners participate in the plan implementation process as proposed?
- Other?

Before completing the worksheets, the group may wish to discuss the above questions in a round robin format, using a flip chart. The questions are standard questions; however it is important to check the existing hazard mitigation plan maintenance section to see if there are additional questions that need to be considered.



Goal and Objective Review Worksheet

Jurisdiction:

Union Twp/Fulton Co.

Point of Contact Name and Title:

Carolyn M. Willis, Sec/Treas.

Phone:

(717) 294-6251

Email: union-township@frontier.com

Instructions: Write each goal and objective identified in the existing hazard mitigation plan. Use the comment boxes to provide feedback or to suggest modification of any of the proposed goals or objectives. You may suggest additional objectives below each goal, or new goals and objectives on the last page of this exercise.

Existing Goals and Objectives		Comments
Goal 1	Prevent hazards from impacting the community.	
Objective 1.A	Work with the municipalities to create and/or update land use regulations (e.g., zoning, subdivision, and land development).	
Objective 1.B	Complete and/or update stormwater management plans for all the watersheds in the County.	
Objective 1.C	Address areas of roadways that are vulnerable to hazard impacts.	<u>I 70/Old 126 Side Maintain dip in roadway (Old 126) by adding materials on a regular basis</u>
Goal 2	Protect the people, property, and environment in hazard areas.	
Objective 2.A	Examine property protection measures and their applicability to the community.	
Objective 2.B	Identify hazard areas in which property protection measures would be most effective.	



Existing Goals and Objectives		Comments
Goal 3	Maintain and enhance emergency services capabilities in the community.	
Objective 3.A	Ensure adequate communications capabilities among emergency response organizations.	
Objective 3.B	Continue to train municipal Emergency Management Coordinators on hazard protection and response.	
Objective 3.C	Ensure adequate water supply to fight urban and wildland fires.	
Goal 4	Protect natural resources within the hazard areas.	
Objective 4.A	Continue working with the Conservation District to ensure that the County's natural resources are protected.	
Objective 4.B	Maintain environmental education programs that the conservation and extension offices conduct, and perhaps create new ones.	
Goal 5	Ensure that stakeholder groups have necessary information to mitigate against hazard impacts.	
Objective 5.A	Continue StormReady program participation.	
Objective 5.B	Update and maintain the County Web site with current information from all departments.	
Objective 5.C	Maintain the linkage between the County GIS and tax assessment records to obtain information on condition, number of stories, and age of construction.	



Suggested Additional Goals and/or Objectives		Comments
Goal		
Objective	<i>Possibly update subdivisions regulations</i>	<i>Multi-municipal, update if available</i>
Objective		
Objective		
Goal		
Objective		
Objective		
Objective		
Goal		
Objective		
Objective		
Objective		



Mitigation Action Plan Review Worksheet

Instructions: List each mitigation action from the existing hazard mitigation plan and identify its status as "No Progress / Unknown," "In Progress / Not Yet Complete," "Continuous," "Completed," or "Discontinued." Include review comments for each action.

Existing Mitigation Action	Status				Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	
1.A.1: Conduct workshops and training for municipal officials on the benefits of land use regulations to protect new and existing structures and infrastructure.					
1.B.1: Create and maintain stormwater management plans for the County's watersheds.					
1.C.1: Redesign the Timber Ridge Road, Great Cove Road (US-522) intersection to provide adequate sight distance for motorists turning from Timber Ridge Road.					
1.C.2: Lower and slope the road bank at the intersection of Sipes Mill Road (SR 4001) and Palmer Road (T-383) to increase visibility when entering Sipes Mill Road.					
1.C.3: Replace three tiles on Johnstons Drive with one squash tile.					
1.C.4: Construct a bridge on Creek Road (T-388) in Licking Creek Township over the creek fording.					
1.C.5: Replace the road tile on Back Hollow Road in Harrisonville.					
1.C.6: Increase visibility at the intersection of Great Cove Road (US-522) and Alpine Road.					
1.C.7: Increase visibility at the intersection of Great Cove Road (US-522) and Bethel Church Road.					



Mitigation Strategy 5-Year Mitigation Plan Review

Existing Mitigation Action	Status				Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	
1.C.8: Increase visibility at the intersection of State Route 643 and Spring Road.					
1.C.9: Increase visibility at the intersection of Stoney Break Road and Black Oak Road.					
1.C.10: Increase visibility at the intersection of Buck Valley Road and Mays Chapel Road.					
2.A.1: Obtain information on existing and proposed new structures in the areas with the highest relative vulnerability to determine the best property protection methods. The following information should be obtained: <ul style="list-style-type: none"> • Lowest-floor elevation • Number of stories • Presence of a basement • Market and/or replacement value 					
2.A.2: Obtain information for all existing and proposed new structures in the 1% chance floodplain to determine the best property protection methods to promote with individual property owners.					
2.A.3: Examine the effects of requiring anchor straps and improved roofing shingles on new and existing manufactured homes and residences of the County.					
2.B.1: Establish a Firewise Program in the County, especially around the Meadow Grounds Lake, Cowans Gap State Park, and Brezewood Park.					
3.A.1: Identify and apply for funding to enhance the County's radio system.					
3.A.2: Identify and apply for funding to upgrade the County's emergency responders' radio equipment.					



Mitigation Strategy 5-Year Mitigation Plan Review

Existing Mitigation Action	Status				Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	
3.A.3: Identify and implement backup communications systems for emergency response organizations.					
3.B.1: Include hazard mitigation periodically as a topic in the Quarterly Emergency Management Coordinator Training session(s).					
3.C.1: Install dry hydrant locations along PA-655 to assist the Needmore Fire Company.					
4.A.1: Protect natural wetlands that may absorb floodwaters.					
4.A.2: Implement programs deemed necessary by the Conservation District.					
4.B.1: Coordinate with the conservation and extension offices to provide education and training to emergency responders, managers, and municipal officials.					
5.A.1: Recruit SkyWarn Spotters in the County.					
5.A.2: Encourage major employers and other facilities to participate in the subordinate StormReady programs.					
5.B.1: Seek relevant input from all departments during the pre-impact, impact, and post-impact phases of an emergency.					
5.C.1: Identify and fill gaps in information needed to conduct vulnerability analysis in hazard areas.					
5.C.2: Evaluate GIS and other software packages to find the ideal system for the County's use.					



Mitigation Action Worksheet

Municipality(ies):	Action
Union Township	Seek input from PennDOT as the slide remains under study.
Action Number:	Continue to pursue political channels for potential funding. Continuous maintenance of T-366 (Old 126)
Location (address, lat/long)	Amaranth Interchange of Interstate 70
Mitigation Technique Category	
Hazard(s) Addressed	Interstate 70/T-366 (Old 126) Slide Area
Priority (High, Medium, Low)	HIGH
Estimated Cost	1 million (+) (documented by PennDOT)
Potential Funding Streams	Political channels at state or federal levels
Timeline	On-going problem
Lead Agency/Department	Union Twp/Bethel Twp/PennDOT/Fulton Co. Conservation District
Support Agency(ies)/ Department(s)	
Project Point of Contact	
Name	Carolyn M. Wills
Title	Secretary/Treasurer
Agency/Department	Union Township
Phone	(717)294-6251
E-mail	union_township@frontier.com

*Reason Bethel Twp. and FCCD were listed

PennDOT obtained an Erosion and Sediment Control Plan from the Fulton Co. Conservation Office during construction at the slide site.

T-366 (Old 126) is located in both Union and Bethel Township. However, the slide area is located in Union Township.

The slide is causing T-366 (Old 126) to move down slope creating a significant dip in the roadway. The dip is maintained by adding slate and blacktop material.



*Referred to Imp. Road as T-404
Route is T-366 (Old 126)*

**Pennsylvania Department of Transportation
Engineering District 9-0**

Memo

To: Glenn Kephart, P.E.
From: Rick Miller
CC: Mike Ford, Municipal Services Supervisor
Union Township Supervisors
Date: 03/17/98
Re: T-404 Slide Repair in Union Township, Fulton County

*Mary K,
Just these
letters may
be helpful*

Carolyn

As per your request, I accompanied Mr. Mike Ford to a 9:00 AM meeting with Union Township officials regarding a slide problem on T-404. Officials present on behalf of Union Township were Mr. Marvin Oakman, Mr. Bruce Mann, and Mr. Neil Oakman. No other Department or public officials were in attendance. Collectively as a group, we toured the site, exchanged information history, and discussed potential alternatives to resolve the problem.

The slide area is located adjacent to the Amaranth Interchange of Interstate 70 and is part of the same slide problem that plagues the Eastbound on-ramp of Interstate 70. While the Department has tried unsuccessfully on occasion to correct the slide affecting Interstate 70, the township likewise has been continuously trying to maintain approximately 100 lineal feet of T-404, as a minimum, on a weekly basis. While the township has been lacking in documenting their efforts of actual costs in the form of manhours and materials, they have indicated that it has had a significant impact on their budget.

This slide encompasses a large area on the end of Sideling Hill that was removed to accommodate the alignment and construction of Interstate 70 in the 1960's-70's. T-404 before that was the main thoroughfare for this area. Officials indicated that a large spring or a small pond exists on the area above the slide. It is apparent that ground water is the significant contributor to this continuing problem. A field view of the area above and below T-404 indicated numerous surface fractures of the soil surface from the unstable saturated soil structure that exists in that area. The slides, when they do occur, are moving everything, including large trees and T-404, down slope. While the trees and vegetation slow the slide progression, it is not sufficient to re-establish itself and hold it in place. Our geo-technical unit does have this slide currently under study.

Township officials queried the Department's failure to address the slide during it's recent rehabilitation project, S.R. 0070 Section 009. During the design phase of S.R. 0070 Section 009, designers did point out the slide problem area to their supervisors as to whether to include this work within that particular contract. The designers were directed at that time not to include the work in that contract as it would be addressed within a future large scale rehabilitation contract of Interstate 70. As to a tentative date for this project, it is unclear. It is anticipated that repair costs to be included for estimate

purposes would be approximately one million dollars for repair of the slide. As to whether that cost and the scope of work for slide repair includes T-404 in conjunction with that project remains unclear

Township officials indicated their liquid fuels allocations at \$64,000 out of a total overall budget of \$100,000 annually. A comparable slide repair project in 1995, S.R. 0219 Section 11M, north of Meyersdale, Somerset County, cost the Department approximately \$410,000. A similar project let in 1998 may cost in upwards of \$450,000. These costs far exceed what the Township may be able to afford to attempt correcting the slide on their own.

Potential alternatives to examine in the project include, but are not limited to, the following:

1. Emergency repair of the slide as constructed on S.R. 0219 Section 11M in Meyersdale
2. Abandonment of the portion T-404 from S.R. 0731 to T-333 in Bethel Township.
3. Continue maintenance of T-404 as needed and repair the slide under the next Interstate 70 rehabilitation project.
4. Do nothing and continue as "status quo".

Sources of potential funding outside of Union Township's coffers may include revenue enhancement monies to funding secured through political channels at state and/or federal levels.

My recommendation would be to construct a slide repair as was done for S.R. 0219 Section 11M in Meyersdale. While this solution may or may not be the correct long term solution to a large slide such as this, it would once again provide a quicker safer traversable solution to this public corridor than currently exists today during which this slide area continues to be under study.

If you have any further questions or concerns related to this matter, please do not hesitate to contact me at your earliest convenience.

US-2 (4-01)

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATIONwww.dot.state.pa.us
1620 North Juniata Street
Hollidaysburg, PA 16648
January 14, 2002*Submitted
on Original
01-14-02*

Union Township Supervisors
Carolyn M. Wills
Union Township 29210
1296 McKibbin Lane
Warfordsburg, PA 17267

Gentlemen:

As you are aware, a slope stability problem has plagued the I-70 Amaranth Interchange, along the southbound "on-ramp" acceleration lane, for many years. This results from an ongoing landslide that exists between I-70 and your Township Road #366. Many slope debris cleanup projects over the years have led to a proposed remediation of the slowly creeping slide mass that is the cause of the problem. You have previously expressed concern that fixing the I-70 problem should also, in all fairness, include fixing the subsidence problem along your Township Road #366.


The proposed remediation consists of a drainage scheme that uses large diameter drilled shafts of sufficient depth to reach low water levels above the slide mass, evenly spaced along the back side of the township road in the shoulder drainage swale. These will be connected to horizontally-drilled small diameter drains, which will be constructed to intersect the vertical wells. All these drains will be connected to a combination surface/sub-surface pipe and ditch system to be constructed on the Game lands property between the township road and I-70. This scheme was reviewed on December 5, 2001 at the site with you and Glenn Keiper of the Pennsylvania Department of Transportation, Engineering District 9-0 office, at which time you received a copy of the proposed plan for your review. As explained, the Pennsylvania Game Commission has also been given the plan and asked for their review and permission to enter on the game lands for the work. As discussed, traffic control will be part of the contractor's operations, with traffic control during day operations and open traffic flow during non-work hours.

If the plans and proposed project are acceptable to you, would you please return a copy of this letter noting your approval and/or signature as acceptable to complete the indicated work along the township road.

If you have any further questions and/or comments, please feel free to contact our office, through Mike Ford, Municipal Services Supervisor, (814) 696-7221 or Glenn Keiper, Geotechnical Engineer, (814) 696-7225.

With your cooperation, we look forward to resolving this troublesome slide condition.

Sincerely,

for 
Earl L. Neiderhiser, P.E.
District Engineer
Engineering District, 9-0

J. Marie Decker *Rendmont 2/18/2002*
Signature Date

Evaluation of Identified Hazards and Risk

Name: Duane Souders
KARLOE BARTON
 Jurisdiction: Wells Township

Title: VICE-CHAIR
SECRETARY

PART I

How has the frequency of occurrence, magnitude of impact, and/or geographic extent changed in your community? Identified Hazards 2010 HMP NC = No Change; I = Increase; D = Decrease Additional Comments (Please provide an explanation for any hazards marked I or D in the "Additional Comments" column)		
Drought	NC	
Earthquakes	NC	
Environmental Hazards	NC	
Floods, Flash Floods, and Ice Jams	NC	
Hailstorms	NC	
Severe Wind Storms	NC	
Severe Winter Storms	NC	
Subsidence and Sinkholes	NC	
Transportation Hazards	NC	
Wildfires	NC	



PART II

Other Hazards:

Do any of these hazards, not previously profiled in the County's hazard mitigation plan; have the potential to affect your municipality significantly? (If so, please check the box)

Natural

- | | |
|--|--|
| <input type="checkbox"/> Avalanche/Glacier | <input type="checkbox"/> Landslides |
| <input type="checkbox"/> Coastal Erosion | <input type="checkbox"/> Lighting Strike |
| <input type="checkbox"/> Dust, Sand Storm | <input type="checkbox"/> Pandemic and Infectious Disease |
| <input type="checkbox"/> Expansive Soils | <input type="checkbox"/> Radon Exposure |
| <input type="checkbox"/> Extreme Temperature | <input type="checkbox"/> Tsunami |
| <input type="checkbox"/> Hurricane, Tropical Storm, Nor'easter | <input type="checkbox"/> Volcano |
| <input type="checkbox"/> Invasive Species | |

Human-Caused

- | | |
|---|--|
| <input type="checkbox"/> Building or Structure Collapse | <input type="checkbox"/> Fixed Nuclear Facility |
| <input type="checkbox"/> Civil Disturbance | <input type="checkbox"/> Levee Failure |
| <input type="checkbox"/> Dam Failures | <input type="checkbox"/> Nuclear Attack |
| <input type="checkbox"/> Disorientation | <input type="checkbox"/> Terrorism |
| <input type="checkbox"/> Drowning | <input type="checkbox"/> Urban Explosion |
| <input type="checkbox"/> Energy Emergencies | <input type="checkbox"/> Utility Interruption |
| <input type="checkbox"/> Fire | <input type="checkbox"/> War and Criminal Activity |



Other Comments:

[Empty rectangular box for comments]



Capability Assessment Survey

Jurisdiction: Wells Township

Point of Contact Name and Title: DANNE SONDERS

Phone: 614-665-0383

Email: wells@wells-twp.org

1. Planning and Regulatory Capability: Please indicate whether the following planning or regulatory tools and programs are currently in place or under development for your jurisdiction by placing an "X" in the appropriate box, followed by the date of adoption/update. Then, for each particular item in place, identify the department or agency responsible for its implementation and indicate it's estimated or anticipated effect on hazard loss reduction (Supports, Neutral or Hinders) with the appropriate symbol and also indicate if there has been a change in the ability of the tool/program to result in loss reduction. Finally, please provide additional comments or explanations in the space provided.

Tool / Program	Status Date Adopted or Updated	Under Develop- ment	Dept./Agency Responsible	Effect on Loss		Change Since Last Plan:	Comments
				+ Support 0 Neutral - Hinder	+ Positive - Negative		
EXAMPLE: Hazard Mitigation Plan	X	1/1/2006	Hazard County EMA	+	+	Interim update in 2008 revised mitigation strategy; completed one action.	
Hazard Mitigation Plan	X	8/2010					
Emergency Operations Plan	X	8/01/08					
Disaster Recovery Plan							
Evacuation Plan							
Continuity of Operations Plan							
NFIP	X	2/18/11					
NFIP -- Community Rating System							
Floodplain Regulations (spec. NFIP Flood Damage Prevention Ordinance)							
Floodplain Management Plan							



Capability Assessment Survey

Tool / Program	Status In Place	Date Adopted or Updated	Under Develop- ment	Dept./Agency Responsible	Effect on Loss Reduction:		Change Since Last Plan:		Comments
					+ Support 0 Neutral - Hinder		+ Positive - Negative		
Zoning Regulations									
Subdivision Regulations	X	1999							
Comprehensive Land Use Plan (or General, Master or Growth Mgt. Plan)	X	2007							
Open Space Management Plan (or Parks/Rec or Greenways Plan)	X	2007							
Stormwater Management Plan / Ordinance	X	2/17/11							
Natural Resource Protection Plan									
Capital Improvement Plan									
Economic Development Plan									
Historic Preservation Plan									
Farmland Preservation									
Building Code	X			CCIS					
Fire Code									
Firewise									
Storm Ready	X	7-13-13							
Other									

2. **Administrative and Technical Capability:** Please indicate whether your jurisdiction maintains the following staff members within its current personnel resources by placing an "X" in the appropriate box. Then, if YES, please identify the department or agency they work under and provide any other comments you may have in the space provided or with attachments.

Staff/Personnel Resources	Yes	No	Department/Agency	Comments
Planners (with land use / land development knowledge)		✓		
Planners or engineers (with natural and/or human caused hazards knowledge)		✓		
Engineers or professionals trained in building and/or infrastructure construction practices (includes building inspectors)		✓		
Emergency Manager	✓		Rolla Street	
NFIP Floodplain Administrator		✓		
Land Surveyors		✓		
Scientists or staff familiar with the hazards of the community		✓		
Personnel skilled in Geographic Information Systems (GIS) and/or FEMA's HAZUS program		✓		
Grant writers or fiscal staff to handle large/complex grants		✓		
Staff with expertise or training in Benefit-Cost Analysis		✓		
Other		✓		



3. **Fiscal Capability:** Please indicate whether your jurisdiction has access to or is eligible to use the following local financial resources *for hazard mitigation purposes* (including as match funds for State of Federal mitigation grant funds). Then, identify the primary department or agency responsible for its administration or allocation and provide any other comments you may have in the space provided or with attachments.

Financial Resources	Yes	No	Department/Agency	Comments
Capital Improvement Programming		✓		
Community Development Block Grants (CDBG)		✓		
Special Purpose Taxes		✓		
Gas / Electric Utility Fees		✓		
Water / Sewer Fees		✓		
Stormwater Utility Fees		✓		
Development Impact Fees		✓		
General Obligation, Revenue, and/or Special Tax Bonds		✓		
Partnering Arrangements or Intergovernmental Agreements		✓		
Other		✓		

4. **Community Political Capability:** Political capability in this instance is being measured by the degree to which local political leadership (including appointed boards) is willing to enact policies and programs that reduce hazard vulnerabilities in your community, even if met with some opposition. Examples may include guiding development away from identified hazard areas, restricting public investments or capital improvements within hazard areas, or enforcing local development standards that go beyond minimum State or Federal requirements (e.g., building codes, floodplain management, etc.). Rate the jurisdiction's political capability to enact policies and programs that reduce hazard vulnerabilities on a scale from 0 to 5. Generally, a higher the score corresponds to a higher degree of community political capability.



5-Very Willing 3-Moderately Willing 0-Unwilling to Adopt Policies/Programs Score: 3



5. **Self-Assessment of Capability:** Please provide an approximate measure of your jurisdiction's capability to effectively implement hazard mitigation strategies to reduce hazard vulnerabilities. Using the following table, please place an "X" in the box marking the most appropriate degree of capability (Limited, Moderate or High) based upon best available information and the responses provided in Sections 1-5 of this survey. For multi-jurisdictional plans, record the results of this section into the Self-Assessment Capability Matrix in Appendix 4.

Area	Degree of Capability		
	Limited	Moderate	High
Planning and Regulatory Capability		X	
Administrative and Technical Capability		X	
Fiscal Capability	X		
Community Political Capability		X	
Community Resiliency Capability		X	



Mitigation Strategy 5-Year Mitigation Plan Review

Purpose: To fulfill requirement that plan maintenance from previous plan has been completed and to obtain early feedback from the local mitigation planning committee on the plan update to incorporate into the update process.

Instructions: Complete the *Goal and Objective Review Worksheet* and *Mitigation Action Plan Review Worksheet* on the next two pages keeping the following questions in mind:

- Do the goals, objectives, and actions address current and expected conditions?
- Go through each goal and objective to determine: Should goal be carried forward into updated plan? Should goal be changed based on current conditions in community? Should goal be discontinued and if so why?
- Progress on actions should be noted. For each action the following questions should be answered: What is status? What progress has been made? Should action be continued in updated plan? Should action be discontinued and if so why?
- Has the nature or magnitude of hazard risk changed?
- Are current resources adequate to implement the Plan?
- Should additional local resources be committed to address identified hazard threats?
- Are there any issues that have limited the current implementation schedule?
- Have the implementation of identified mitigation actions resulted in expected outcomes?
- Has the Mitigation Planning Committee measured the effectiveness of completed hazard mitigation projects in terms of specific dollar losses avoided?
- Did the jurisdictions, agencies and other partners participate in the plan implementation process as proposed?
- Other?

Before completing the worksheets, the group may wish to discuss the above questions in a round robin format, using a flip chart. The questions are standard questions; however it is important to check the existing hazard mitigation plan maintenance section to see if there are additional questions that need to be considered.

Goal and Objective Review Worksheet

Jurisdiction:

Wells Twp.

Point of Contact Name and Title:

DANE SANDERS

Phone:

814-685-3883

Email:

WellsTwp@Delawarebb.net

Instructions: Write each goal and objective identified in the existing hazard mitigation plan. Use the comment boxes to provide feedback or to suggest modification of any of the proposed goals or objectives. You may suggest additional objectives below each goal, or new goals and objectives on the last page of this exercise.

Existing Goals and Objectives		Comments
Goal 1	Prevent hazards from impacting the community.	
Objective 1.A	Work with the municipalities to create and/or update land use regulations (e.g., zoning, subdivision, and land development).	
Objective 1.B	Complete and/or update stormwater management plans for all the watersheds in the County.	
Objective 1.C	Address areas of roadways that are vulnerable to hazard impacts.	
Goal 2	Protect the people, property, and environment in hazard areas.	
Objective 2.A	Examine property protection measures and their applicability to the community.	
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Existing Goals and Objectives		Comments
Goal 3	Maintain and enhance emergency services capabilities in the community.	
Objective 3.A	Ensure adequate communications capabilities among emergency response organizations.	
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Objective 5.A	Continue StormReady program participation.	
Objective 5.B	Update and maintain the County Web site with current information from all departments.	
Objective 5.C	Maintain the linkage between the County GIS and tax assessment records to obtain information on condition, number of stories, and age of construction.	



Suggested/Additional Goals and/or Objectives		Requirements
Goal	<i>Update Subdivision Regulation</i>	
Objective		
Objective		
Objective		
Goal		
Objective		
Objective		
Objective		
Goal		
Objective		
Objective		
Objective		

Mitigation Action Plan Review Worksheet

Instructions: List each mitigation action from the existing hazard mitigation plan and identify its status as "No Progress / Unknown," "In Progress / Not Yet Complete," "Continuous," "Completed," or "Discontinued." Include review comments for each action.

Existing Mitigation Action	Status					Review Comments
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Mitigation Strategy 5-Year Mitigation Plan Review

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2.A.2: Obtain information for all existing and proposed new structures in the 1% chance floodplain to determine the best property protection methods to promote with individual property owners.						
2.A.3: Examine the effects of requiring anchor straps and improved roofing shingles on new and existing manufactured homes and residences of the County.						
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3.A.1: Identify and apply for funding to enhance the County's radio system.						
3.A.2: Identify and apply for funding to upgrade the County's emergency responders' radio equipment.						



Mitigation Strategy 5-Year Mitigation Plan Review

Existing Mitigation Action	Status				Review Comments
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4.A.2: Implement programs deemed necessary by the Conservation District.					
4.B.1: Coordinate with the conservation and extension offices to provide education and training to emergency responders, managers, and municipal officials.					
5.A.1: Recruit SkyWarn Spotters in the County.					
5.A.2: Encourage major employers and other facilities to participate in the subordinate StormReady programs.					
5.B.1: Seek relevant input from all departments during the pre-impact, impact, and post-impact phases of an emergency.					
5.C.1: Identify and fill gaps in information needed to conduct vulnerability analysis in hazard areas.					
5.C.2: Evaluate GIS and other software packages to find the ideal system for the County's use.					



February 16, 2015

Prepared for Mary Kay Seville, Fulton County Planning Commission, during updating the Hazard Mitigation Plan for 2015. Propose including in the list of Hazards of Concern a classification to include CAFO (Confined Animal Feeding Operation).

Information provided for evaluation of identified Public Health Hazard and Risk for CAFO:

Increased incidence of community-acquired infections with Methicillin-resistant Staphylococcus aureus (MRSA) when living in proximity to high-density livestock production (Concentrated Animal Feeding Operations – CAFOs) fields fertilized with swine manure.

Exposure to pig farms and manure fertilizers associated with MRSA infections

<http://www.sciencedaily.com/releases/2013/09/130916103354.htm>

Source: Science Daily

Exposure to Pig Farms and Manure Fertilizers Associated with MRSA Infections

<http://www.jhsph.edu/news/news-releases/2013/casey-schwartz-mrsa.html>

Source: Johns Hopkins School of Public Health

High-Density Livestock Production and Molecularly Characterized MRSA Infections in Pennsylvania

<http://ehp.niehs.nih.gov/wp-content/uploads/122/2/ehp.1307370.pdf>

Source: Environmental Health Perspectives, National Institute of Environmental Health Sciences, National Institute of Health

Antibiotic Resistance Threats from Swine CAFOs do not come only from the land application of swine manure with its effect on the water, air, and soil. There is a threat from Insect Vectors.

Superbugs from Swine? Antibiotic-Resistant Bacteria Found in Flies, Roaches on Hog Farms

<https://news.ncsu.edu/2011/01/014mkschalantibiotic/>

Source: North Carolina State University

Insects in confined swine operations carry a large antibiotic resistant and potentially virulent enterococcal community

<http://www.biomedcentral.com/1471-2180/11/23>

Source: BMC Microbiology

Antibiotic Resistance Threats from Swine CAFOs also affect the factory workers, who carry MRSA to their families and into the community.

TAKING A HEALTH HAZARD HOME

www.nytimes.com/2014/09/16/science/study-finds-pork-workers-retain-bacteria-for-days.html

Source: NYTimes.com

Factory Farms May Be Ground-Zero For Drug Resistant Staph Bacteria

<http://www.smithsonianmag.com/science-nature/factory-farms-may-be-ground-zero-for-drug-resistant-staph-bacteria-6055013/>

Source: Smithsonian.com

Methicillin-Resistant Staphylococcus aureus (MRSA) is caused by strains of bacteria that have developed resistance to a number of widely used antibiotics. Staph is a common bacteria which occurs on the human body; healthy people can carry staph. The problem comes when the bacteria enters the body. If it is a strain of staph that is resistant to antibiotics that once destroyed it, MRSA, then it may be resistant to methicillin, amoxicillin, penicillin, oxacillin and many other antibiotics.

Public health experts have warned MRSA is constantly adapting, and while some antibiotics are still effective, development of new antibiotics is not keeping pace.

Addressing the seriousness and severity of the threat to public health posed by MRSA, The President of the United States signed an Executive Order dated September 18, 2014, releasing the five-year plan National Strategy For Combating Antibiotic Resistant Bacteria.

National Strategy – Index from Centers for Disease Control and Prevention, U.S, Department of Health and Human Services

<http://www.cdc.gov/drugresistance/national-strategy/index.html>

National Strategy for Combating Antibiotic Resistance

http://www.whitehouse.gov/sites/default/files/docs/carb_national_strategy.pdf

Source: Whitehouse.gov

ANTIBIOTIC RESISTANCE THREATS in the United States, 2013

<http://www.cdc.gov/drugresistance/pdf/ar-threats-2013-508.pdf>

Source: Centers for Disease Control and Prevention, U.S. Department of Health and Human Services

Transferable Vancomycin Resistance in a Community-Associated MRSA Lineage

<http://www.nejm.org/doi/pdf/10.1056/NEJMoa1303359>

Source: *The NEW ENGLAND JOURNAL of MEDICINE*

"New MRSA superbug emerges in Brazil."

ScienceDaily, 17 April 2014. University of Texas Health Science Center at Houston.

www.sciencedaily.com/releases/2014/04/140417085552.htm

Mortality in the Confined Animal Feeding Operation (CAFO) is handled through a mortality compost process. Concerns for contamination/pollution of the water table, soil and air increases when there are periods of increased animal mortality. An instance of that occurrence would be if the hog herd were to become infected with PEDv, Porcine Epidemic Diarrhea Virus. This virus is nearly always 100% fatal to the 1 to 2 week old piglets; older piglets suffer permanent performance loss (mortality information from: Barrett Slenning, an associate professor in the NC State College of Veterinary Medicine's Department of Population Health and Pathobiology).

Epidemiology Expert on Spread of Porcine Epidemic Diarrhea Virus

<http://www.cvm.ncsu.edu/news/2013-07-29-Epidemiology-Expert-on-Spread-of-PEDV.html>

Source: NC State College of Veterinary Medicine

Third Strain of Porcine Epidemic Diarrhea Virus, United States

Emerging Infectious Diseases • www.cdc.gov/eid • Vol. 20, No. 12, December 2014, Page 2162

<https://www.aasv.org/pedv/ThirdPEDVStrainIdentified.pdf>

Website of: American Association of Swine Veterinarians

Source: Centers for Disease Control and Prevention, Emerging Infectious Diseases

Swine Industry Arming With More PED Weapons

<http://www.lancasterfarming.com/news/Swine-Industry-Arming-With-More-PED-Weapons#.VOKK8jJ15zg>

Source: lancasterfarming.com

Contamination from manure spills: from the pit, from pumping, during transport, and in the field.

Two Articles on Crystal Spring spill:

Extent of damage uncertain from manure spill

http://articles.herald-mail.com/2002-04-04/news/25115272_1_manure-spill-pit-environmental-protection-officials

Source: Waynesboro.herald-mail.com

Flood of hog manure gushes into stream

http://articles.philly.com/2002-04-03/news/25339505_1_manure-spills-hog-manure-factory-farms

Source: Philadelphia Inquirer, Philly.com

Hege Farm, Fulton County, PA:

Fines Levied for Fish Kill, Water Contamination

<http://www.fultoncountynews.com/news/2010-03-11/Front-Page/Fines-Levied-For-Fish-Kill-Water-Contamination.html>

Source: Fulton County News

Warriors' Mark, PA:

EPA, DEP opinions differ on farmer's liability for his neighbors' water

<http://www.altoonamirror.com/page/content.detail/id/552086/EPA--DEP-opinions-differ-on-farmer-s-liability-for-his-neighbors--water.html?nav=742>

Source: The Altoona Mirror

Myersdale Borough, Somerset:

Two reports on the same spill:

The Denver Post (denverpost.com)

Associated Press

Pa. playground closed due to chicken manure spill

Information from: The (Somerset) Daily American (<http://bit.ly/18c0rNW>)

Chicken manure spill causes lingering problems in Meyersdale Borough

http://www.dailyamerican.com/news/local/somerset/chicken-manure-spill-causes-lingering-problems-in-meyersdale-borough/article_a90393a2-1a8c-11e3-a627-001a4bcf6878.html

Original Source for both: dailyamerican.com

Chambersburg, PA:

Tractor-trailer overturns in Pa., spills manure onto road, field

http://www.heraldmillmedia.com/news/police_fire/tractor-trailer-overturns-in-pa-spills-manure-onto-road-field/article_462f9916-7323-11e3-8a83-0019bb30f31a.html?mode=print

Source: heraldmillmedia.com

Fulton County Sportsmen Fish Hatchery Fisk Kill, 2004

Information collected from Fulton County News (article), photographs courtesy Dave Bivens, location map from topographic map, dye tests and results from PA State officials.

From: [Mary K. Seville](#)
To: [Stehli, Alysse](#)
Subject: CAFO Info.
Date: Wednesday, February 18, 2015 10:36:30 AM
Attachments: [Third Strain PEDV Identified.pdf](#)
[Epidemiology Expert on Spread of Porcine Epidemic Diarrhea Virus.docx](#)
[MaryKSeville - Fulton Co Planning HMP update.docx](#)
[Swine Industry Arming With More PED Weapons.docx](#)

Alysse,

Here's the first batch of information I received from the concerned citizens of Ayr Township.

Thanks,
Mary K.

Mary K. Seville
Fulton County Planning Commission
Planning & Mapping Director
219 N. Second St., Suite 102
McConnellsburg, PA 17233
Phone: 717-485-3717
Fax: 717-485-6863
e-mail: mkseville@co.fulton.pa.us

Marjorie Palmer Hudson
472 Ravensburg Road
McConnellsburg, Pennsylvania 17233
Webstersmill@aol.com

March 31, 2015

Mary Kay Seville
Fulton County Planning Commission
McConnellsburg, Pennsylvania 17233

RE: Hazard Mitigation Plan – CAFOs.

Mary Kay:

Thank you for providing the revised sections of the draft Hazard Mitigation Plan online within the Fulton County website. The comments following are to identify a lack of oversight in the handling of CAFO manure in the State of Pennsylvania, which results in increased risk to the water, land and air. This affects all citizens, regardless of their proximity to the actual CAFO, or their proximity to the fields where CAFO manure is land-applied.

The EPA delegates authority under the Clean Water Act to the State of Pennsylvania's Department of Environmental Protection (PA DEP). The PA DEP delegates authority to the Pennsylvania State Conservation Commission (PA SCC). The PA SCC delegates authority to local conservation districts, which in Fulton County is the Fulton County Conservation District.

Between the DEP and the PA SCC, the regulations promulgated by the EPA are to be effectively enacted and enforced on a local level.

In order to determine the effectiveness of the Pennsylvania Animal Agriculture Program, the EPA embarked on 'periodic reviews of certain state programs . . . under the Clean Water Act (CWA)'. That Assessment dated February 2015 is attached: *Pennsylvania Animal Agriculture Program Assessment*.

CAFOs generate millions of gallons of manure per site. As the CAFOs often transfer responsibility for manure handling to a Manure Broker, and as the Manure Management Program is effectively a voluntary and self-reporting program, there is ineffective control of the fate and transport of CAFO generated manure. Without control, there is great risk. Please note the observations contained in the following section of the EPA report:

8.6 Manure Management Program – Observations

- Pennsylvania's Manure Management program engages farms with animal numbers below federal CWA NPDES and state regulatory thresholds for CAFOs, and requires a minimum set of BMPs.
- MMPs are not collected or submitted to the Commonwealth or approved by PADEP.
- PADEP does not track the number of operations known to have an MMP.
- The Commonwealth does not have a compliance assurance strategy or sufficient resources to ensure applicable operations are meeting MMP requirements.
- PADEP, SCC, and the CCDs do not have an integrated data system or approach in place for tracking and managing Manure Management program oversight.
- Pennsylvania does not appear to be conducting inspections where MMP compliance is the primary focus of the inspection unless the farm is the subject of a complaint or part of a Regional Agriculture Watershed Assessment Program Initiative.

The revised section of the Hazard Mitigation Plan notes 'the EPA monitors CAFO sites'. The EPA has delegated authority to the State to monitor the sites. However, the EPA report cites missing and/or ineffective oversight, compliance, and records; all these deficiencies point to lack of protection for the citizens, their air, land and water.

Please revise the following section to reflect the findings of the EPA *Pennsylvania Animal Agriculture Program Assessment*.

The EPA monitors CAFO sites for pollutant control as improperly managed manure and wastewater can negatively impact the environment and public health. Manure and wastewater have the potential to introduce nitrogen and phosphorus, organic matter, sediments, pathogens, heavy metals, hormones, and ammonia to the environment. Potential impacts from any of these pollutants can include excess nutrients in the water (e.g., nitrogen and phosphorus), leading to low levels of dissolved oxygen and fish kills, decomposing organic matter that can contribute to toxic algal blooms, degraded water resources, respiratory problems in workers and local residents, and increased chance of illness through the exposure of wastes and pathogens in drinking water.



Thank you.

Marjorie Palmer Hudson

From: [Mary K. Seville](#)
To: [Stehli, Alysse](#)
Subject: FW: Hazard Mitigation Plan
Date: Thursday, April 02, 2015 4:16:43 PM

Alysse,

I received this e-mail from Marjorie this morning. She's the lady that gave us the packets on Tuesday evening.

From: Marjorie Palmer Hudson [mailto:webstersmill@aol.com]
Sent: Thursday, April 02, 2015 9:24 AM
To: Mary K. Seville
Subject: Hazard Mitigation Plan

Mary K,

As part of the preparation of the cover letter and attached EPA document presented to you at the HMP meeting Tuesday, March 31, 2015, I filed a Right to Know with the Fulton County Conservation District for copies of the Manure Management Plans in Fulton County. The following morning, I received this reply:

Please be advised that the Conservation District is not required to keep records of Manure Management Plans on file. Manure Management Plans are required, by law, to be maintained by the owner/operator of the farming operation where manure is applied, and be readily available when asked for by an enforcement officer.

This equates to no paper trail, no accountability, no avenue for independent confirmation.

CAFOs generate millions of gallons of manure/waste per year, can be placed on minimal acreage, can and do transfer the management of the manure to a manure broker.

In Pennsylvania in the existing regulations it appears there are no requirements for regularly reporting the fate and transport of this manure. EPA has documented this deficiency.

As a community at risk, we must advocate for reporting changes for protection of the watershed, the land, and the air, for the overall health of our population. I request stronger language be included in the HMP concerning increased risk due to EPA documented deficiencies in Pennsylvania's 'EPA Report Card'.

Thank you.

Marjorie

Subbio, Tony

From: Adam Miller <amiller@huntingdoncounty.net>
Sent: Friday, February 06, 2015 2:32 PM
To: Ruth Strait; Dave Cubbison; David Donohue; vbrown@washco-md.net; slee@alleganygov.org
Cc: Subbio, Tony
Subject: RE:

Follow Up Flag: Follow up
Flag Status: Completed

Thank you Ruth – I invite you to review our current final draft HMP for any information which you may glean of value for yours.

Best-
Adam
Huntingdon County Emergency Management Agency
223 Penn Street
Huntingdon, PA 16652
Office: (814) 643-6613/6617
Fax: (814) 643-8178
Email: ema@huntingdoncounty.net
Website: <http://huntingdoncounty.net>

From: Ruth Strait [mailto:rstrait@co.fulton.pa.us]
Sent: Friday, February 06, 2015 1:51 PM
To: Dave Cubbison; David Donohue; Adam Miller; vbrown@washco-md.net; slee@alleganygov.org
Cc: Subbio, Tony
Subject:

To Adjoining County Emergency Management Agency Directors:

We are updating the Fulton County Hazard Mitigation Plan (HMP). We will be holding a public meeting to identify possible mitigation actions to include in our HMP. The meeting will be held from 6:30 to 8:00 p.m. on Tuesday, February 17, 2015, in the EOC Conference Room, located in the lower level of the Services for Children Building at 219 N. Second Street here in McConnellsburg. We would really appreciate your input into our county's HMP, so that we might be able to identify actions that can help both of our counties.

A website has been set up for the project and additional information can be found at www.fultonhmp.com. Please let me know if you have any questions.

Ruth

Ruth A. Strait
Fulton County EMA/911
Director
219 N Second St., Suite 106
McConnellsburg, PA 17233



Welcome to **Fulton County Pennsylvania**

Home ▾ County Government ▾ Courts ▾ Other Government ▾ Doing Business About

Sign In



Welcome to the official county government website of Fulton County, Pennsylvania. This website is designed to assist you with your informational needs and to more efficiently provide governmental services.

The Courthouse at 201 North Second Street was the first county office building built in the county seat of McConnellsburg. All other county government buildings are located in McConnellsburg within easy walking distance of the Courthouse.



Video Tour of Fulton County

Welcome	Healthcare & Senior Services
Quality of Life	Business & Industry
Real Estate & Relocation	
Education	



Current Happenings

- [Meadow Grounds Lake Info](#)
- [Pike 2 Bike Info](#)
- [RFP for Municipal Solid Waste Disposal](#)
- [Hazard Mitigation Plan Update](#)
- [CEIS Update](#)
- [Bidding Opportunities](#)
- [Job Openings](#)

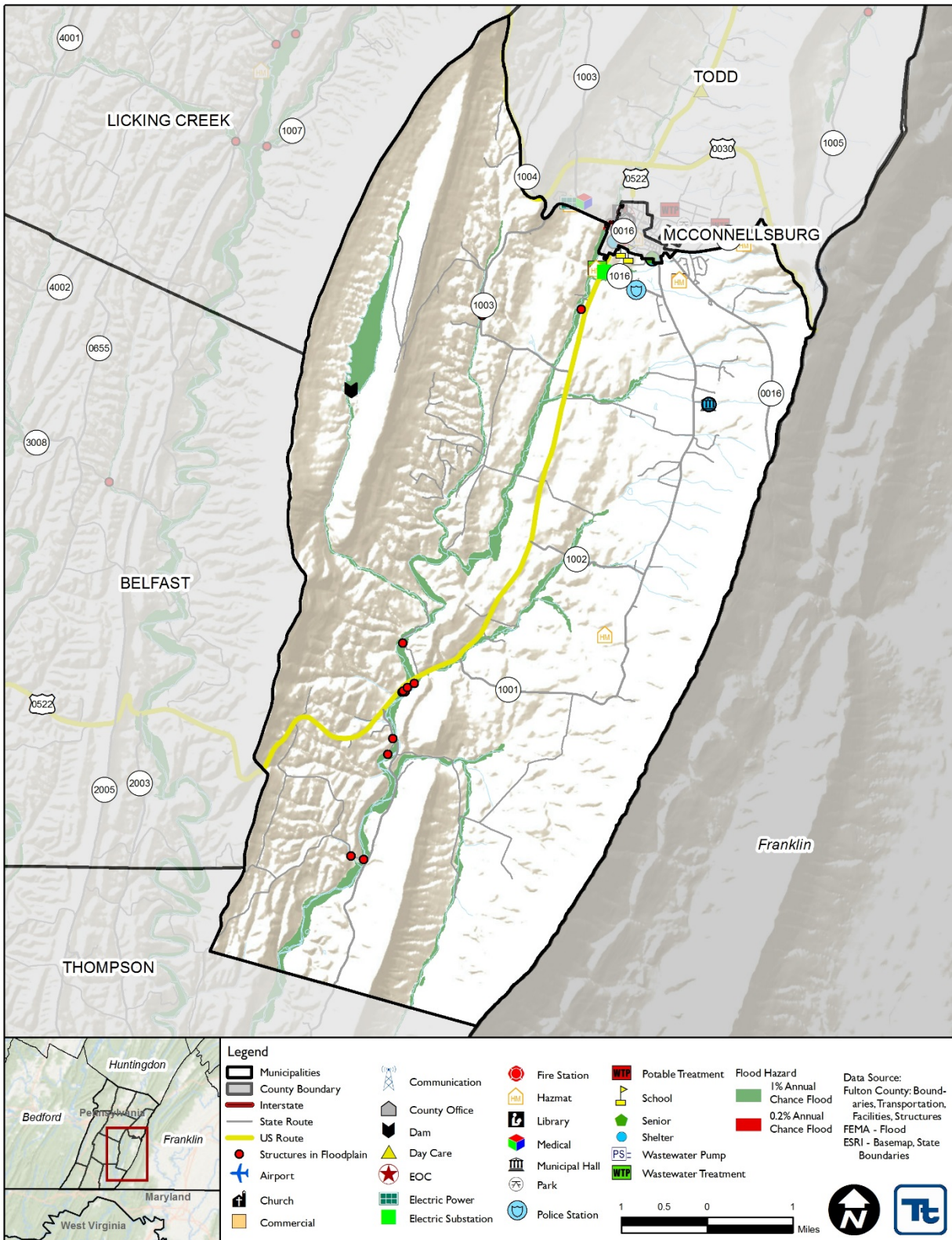
Links

- [2015 Proposed Budget](#)
- [Historical Documents](#)
- [Open Records/Right to Know](#)
- [Online Land Records](#)
- [Recycling: Electronics - Other](#)
- [Prescription Drug Discount Program](#)
- [Elections & Voter Registration](#)

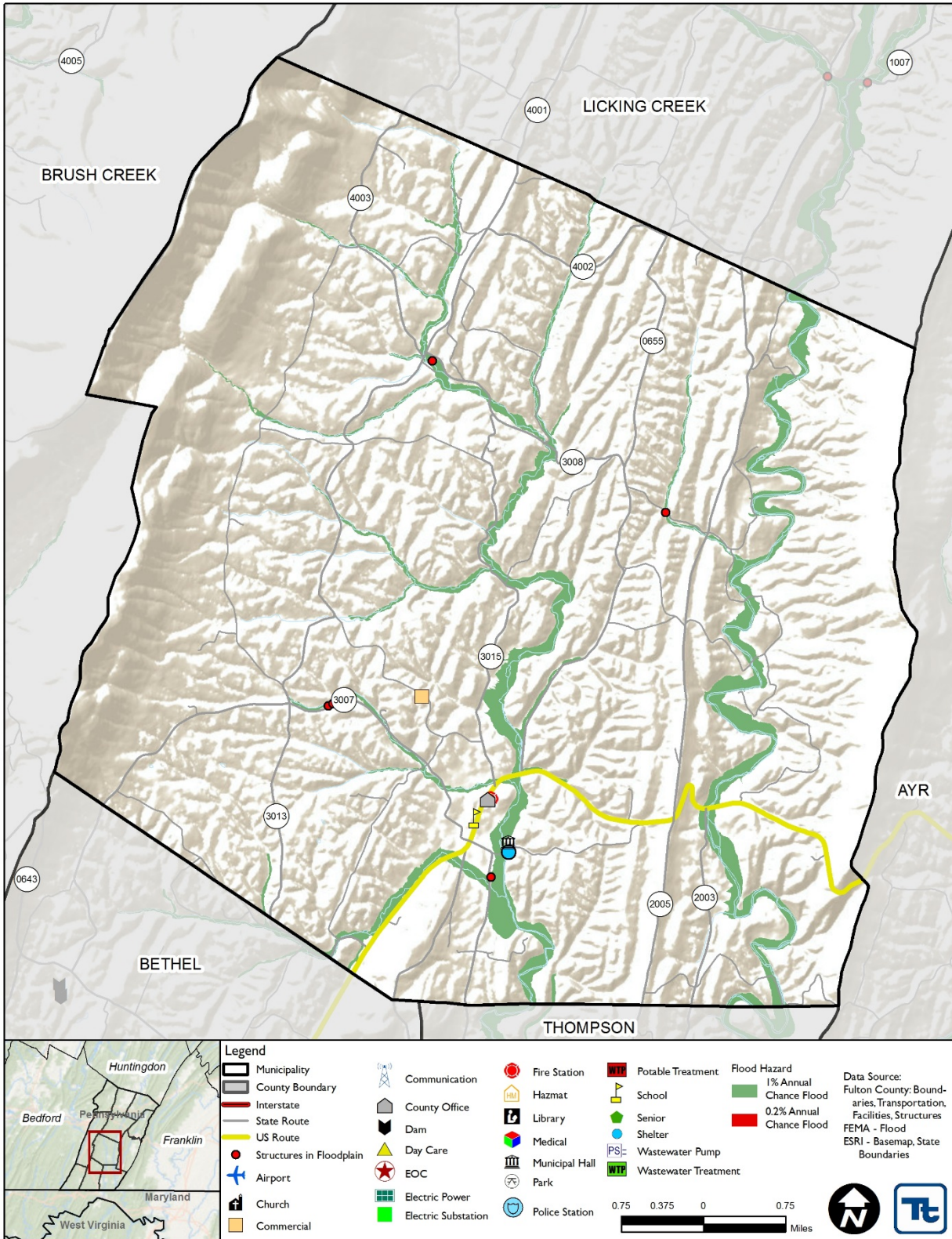
Fulton County Floodplain Maps

This section includes the municipal floodplain maps used in the preparation of the Fulton County HMP.

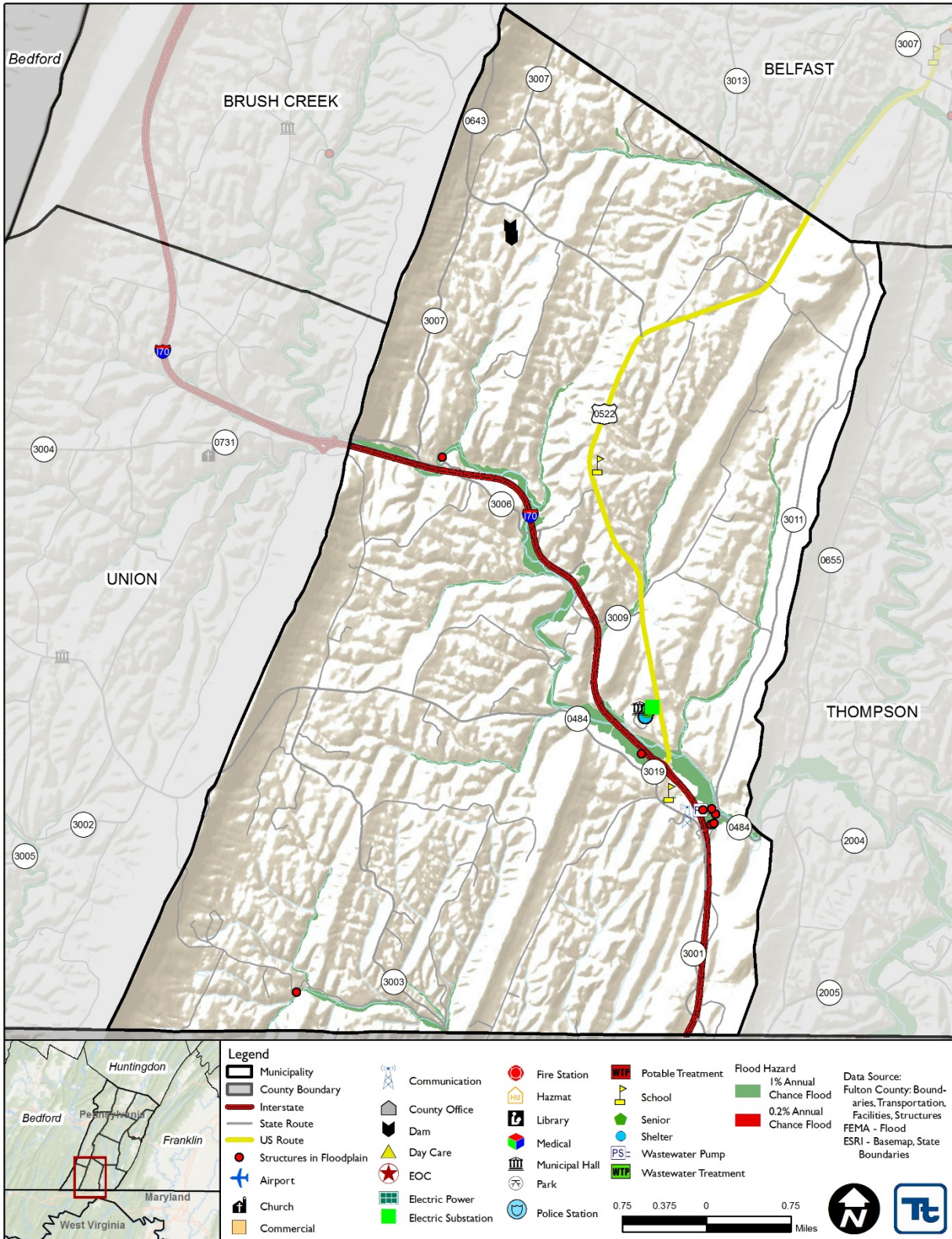
Ayr Township



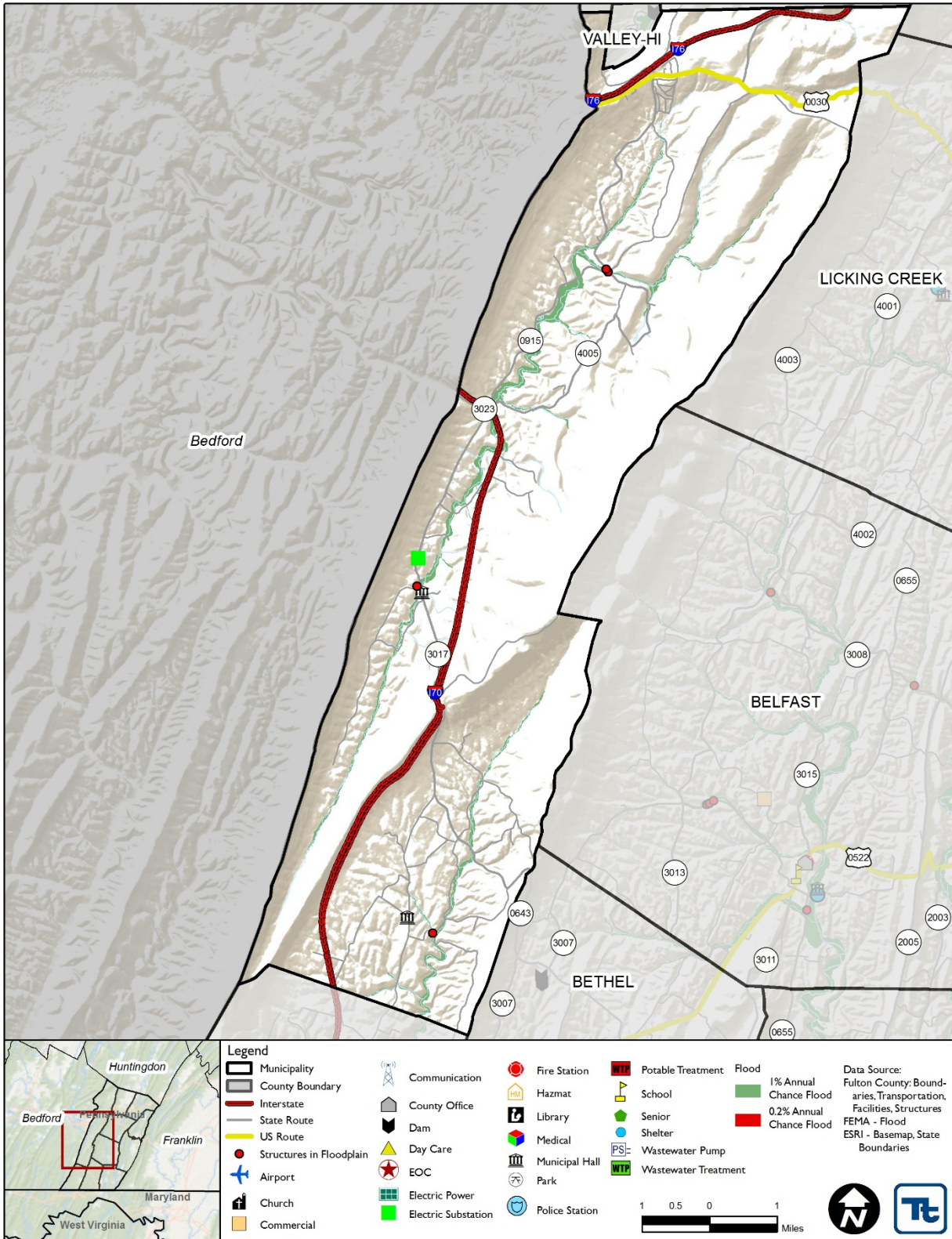
Belfast Township



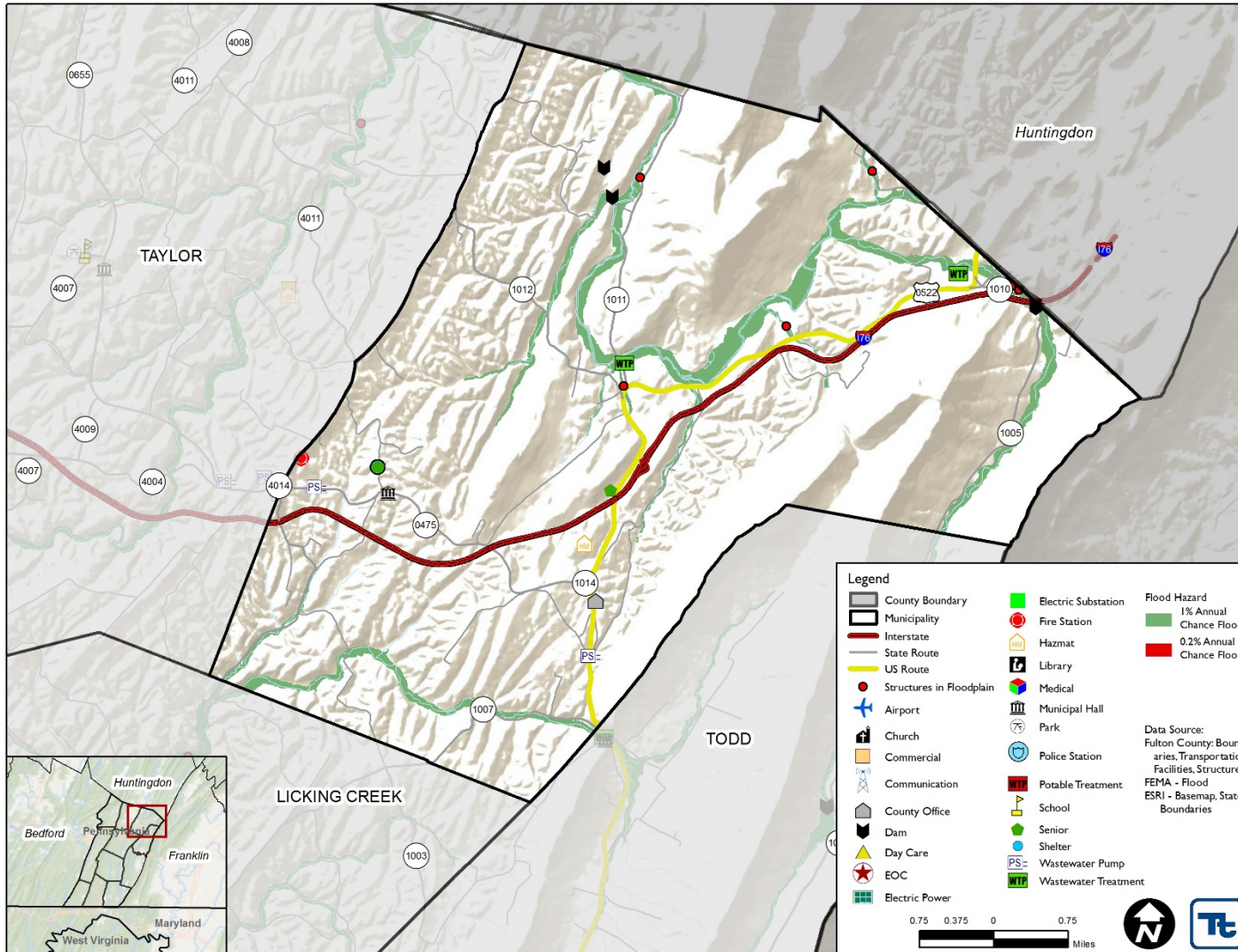
Bethel Township



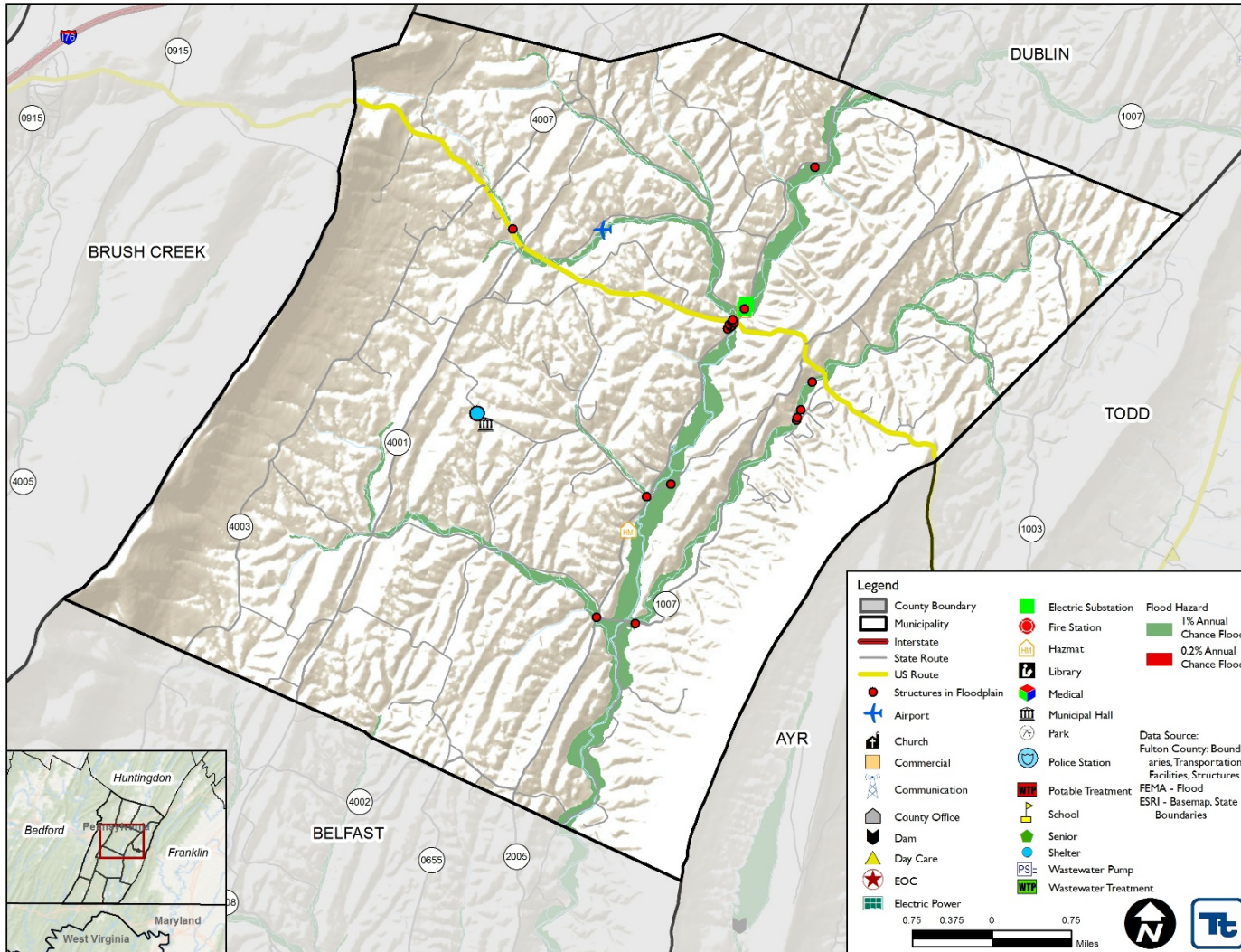
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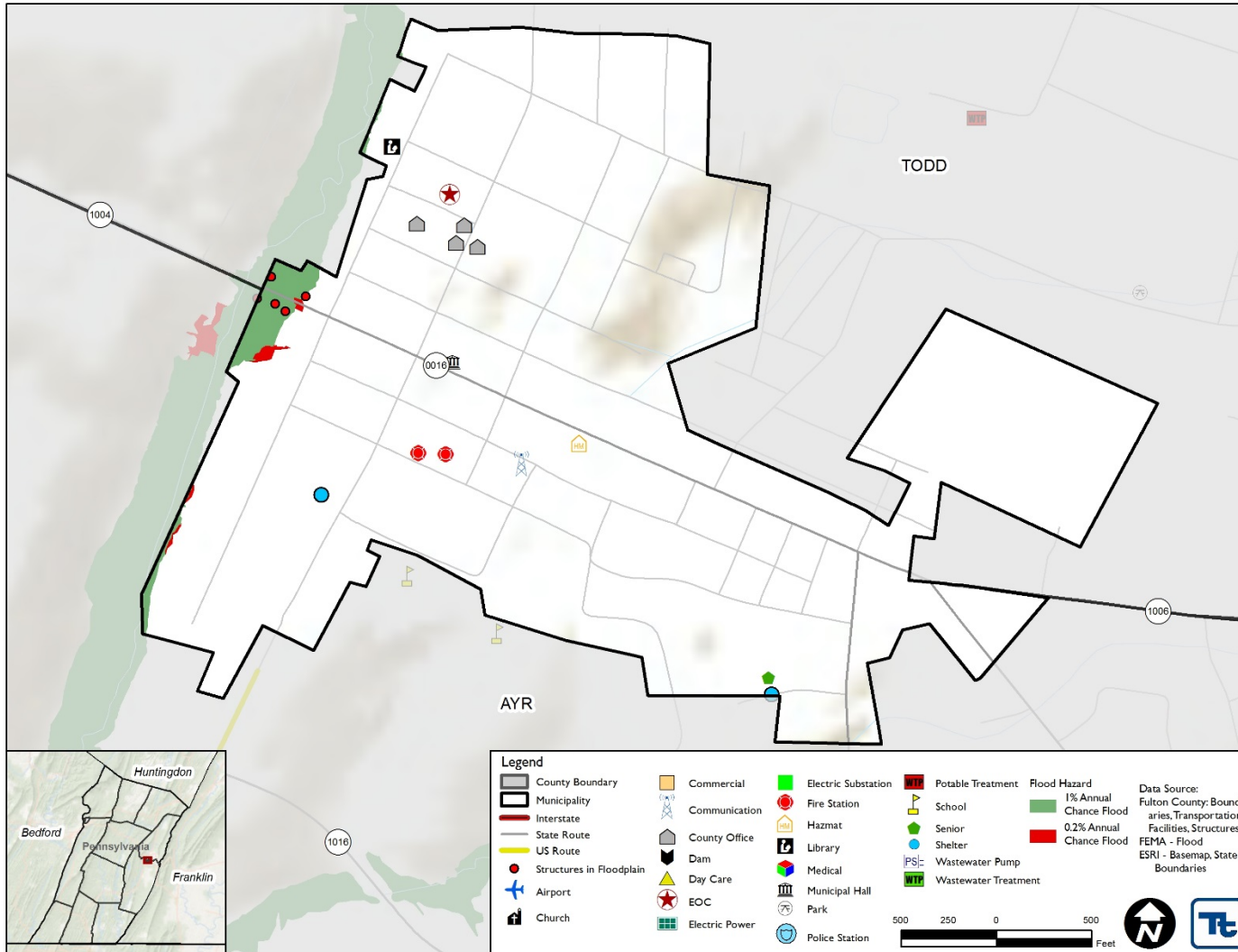
Dublin Township



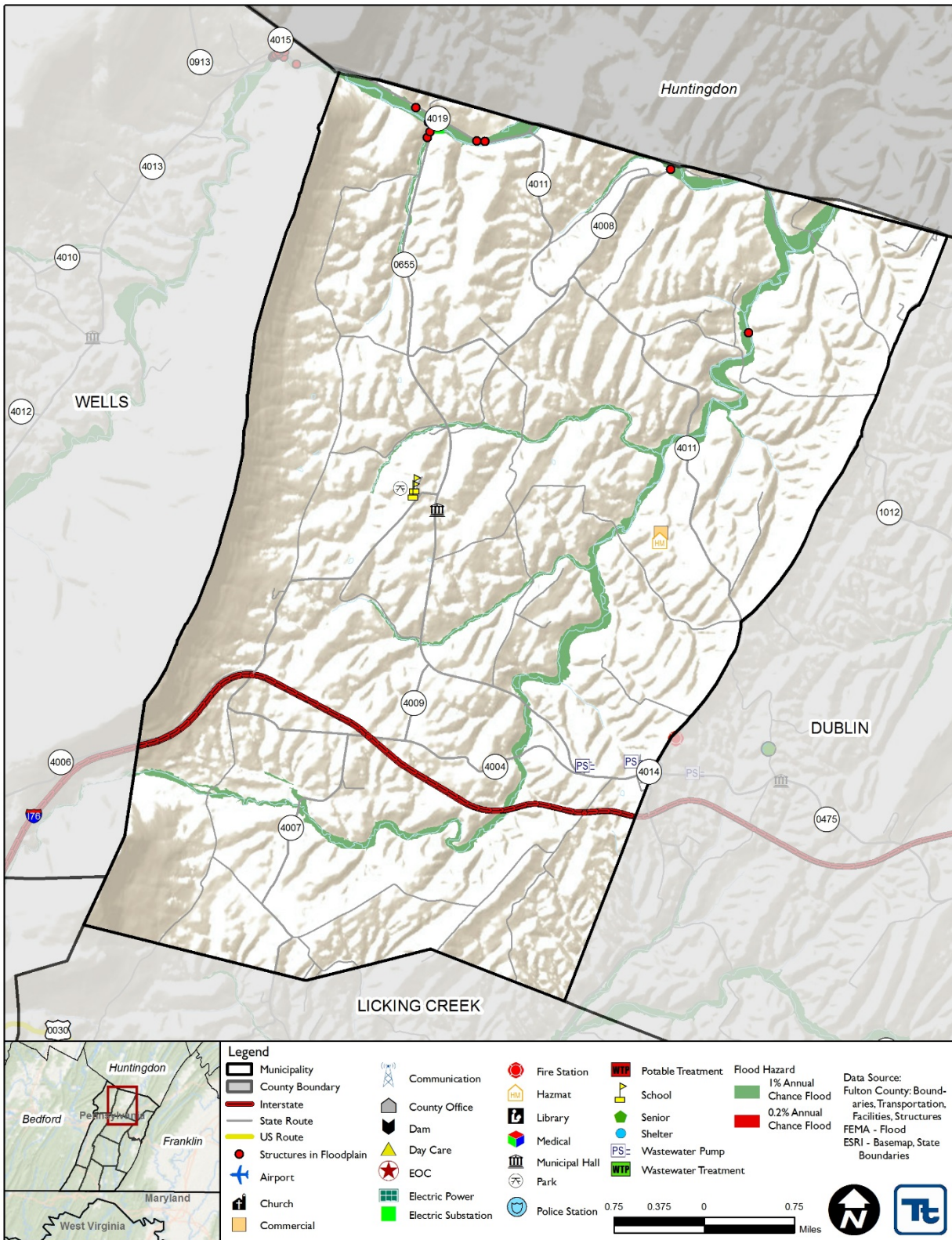
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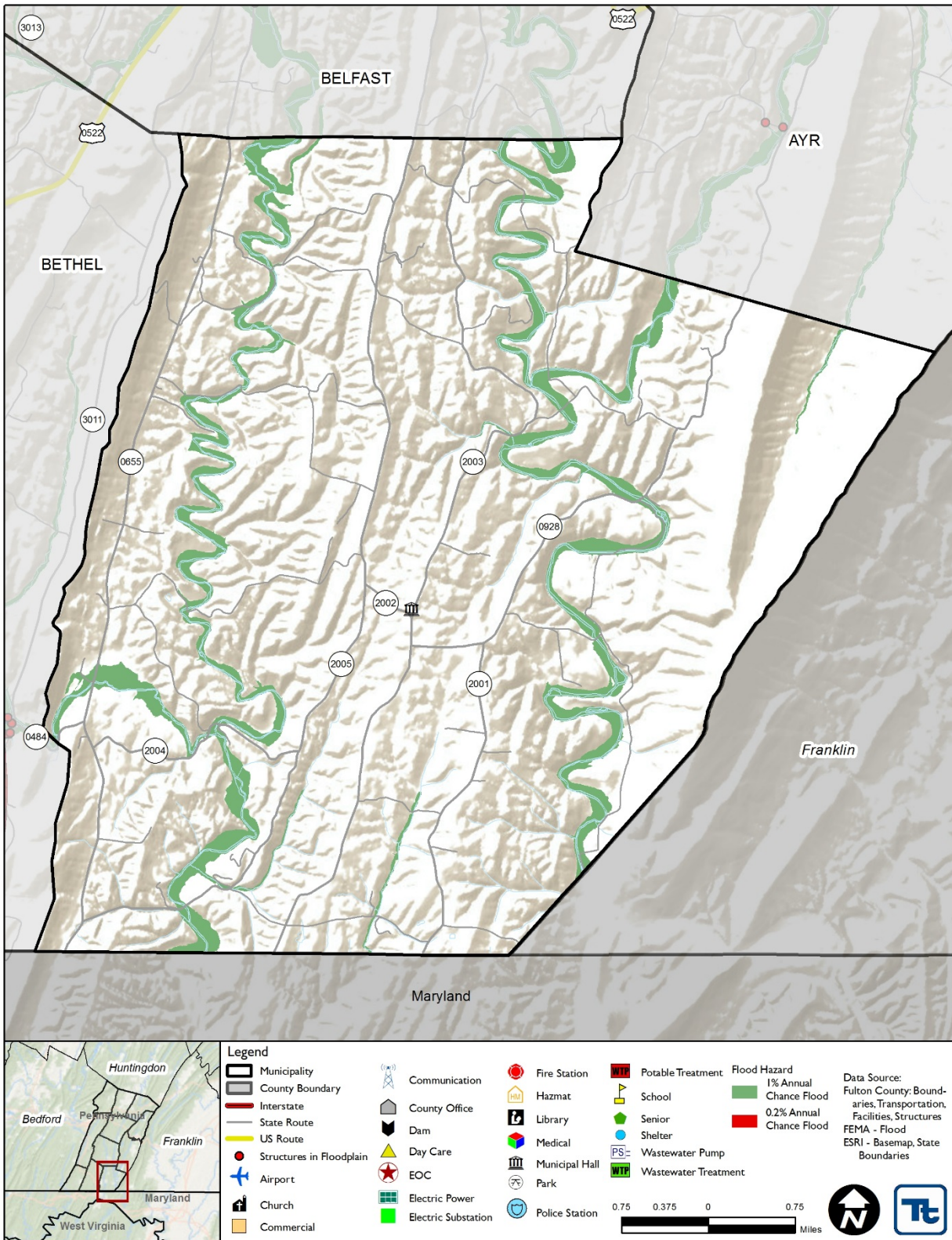
McConnellsburg Borough



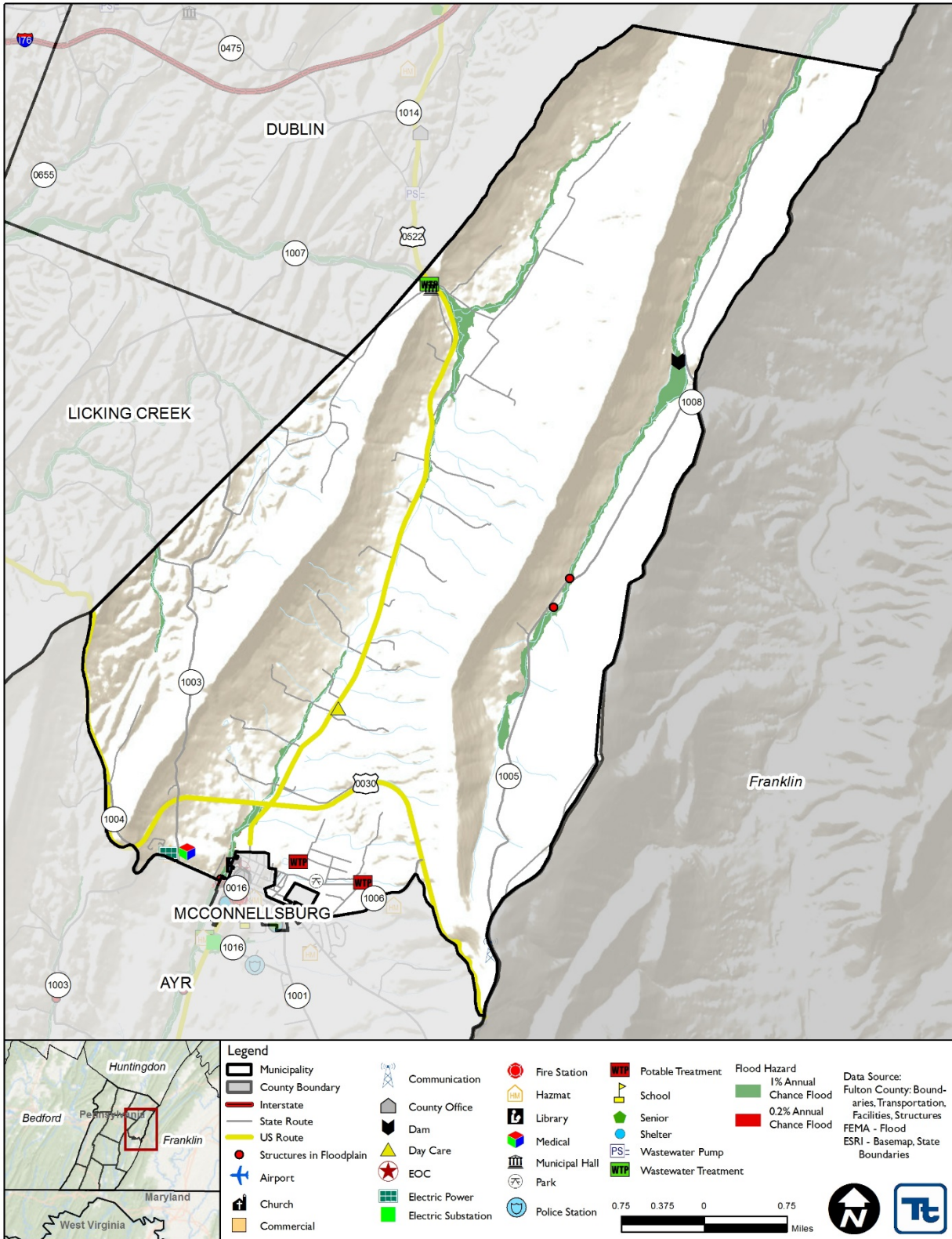
Taylor Township



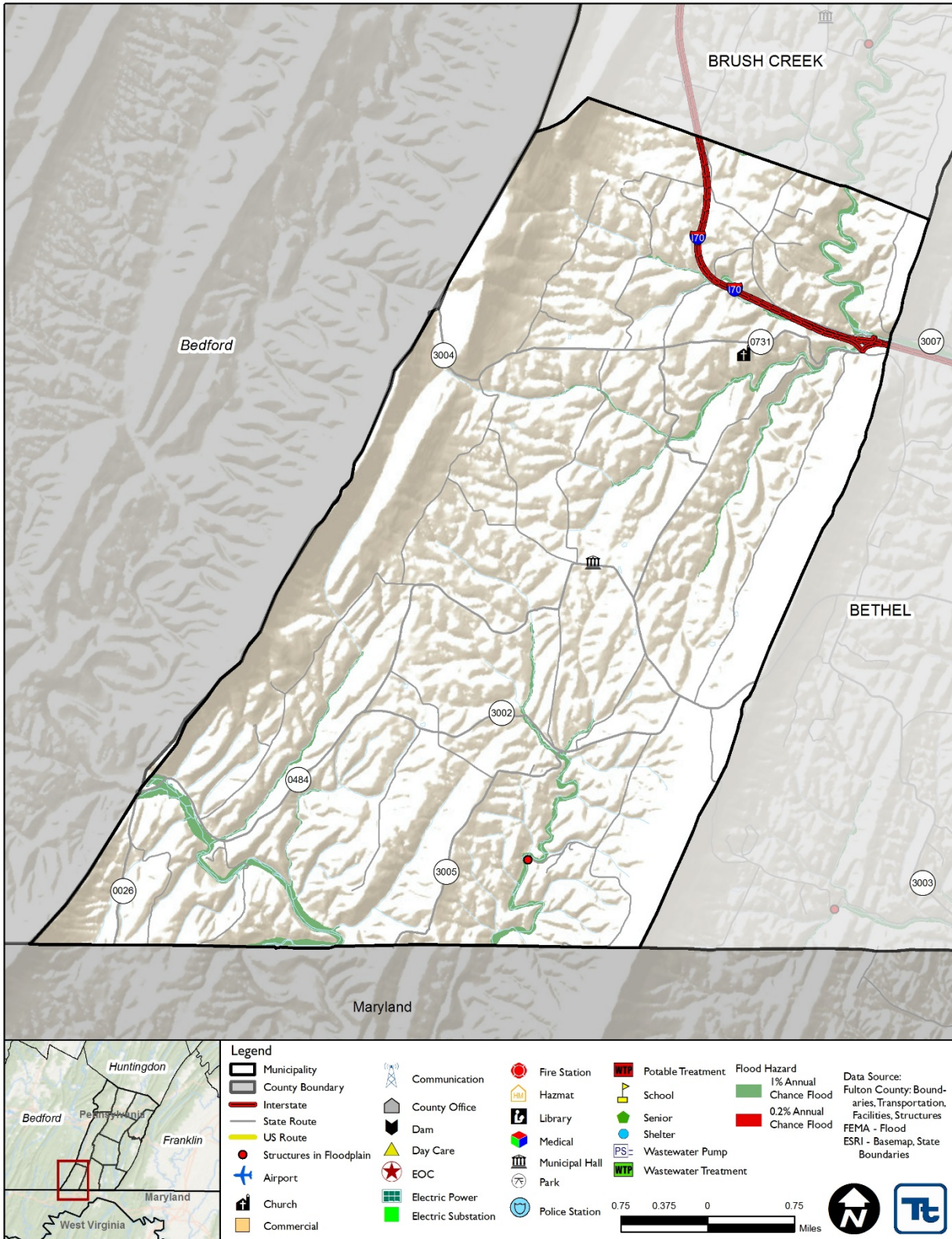
Thompson Township



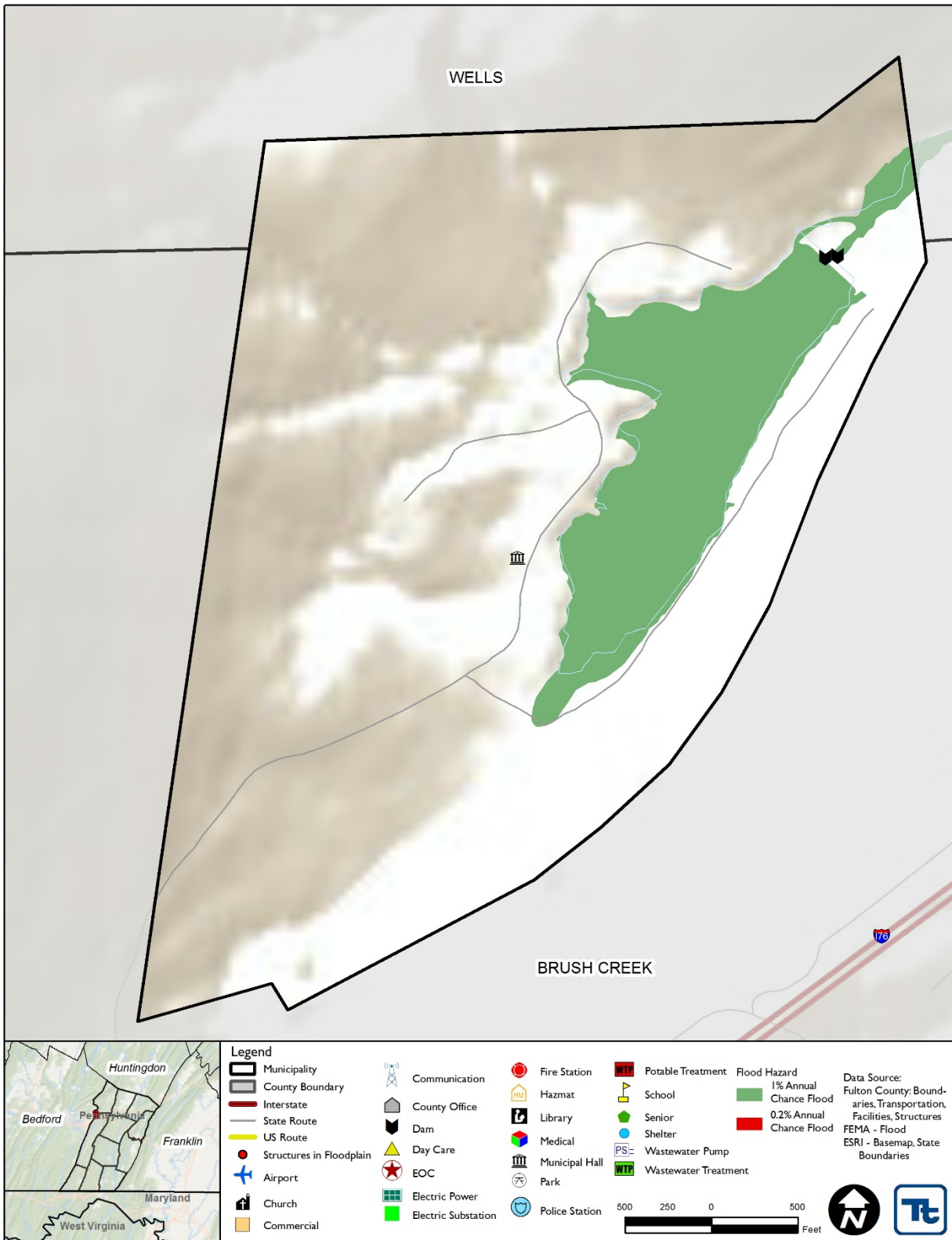
Todd Township



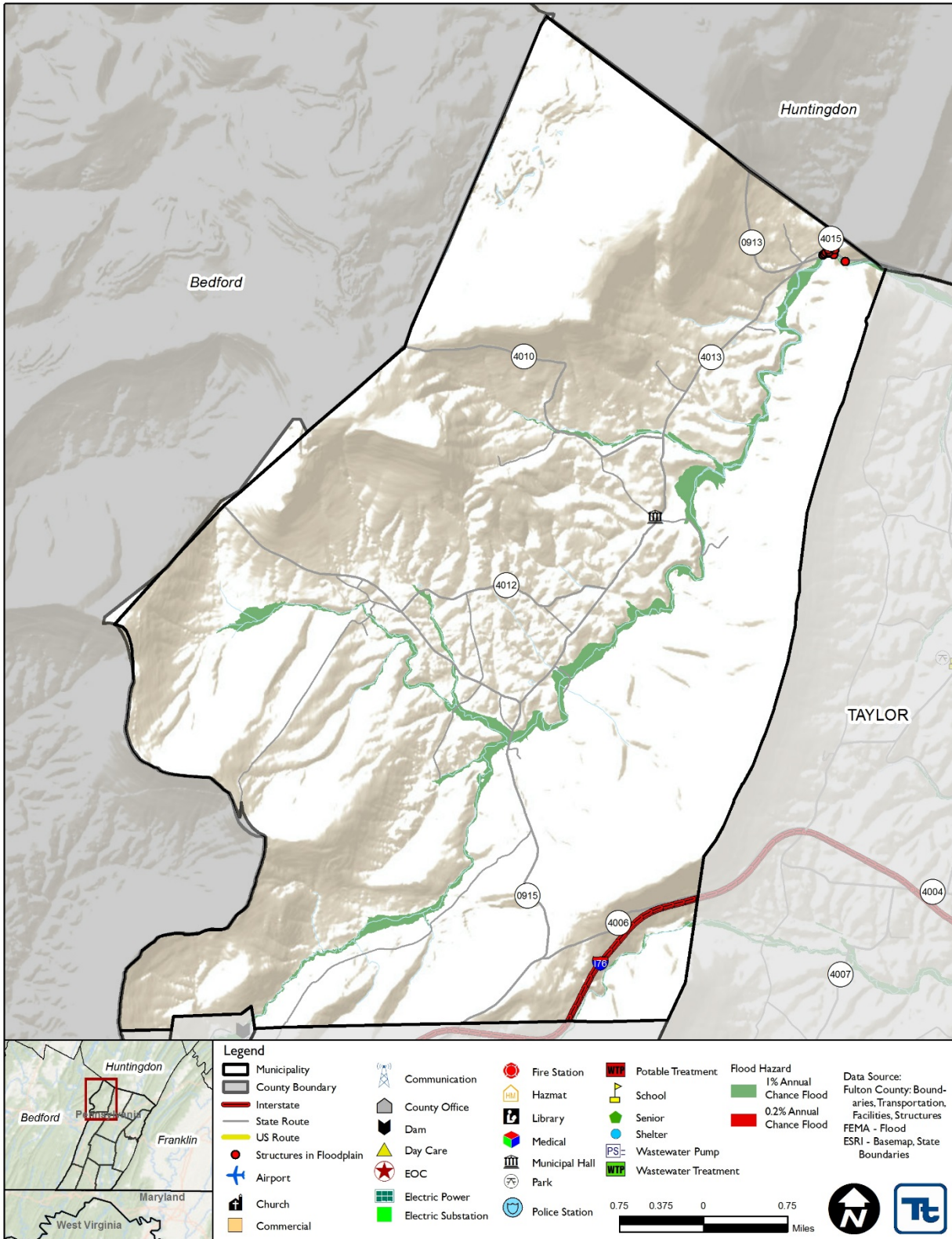
Union Township



Valley-Hi Borough



Wells Township



Adoption Resolutions

County and municipal adoption resolutions will be included in this section upon receipt of the Federal Emergency Management Agency (FEMA) Approval Pending Adoption (APA) status. Please refer to Section 8 for additional information on plan adoption procedures.

A sample resolution to be used by the County and its jurisdictions is provided on the following pages and in Section 8.

**Fulton County Hazard Mitigation Plan
County Adoption Resolution**

Resolution No. _____
Fulton County, Pennsylvania

WHEREAS, the municipalities of Fulton County, Pennsylvania, are most vulnerable to natural and human-made hazards which may result in loss of life and property, economic hardship, and threats to public health and safety, and

WHEREAS, Section 322 of the Disaster Mitigation Act of 2000 (DMA 2000) requires state and local governments to develop and submit for approval to the President a mitigation plan that outlines processes for identifying their respective natural hazards, risks, and vulnerabilities, and

WHEREAS, Fulton County acknowledges the requirement of Section 322 of DMA 2000 to have an approved Hazard Mitigation Plan as a prerequisite to receiving post-disaster Hazard Mitigation Grant Program funds, and

WHEREAS, the Fulton County Hazard Mitigation Plan has been developed by the Fulton County Planning Commission and the Fulton County Emergency Management Agency/911 in cooperation with other County departments, local municipal officials, and the citizens of Fulton County, and

WHEREAS, a public involvement process consistent with the requirements of DMA 2000 was conducted to develop the Fulton County Hazard Mitigation Plan, and

WHEREAS, the Fulton County Hazard Mitigation Plan recommends mitigation activities that will reduce losses to life and property affected by both natural and human-made hazards that face the County and its municipal governments,

NOW THEREFORE BE IT RESOLVED by the governing body for the County of Fulton that:

- The 2015 Fulton County Hazard Mitigation Plan is hereby adopted as the official Hazard Mitigation Plan of the County, and
- The respective officials and agencies identified in the implementation strategy of the 2015 Fulton County Hazard Mitigation Plan are hereby directed to implement the recommended activities assigned to them.

ADOPTED, this _____ day of _____, 2015

ATTEST:

FULTON COUNTY COMMISSIONERS

By _____

By _____

By _____



**Fulton County Hazard Mitigation Plan
Municipal Adoption Resolution**

Resolution No. _____

< Municipality Name>, Fulton County, Pennsylvania

WHEREAS, the <Municipality Name>, Fulton County, Pennsylvania, is most vulnerable to natural and human-made hazards which may result in loss of life and property, economic hardship, and threats to public health and safety, and

WHEREAS, Section 322 of the Disaster Mitigation Act of 2000 (DMA 2000) requires state and local governments to develop and submit for approval to the President a mitigation plan that outlines processes for identifying their respective natural hazards, risks, and vulnerabilities, and

WHEREAS, the <Municipality Name> acknowledges the requirement of Section 322 of DMA 2000 to have an approved Hazard Mitigation Plan as a prerequisite to receiving post-disaster Hazard Mitigation Grant Program funds, and

WHEREAS, the Fulton County Hazard Mitigation Plan has been developed by the Fulton County Planning Commission and the Fulton County Emergency Management Agency/911 in cooperation with other County departments, and officials and citizens of <Municipality Name>, and

WHEREAS, a public involvement process consistent with the requirements of DMA 2000 was conducted to develop the Fulton County Hazard Mitigation Plan, and

WHEREAS, the Fulton County Hazard Mitigation Plan recommends mitigation activities that will reduce losses to life and property affected by both natural and human-made hazards that face the County and its municipal governments,

NOW THEREFORE BE IT RESOLVED by the governing body for the <Municipality Name>:

- The 2015 Fulton County Hazard Mitigation Plan is hereby adopted as the official Hazard Mitigation Plan of the <Municipality Name>, and
- The respective officials and agencies identified in the implementation strategy of the 2015 Fulton County Hazard Mitigation Plan are hereby directed to implement the recommended activities assigned to them.

ADOPTED, this _____ day of _____, 2015

ATTEST:

< MUNICIPALITY NAME>

By _____

By _____

By _____



Mitigation Action Worksheet

Municipality(ies):	Action
Action Number:	
<i>Location (address, lat/long)</i>	
<i>Mitigation Technique Category</i>	
<i>Hazard(s) Addressed</i>	
<i>Priority (High, Medium, Low)</i>	
<i>Estimated Cost</i>	
<i>Potential Funding Streams</i>	
<i>Timeline</i>	
<i>Lead Agency/Department</i>	
<i>Support Agency(ies)/ Department(s)</i>	
Project Point of Contact	
<i>Name</i>	
<i>Title</i>	
<i>Agency/Department</i>	
<i>Phone</i>	
<i>E-mail</i>	

Mitigation Technique Category

- Local Plans and Regulations (LPR) – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.
- Structure and Infrastructure Project (SIP) – These actions involve (1) modifying existing structures and infrastructure to protect them from a hazard, or (2) removing them from a hazard area. This could apply to public or private structures as well as critical facilities and infrastructure. This type of action also includes projects to construct manmade structures to reduce the impact of hazards.
- Natural Systems Protection (NSP) – These are actions that minimize damage and losses, and also preserve or restore the functions of natural systems.
- Education and Awareness Programs (EAP) – These are actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. These actions may also include participation in national programs, such as StormReady and Firewise Communities.

Costs:

If an estimated cost is known, please provide or use the following ranges:

Low = < \$10,000 *Medium* = \$10,000 to \$100,000 *High* = > \$100,000

If costs have not been estimated, please use the following categories:

- Low* Possible to fund under existing budget. Project is part of, or can be part of, an existing on-going program.
- Medium* Could budget for under existing work plan, but would require a reapportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.
- High* Would require an increase in revenue via an alternative source (i.e., bonds, grants, fee increases) to implement. Existing funding levels are not adequate to cover the costs of the proposed project.

Timeline: *Short Term* = 1 to 5 years *Long-Term* = 5 years or greater
 OG = On-going program *DOF* = Depending on funding

Mitigation Action Summary Table

Actions	Municipalities												
	Fulton County	Ayr Township	Belfast Township	Bethel Township	Brush Creek Township	Dublin Township	Licking Creek Township	McConnellsburg	Taylor Township	Thompson Township	Todd Township	Union Township	Wells Township
FC-1: Develop and conduct refresher courses and trainings for citizens involved with former County Community Emergency Response Team (CERT) and Citizen Corps. Sample supplemental activities could include website, e-blast, and flyers to advertise opportunities.	X	X	X	X	X	X	X	X	X	X	X	X	X
FC-2: Begin the process to review and revise existing subdivision and land development regulations to minimize flood risk, subsidence/sinkhole risk, and other hazard risks as appropriate. This effort may be multi-municipal/regional, as interest and priorities allow. County can consider public outreach activities (newsletters, e-blasts, and public presentations) to demonstrate inclusiveness, transparency, and multi-municipal/regional collaboration.	X	X	X	X	X	X	X	X	X	X	X	X	X
FC-3: Develop and implement an enhanced all-hazards, public outreach / education / mitigation information program on natural hazard risks and a non-technical explanation of what residents can do in the way of mitigation and preparedness, including flood insurance. This effort would be a multi-media campaign that may range from bill inserts, to flyers, posters, public service announcements, social media, tri-fold brochures, and event booths. Outreach will target vulnerable populations and will be modular in size, scale, and reach.	X	X	X	X	X	X	X	X	X	X	X	X	X
FC-4: Encourage cross-training of existing personnel or utilize County personnel resources, as timing and funding permit, to enhance local administrative and technical ability. Areas for further professional development may include planning expertise, floodplain administration, hazard/risk management, grant writing and funding, and cost/benefit analysis.	X	X	X	X	X	X	X	X	X	X	X	X	X
FC-5: Evaluate the need for a voluntary animal waste/manure/fertilizer self-reporting program for farmers, Concentrated Animal Feeding Operation (CAFO) facilities, and other relevant organizations to utilize so that the County can more accurately estimate	X	X	X	X	X	X	X	X	X	X	X	X	X

Actions	Municipalities												
	Fulton County	Ayr Township	Belfast Township	Bethel Township	Brush Creek Township	Dublin Township	Licking Creek Township	McConnellsburg	Taylor Township	Thompson Township	Todd Township	Union Township	Wells Township
<p>the amount of hazardous biological waste transported through the County and so that additional mitigation/safety measures may be implemented, if necessary.</p> <p>This initiative can be completed through the development of educational materials and speakers from the National Fish and Wildlife Foundation, EPA, and Chesapeake Bay Foundation, with a targeted focus to Farm Bureau, Grange and Conservation Districts.</p>													
<p>FC-6: Create and maintain a web-based inventory of the County's special needs population to strengthen emergency response and evacuation operations.</p> <p>As part of this effort, the County will disseminate outreach/education materials to explain the benefits of the program, as well as its voluntary and confidential nature. Outreach will be targeted at senior centers, intermediate units, healthcare providers, and faith-based organizations interfacing with these populations.</p>	X	X	X	X	X	X	X	X	X	X	X	X	X
<p>FC-7: Ensure all applicable private industrial, commercial, and public utility service providers have a current Environmental Emergency Response Plan per the Federal Clean Water Act the Pennsylvania Clean Streams Law (35 P.S. §§691.1-691.1001), the Pennsylvania Solid Waste Management Act, the Pennsylvania Storage Tank Act, the Oil Pollution Act and regulations promulgated thereunder.</p>	X	X	X	X	X	X	X	X	X	X	X	X	X
<p>FC-8: Strengthen the County's domestic animal health surveillance by familiarizing the Fulton County agricultural community with the list of reportable diseases and conditions related to animal health per the Office of International Epizootics (OIE) and the Pennsylvania Domestic Animal Act (Act 100 of 1996).</p> <p>Outreach would be targeted at organizations such as the PSU Cooperation Extension service, Grange Halls, CAFOs, feed and farm supply vendors, the Farm Bureau, Rural Electric Cooperatives and other farm cooperatives, and veterinary practices.</p>	X	X	X	X	X	X	X	X	X	X	X	X	X
<p>FC-9: Work with the County's agricultural community to develop and implement the County Animal Response Team (CART) to strengthen the County's comprehensive emergency management program.</p>	X	X	X	X	X	X	X	X	X	X	X	X	X

Actions	Municipalities												
	Fulton County	Ayr Township	Belfast Township	Bethel Township	Brush Creek Township	Dublin Township	Licking Creek Township	McConnellsburg	Taylor Township	Thompson Township	Todd Township	Union Township	Wells Township
Outreach would be targeted at organizations such as the PSU Cooperation Extension service, Grange Halls, CAFOs, feed and farm supply vendors, the Farm Bureau, Rural Electric Cooperatives and other farm cooperatives, and veterinary practices.													
FC-10: Collaborate with the DEP Bureau of Radiation Protection to ensure the State's Radon Awareness Campaign and public service announcements are disseminated throughout Fulton County. This could include collateral and website development/links, County public service announcements, and social media development.	X	X	X	X	X	X	X	X	X	X	X	X	X
FC-11: Obtain an engineering study to redesign the intersection at Taylor Rd and Waterfall Rd in Dublin Township. Currently, emergency vehicles have difficulty making the turn at this intersection.						X							
FC-12: Research corrective action needed to improve the condition of Tannery Rd. Bridge in Dublin Township, and implement, if feasible.						X							
FC-13: Research corrective action to prevent flooding of Park Rd. in Dublin Township, and implement, if feasible.						X							
FC-14: In Belfast Township, cut the bank back at 278 Black Bear Road to improve sight distance.			X										
FC-15: In Union Township, continue to pursue political channels and collaboration with state agencies (e.g., PennDOT) to study and maintain the slide area on T-366 (Old 126).												X	
FC-16: In Ayr Township, identify and implement response to manage stormwater runoff along Route 16, from True Value to Citgo Station.		X											
FC-17: Conduct workshops and training for municipal officials on the benefits of land use regulations to protect new and existing structures and infrastructure.	X	X	X	X	X	X	X	X	X	X	X	X	X
FC-18: Conduct, sponsor, or facilitate grant writing trainings for municipal officials and other relevant personnel.	X	X	X	X	X	X	X	X	X	X	X	X	X
FC-19: Replace three tiles on Johnstons Drive, in Todd Township, with one squash tile.											X		
FC-20: Construct a bridge on Creek Road (T-388) in Licking Creek Township over the Creek fording.							X						
FC-21: Increase visibility at the intersection of Great Cove Road (US-522) and Alpine Road in Bethel Township.				X									

Actions	Municipalities												
	Fulton County	Ayr Township	Belfast Township	Bethel Township	Brush Creek Township	Dublin Township	Licking Creek Township	McConnellsburg	Taylor Township	Thompson Township	Todd Township	Union Township	Wells Township
FC-22: Increase visibility at the intersection of Great Cove Road (US-522) and Bethel Church Road in Bethel Township				X									
FC-23: Increase visibility at the intersection of State Route 643 and Spring Road in Bethel Township.				X									
FC-24: Increase visibility at the intersection of Stoney Break Road and Black Oak Road in Bethel Township.				X									
FC-25: Increase visibility at the intersection of Buck Valley Road and Mays Chapel Road in Bethel Township.				X									
FC-26: Comply with floodplain ordinance regulations by continuing to obtain information on existing and proposed new structures in the areas with the highest relative vulnerability to determine the best property protection methods. The following information should be obtained: <ul style="list-style-type: none"> • Lowest-floor elevation • Number of stories • Presence of a basement • Market and/or replacement value <p>The County and Fulton County Conservation District will support municipalities and provide training/education for floodplain managers, as needed.</p>	X	X	X	X	X	X	X	X	X	X	X	X	X
FC-27: Comply with floodplain ordinance regulations by continuing to obtain information for all existing and proposed new structures in the 1% chance floodplain to determine the best property protection methods to promote with individual property owners. <p>The County and Fulton County Conservation District will support municipalities and provide training/education for floodplain managers, as needed.</p>	X	X	X	X	X	X	X	X	X	X	X	X	X
FC-28: Comply with floodplain ordinance and building code regulations by requiring anchor straps and improved roofing shingles on new and existing manufactured homes and residences of the County.	X	X	X	X	X	X	X	X	X	X	X	X	X

Actions	Municipalities												
	Fulton County	Ayr Township	Belfast Township	Bethel Township	Brush Creek Township	Dublin Township	Licking Creek Township	McConnellsburg	Taylor Township	Thompson Township	Todd Township	Union Township	Wells Township
The County and Fulton County Conservation District will support municipalities and provide training/education for floodplain managers, as needed.													
FC-29: Establish a Firewise Program in the County, especially around the Meadow Grounds Lake, Cowans Gap State Park, and Breezewood Park. Part of this initiative could include visual development of impacted areas, public service announcements, and educational outreach to farmers, hunters, campers, hikers, school children, and homeowners in the Wildland-Urban Interface.	X	X	X	X	X	X	X	X	X	X	X	X	X
FC-30: Identify and apply for funding to enhance the County’s radio system.	X	X	X	X	X	X	X	X	X	X	X	X	X
FC-31: Identify and apply for funding to upgrade emergency responders’ radio equipment.	X	X	X	X	X	X	X	X	X	X	X	X	X
FC-32: Install dry hydrant locations along PA-655 to assist the Needmore Fire Company.	X	X	X	X	X	X	X	X	X	X	X	X	X
FC-33: Protect natural wetlands that may absorb floodwaters. The benefits of this action would be described in other collateral developed for related initiatives.	X	X	X	X	X	X	X	X	X	X	X	X	X
FC-34: Implement programs deemed necessary by the Conservation District.	X	X	X	X	X	X	X	X	X	X	X	X	X
FC-35: Coordinate with the conservation and extension offices to provide education and training to emergency responders, managers, and municipal officials. Topic focuses could include modules from the Emergency Operations Plan, Crisis Communications, volunteer management, and recovery/resilience strategies.	X	X	X	X	X	X	X	X	X	X	X	X	X
FC-36: Encourage major employers and other facilities to participate in the secondary StormReady programs. Such encouragement could occur through digital and print collateral, personal outreach, and speaking events at local service organizations (e.g., Rotary or Chamber events).	X	X	X	X	X	X	X	X	X	X	X	X	X
FC-37: Seek relevant input from all departments during the pre-impact, impact, and post-impact phases of an emergency.	X	X	X	X	X	X	X	X	X	X	X	X	X
FC-38: Identify and fill gaps in information needed to conduct vulnerability analysis in hazard areas.	X	X	X	X	X	X	X	X	X	X	X	X	X
FC-39: Evaluate existing road capacity with concern to increased truck and other traffic on local roads, and implement road improvements, as applicable.	X	X	X	X	X	X	X	X	X	X	X	X	X

Actions	Municipalities												
	Fulton County	Ayr Township	Belfast Township	Bethel Township	Brush Creek Township	Dublin Township	Licking Creek Township	McConnellsburg	Taylor Township	Thompson Township	Todd Township	Union Township	Wells Township
FC-40: In Thompson Township, upgrade and realign the intersection of Dent Road (T-343) and Timber Ridge Road (S.R. 2005) to allow for the passage of emergency vehicles.	X									X			
FC-41: In Taylor Township, conduct road improvements on Davis Lane (T-423).	X								X				
FC-42: In Taylor Township, conduct intersection improvements and cut the bank back at Frick Road and Waterfall Road.	X								X				
FC-43: In Union Township, conduct intersection improvements at Harmonia Road (S.R. 3002) and Lehman Road (T-308).	X											X	
FC-44: In Union Township, conduct intersection improvements at Harmonia Road (S.R. 3002) and Stahle Road (T-314).	X											X	
FC-45: In Dublin Township, conduct intersection improvements at Waterfall Road (S.R. 475) and Battle Ridge Road (T-426).	X					X							
FC-46: In Ayr Township, identify correction actions on Great Cove Road (S.R. 522) by Whipporwill Lane to alleviate transportation accidents and dangerous bus stop conditions to road curve.	X	X											
FC-47: In Taylor Township, identify and coordinate with PennDOT to implement infrastructure improvements to the two state bridges along 655 between Waterfall Road and Hustontown.	X								X				
FC-48: In Thompson Township, replace the corrugated metal culvert carrying West Orchard Road (T-305) over Ditch Run.	X									X			
FC-49: In Union Township, maintain and upgrade Bridge No. 3 on Zachs Ridge Road (T-330), as needed.	X											X	

Mitigation Action Worksheet

Municipality(ies):	Action
Fulton County, Ayr Township, Belfast Township, Bethel Township, Brush Creek Township, Dublin Township, Licking Creek Township, McConnellsburg Borough, Taylor Township, Thompson Township, Todd Township, Union Township, Wells Township	Develop and conduct refresher courses and trainings for citizens involved with former County Community Emergency Response Team (CERT) and Citizen Corps. Sample supplemental activities could include website, e-blast, and flyers to advertise opportunities.
Action Number:	
FC-1	
Location (address, lat/long)	
	Countywide
Mitigation Technique Category	
	EAP
Hazard(s) Addressed	
	All
Priority (High, Medium, Low)	
	Medium
Estimated Cost	
	Low
Potential Funding Streams	
	FEMA, State, County
Timeline	
	OG
Lead Agency/Department	
	County EMA/9-1-1
Support Agency(ies)/ Department(s)	
	Municipalities
Project Point of Contact	
Name	Ruth Strait
Title	Director
Agency/Department	Fulton County EMA/9-1-1
Phone	717-485-3201
E-mail	rstrait@co.fulton.pa.us

Mitigation Technique Category

- Local Plans and Regulations (LPR) – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.
- Structure and Infrastructure Project (SIP) – These actions involve (1) modifying existing structures and infrastructure to protect them from a hazard, or (2) removing them from a hazard area. This could apply to public or private structures as well as critical facilities and infrastructure. This type of action also includes projects to construct manmade structures to reduce the impact of hazards.
- Natural Systems Protection (NSP) – These are actions that minimize damage and losses, and also preserve or restore the functions of natural systems.
- Education and Awareness Programs (EAP) – These are actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. These actions may also include participation in national programs, such as StormReady and Firewise Communities.

Costs:

If an estimated cost is known, please provide or use the following ranges:

Low = < \$10,000 *Medium* = \$10,000 to \$100,000 *High* = > \$100,000

If costs have not been estimated, please use the following categories:

- Low* Possible to fund under existing budget. Project is part of, or can be part of, an existing on-going program.
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- High* Would require an increase in revenue via an alternative source (i.e., bonds, grants, fee increases) to implement. Existing funding levels are not adequate to cover the costs of the proposed project.

Timeline:

Short Term = 1 to 5 years

OG = On-going program

Long-Term = 5 years or greater

DOF = Depending on funding

Mitigation Action Worksheet

Municipality(ies):	Action
Fulton County, Ayr Township, Belfast Township, Bethel Township, Brush Creek Township, Dublin Township, Licking Creek Township, McConnellsburg Borough, Taylor Township, Thompson Township, Todd Township, Union Township, Wells Township	Begin the process to review and revise existing subdivision and land development regulations to minimize flood risk, subsidence/sinkhole risk, and other hazard risks as appropriate. This effort may be multi-municipal/regional, as interest and priorities allow. County can consider public outreach activities (newsletters, e-blasts, and public presentations) to demonstrate inclusiveness, transparency, and multi-municipal/regional collaboration.
Action Number:	
FC-2	
Location (address, lat/long)	Countywide
Mitigation Technique Category	LPR
Hazard(s) Addressed	Flood, Subsidence/Sinkhole, Dam Failure, Environmental Hazards, Earthquake, Landslide, Transportation Accident
Priority (High, Medium, Low)	High
Estimated Cost	Medium
Potential Funding Streams	FEMA HMGP, State, County, Municipal
Timeline	Short Term
Lead Agency/Department	County Planning
Support Agency(ies)/ Department(s)	County EMA/9-1-1, Municipalities
Project Point of Contact	
Name	Mary K. Seville
Title	Director
Agency/Department	Fulton County Planning Commission
Phone	717-485-3717
E-mail	mkseville@co.fulton.pa.us

Mitigation Technique Category

- *Local Plans and Regulations (LPR) – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.*
- *Structure and Infrastructure Project (SIP) – These actions involve (1) modifying existing structures and infrastructure to protect them from a hazard, or (2) removing them from a hazard area. This could apply to public or private structures as well as critical facilities and infrastructure. This type of action also includes projects to construct manmade structures to reduce the impact of hazards.*
- *Natural Systems Protection (NSP) – These are actions that minimize damage and losses, and also preserve or restore the functions of natural systems.*
- *Education and Awareness Programs (EAP) – These are actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. These actions may also include participation in national programs, such as StormReady and Firewise Communities.*

Costs:

If an estimated cost is known, please provide or use the following ranges:

Low = < \$10,000 Medium = \$10,000 to \$100,000 High = > \$100,000

If costs have not been estimated, please use the following categories:

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- High Would require an increase in revenue via an alternative source (i.e., bonds, grants, fee increases) to implement. Existing funding levels are not adequate to cover the costs of the proposed project.*

Timeline:

Short Term = 1 to 5 years

OG = On-going program

Long-Term = 5 years or greater

DOF = Depending on funding

Mitigation Action Worksheet

Municipality(ies):	Action
Fulton County, Ayr Township, Belfast Township, Bethel Township, Brush Creek Township, Dublin Township, Licking Creek Township, McConnellsburg Borough, Taylor Township, Thompson Township, Todd Township, Union Township, Wells Township	Develop and implement an enhanced all-hazards, public outreach / education / mitigation information program on natural hazard risks and a non-technical explanation of what residents can do in the way of mitigation and preparedness, including flood insurance. This effort would be a multi-media campaign that may range from bill inserts, to flyers, posters, public service announcements, social media, tri-fold brochures, and event booths. Outreach will target vulnerable populations and will be modular in size, scale, and reach.
Action Number:	
FC-3	
Location (address, lat/long)	Countywide
Mitigation Technique Category	EAP
Hazard(s) Addressed	All
Priority (High, Medium, Low)	Medium
Estimated Cost	Low
Potential Funding Streams	FEMA, State, County
Timeline	OG
Lead Agency/Department	County EMA/9-1-1
Support Agency(ies)/ Department(s)	County Planning, Municipalities
Project Point of Contact	
Name	Ruth Strait
Title	Director
Agency/Department	Fulton County EMA/9-1-1
Phone	717-485-3201
E-mail	rstrait@co.fulton.pa.us

Mitigation Technique Category

- Local Plans and Regulations (LPR) – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.
- Structure and Infrastructure Project (SIP) – These actions involve (1) modifying existing structures and infrastructure to protect them from a hazard, or (2) removing them from a hazard area. This could apply to public or private structures as well as critical facilities and infrastructure. This type of action also includes projects to construct manmade structures to reduce the impact of hazards.
- Natural Systems Protection (NSP) – These are actions that minimize damage and losses, and also preserve or restore the functions of natural systems.
- Education and Awareness Programs (EAP) – These are actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. These actions may also include participation in national programs, such as StormReady and Firewise Communities.

Costs:

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- High* Would require an increase in revenue via an alternative source (i.e., bonds, grants, fee increases) to implement. Existing funding levels are not adequate to cover the costs of the proposed project.

Timeline:

Short Term = 1 to 5 years

OG = On-going program

Long-Term = 5 years or greater

DOF = Depending on funding

Mitigation Action Worksheet

Municipality(ies):	Action
Fulton County, Ayr Township, Belfast Township, Bethel Township, Brush Creek Township, Dublin Township, Licking Creek Township, McConnellsburg Borough, Taylor Township, Thompson Township, Todd Township, Union Township, Wells Township	Encourage cross-training of existing personnel or utilize County personnel resources, as timing and funding permit, to enhance local administrative and technical ability. Areas for further professional development may include planning expertise, floodplain administration, hazard/risk management, grant writing and funding, and cost/benefit analysis.
Action Number:	
FC-4	
Location (address, lat/long)	
	Countywide
Mitigation Technique Category	
	EAP
Hazard(s) Addressed	
	All
Priority (High, Medium, Low)	
	Medium
Estimated Cost	
	Low
Potential Funding Streams	
	FEMA, State, County
Timeline	
	OG
Lead Agency/Department	
	County EMA/9-1-1, County Planning
Support Agency(ies)/ Department(s)	
	Municipalities
Project Point of Contact	
Name	Ruth Strait
Title	Director
Agency/Department	Fulton County EMA/9-1-1
Phone	717-485-3201
E-mail	rstrait@co.fulton.pa.us

Mitigation Technique Category

- Local Plans and Regulations (LPR) – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.
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Costs:

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Timeline:

Short Term = 1 to 5 years

OG = On-going program

Long-Term = 5 years or greater

DOF = Depending on funding

Mitigation Action Worksheet

Municipality(ies):	Action
Fulton County, Ayr Township, Belfast Township, Bethel Township, Brush Creek Township, Dublin Township, Licking Creek Township, McConnellsburg Borough, Taylor Township, Thompson Township, Todd Township, Union Township, Wells Township	Evaluate the need for a voluntary animal waste/manure/fertilizer self-reporting program for farmers, Concentrated Animal Feeding Operation (CAFO) facilities, and other relevant organizations to utilize so that the County can more accurately estimate the amount of hazardous biological waste transported through the County and so that additional mitigation/safety measures may be implemented, if necessary.
Action Number:	This initiative can be completed through the development of educational materials and speakers from the National Fish and Wildlife Foundation, EPA, and Chesapeake Bay Foundation, with a targeted focus to Farm Bureau, Grange and Conservation Districts.
FC-5	
Location (address, lat/long)	Countywide
Mitigation Technique Category	LPR, NSP
Hazard(s) Addressed	Environmental Hazards
Priority (High, Medium, Low)	Medium
Estimated Cost	Medium
Potential Funding Streams	FEMA, EPA, State, County
Timeline	Short Term
Lead Agency/Department	County Planning
Support Agency(ies)/ Department(s)	County EMA/9-1-1, Fulton County Conservation District
Project Point of Contact	
Name	Mary K. Seville
Title	Director
Agency/Department	Fulton County Planning Commission
Phone	717-485-3717
E-mail	mkseville@co.fulton.pa.us

Mitigation Technique Category

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Costs:

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Timeline:

Short Term = 1 to 5 years

OG = On-going program

Long-Term = 5 years or greater

DOF = Depending on funding

Mitigation Action Worksheet

Municipality(ies):	Action
Fulton County, Ayr Township, Belfast Township, Bethel Township, Brush Creek Township, Dublin Township, Licking Creek Township, McConnellsburg Borough, Taylor Township, Thompson Township, Todd Township, Union Township, Wells Township	<p>Create and maintain a web-based inventory of the County's special needs population to strengthen emergency response and evacuation operations.</p> <p>As part of this effort, the County will disseminate outreach/education materials to explain the benefits of the program, as well as its voluntary and confidential nature. Outreach will be targeted at senior centers, intermediate units, healthcare providers, and faith-based organizations interfacing with these populations.</p>
Action Number:	
FC-6	
Location (address, lat/long)	Countywide
Mitigation Technique Category	LPR, EAP
Hazard(s) Addressed	All
Priority (High, Medium, Low)	Low
Estimated Cost	Medium
Potential Funding Streams	FEMA, DHHS, State, County
Timeline	OG
Lead Agency/Department	County Planning
Support Agency(ies)/ Department(s)	County EMA/9-1-1, County Human Services Administration, County Aging Services
Project Point of Contact	
Name	Mary K. Seville
Title	Director
Agency/Department	Fulton County Planning Commission
Phone	717-485-3717
E-mail	mkseville@co.fulton.pa.us

Mitigation Technique Category

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Timeline:

Short Term = 1 to 5 years

OG = On-going program

Long-Term = 5 years or greater

DOF = Depending on funding

Mitigation Action Worksheet

Municipality(ies):	Action
Fulton County, Ayr Township, Belfast Township, Bethel Township, Brush Creek Township, Dublin Township, Licking Creek Township, McConnellsburg Borough, Taylor Township, Thompson Township, Todd Township, Union Township, Wells Township	Ensure all applicable private industrial, commercial, and public utility service providers have a current Environmental Emergency Response Plan per the Federal Clean Water Act the Pennsylvania Clean Streams Law (35 P.S. §§691.1-691.1001), the Pennsylvania Solid Waste Management Act, the Pennsylvania Storage Tank Act, the Oil Pollution Act and regulations promulgated thereunder.
Action Number:	
FC-7	
Location (address, lat/long)	Countywide
Mitigation Technique Category	LPR
Hazard(s) Addressed	Environmental Hazards, Flood
Priority (High, Medium, Low)	High
Estimated Cost	Low
Potential Funding Streams	County, Municipal
Timeline	OG
Lead Agency/Department	County Planning
Support Agency(ies)/ Department(s)	County EMA/9-1-1, Fulton County Conservation District
Project Point of Contact	
Name	Mary K. Seville
Title	Director
Agency/Department	Fulton County Planning Commission
Phone	717-485-3717
E-mail	mkseville@co.fulton.pa.us

Mitigation Technique Category

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If costs have not been estimated, please use the following categories:

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- Medium* Could budget for under existing work plan, but would require a reapportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.
- High* Would require an increase in revenue via an alternative source (i.e., bonds, grants, fee increases) to implement. Existing funding levels are not adequate to cover the costs of the proposed project.

Timeline:

Short Term = 1 to 5 years

OG = On-going program

Long-Term = 5 years or greater

DOF = Depending on funding

Mitigation Action Worksheet

Municipality(ies):	Action
Fulton County, Ayr Township, Belfast Township, Bethel Township, Brush Creek Township, Dublin Township, Licking Creek Township, McConnellsburg Borough, Taylor Township, Thompson Township, Todd Township, Union Township, Wells Township	Strengthen the County's domestic animal health surveillance by familiarizing the Fulton County agricultural community with the list of reportable diseases and conditions related to animal health per the Office of International Epizootics (OIE) and the Pennsylvania Domestic Animal Act (Act 100 of 1996). Outreach would be targeted at organizations such as the PSU Cooperation Extension service, Grange Halls, CAFOs, feed and farm supply vendors, the Farm Bureau, Rural Electric Cooperatives and other farm cooperatives, and veterinary practices.
Action Number:	
FC-8	
Location (address, lat/long)	Countywide
Mitigation Technique Category	EAP
Hazard(s) Addressed	Environmental Hazards
Priority (High, Medium, Low)	High
Estimated Cost	Low
Potential Funding Streams	County, Municipal
Timeline	OG
Lead Agency/Department	County Planning
Support Agency(ies)/ Department(s)	County EMA/9-1-1, Fulton County Conservation District
Project Point of Contact	
Name	Mary K. Seville
Title	Director
Agency/Department	Fulton County Planning Commission
Phone	717-485-3717
E-mail	mkseville@co.fulton.pa.us

Mitigation Technique Category

- Local Plans and Regulations (LPR) – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.
- Structure and Infrastructure Project (SIP) – These actions involve (1) modifying existing structures and infrastructure to protect them from a hazard, or (2) removing them from a hazard area. This could apply to public or private structures as well as critical facilities and infrastructure. This type of action also includes projects to construct manmade structures to reduce the impact of hazards.
- Natural Systems Protection (NSP) – These are actions that minimize damage and losses, and also preserve or restore the functions of natural systems.
- Education and Awareness Programs (EAP) – These are actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. These actions may also include participation in national programs, such as StormReady and Firewise Communities.

Costs:

If an estimated cost is known, please provide or use the following ranges:

Low = < \$10,000 *Medium* = \$10,000 to \$100,000 *High* = > \$100,000

If costs have not been estimated, please use the following categories:

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Timeline:

Short Term = 1 to 5 years

OG = On-going program

Long-Term = 5 years or greater

DOF = Depending on funding

Mitigation Action Worksheet

Municipality(ies):	Action
Fulton County, Ayr Township, Belfast Township, Bethel Township, Brush Creek Township, Dublin Township, Licking Creek Township, McConnellsburg Borough, Taylor Township, Thompson Township, Todd Township, Union Township, Wells Township	Work with the County's agricultural community to develop and implement the County Animal Response Team (CART) to strengthen the County's comprehensive emergency management program. Outreach would be targeted at organizations such as the PSU Cooperation Extension service, Grange Halls, CAFOs, feed and farm supply vendors, the Farm Bureau, Rural Electric Cooperatives and other farm cooperatives, and veterinary practices.
Action Number:	
FC-9	
Location (address, lat/long)	Countywide
Mitigation Technique Category	LPR
Hazard(s) Addressed	All
Priority (High, Medium, Low)	Low
Estimated Cost	Medium
Potential Funding Streams	State, County
Timeline	Short Term
Lead Agency/Department	County EMA/9-1-1
Support Agency(ies)/ Department(s)	County Planning, Fulton County Conservation District
Project Point of Contact	
Name	Ruth Strait
Title	Director
Agency/Department	Fulton County EMA/9-1-1
Phone	717-485-3201
E-mail	rstrait@co.fulton.pa.us

Mitigation Technique Category

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Costs:

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Timeline:

Short Term = 1 to 5 years

OG = On-going program

Long-Term = 5 years or greater

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Mitigation Action Worksheet

Municipality(ies):	Action
Fulton County, Ayr Township, Belfast Township, Bethel Township, Brush Creek Township, Dublin Township, Licking Creek Township, McConnellsburg Borough, Taylor Township, Thompson Township, Todd Township, Union Township, Wells Township	Collaborate with the DEP Bureau of Radiation Protection to ensure the State's Radon Awareness Campaign and public service announcements are disseminated throughout Fulton County. This could include collateral and website development/links, County public service announcements, and social media development.
Action Number:	
FC-10	
Location (address, lat/long)	Countywide
Mitigation Technique Category	EAP
Hazard(s) Addressed	Radon Exposure
Priority (High, Medium, Low)	High
Estimated Cost	Low
Potential Funding Streams	FEMA, PA DEP, County
Timeline	OG
Lead Agency/Department	County EMA/9-1-1
Support Agency(ies)/ Department(s)	County Planning, PA DEP, Municipalities
Project Point of Contact	
Name	Ruth Strait
Title	Director
Agency/Department	Fulton County EMA/9-1-1
Phone	717-485-3201
E-mail	rstrait@co.fulton.pa.us

Mitigation Technique Category

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Timeline:

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OG = On-going program

Long-Term = 5 years or greater

DOF = Depending on funding

Mitigation Action Worksheet

Municipality(ies):	Action
Dublin Township	Obtain an engineering study to redesign the intersection at Taylor Rd and Waterfall Rd in Dublin Township. Currently, emergency vehicles have difficulty making the turn at this intersection.
Action Number:	
FC-11	
Location (address, lat/long)	
Intersection of Taylor Rd and Waterfall Rd	
Mitigation Technique Category	
SIP	
Hazard(s) Addressed	Transportation Accident
Priority (High, Medium, Low)	Low
Estimated Cost	Medium
Potential Funding Streams	FEMA HMGP and PDM, State, County, Township
Timeline	Short Term
Lead Agency/Department	Dublin Township
Support Agency(ies)/ Department(s)	County Planning
Project Point of Contact	
Name	Jeffrey Croft
Title	Chairman
Agency/Department	Dublin Township
Phone	717-491-0676
E-mail	Jcroft1961@yahoo.com

Mitigation Technique Category

- Local Plans and Regulations (LPR) – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.
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Costs:

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Timeline:

Short Term = 1 to 5 years

OG = On-going program

Long-Term = 5 years or greater

DOF = Depending on funding

Mitigation Action Worksheet

Municipality(ies):	Action
Dublin Township	Research corrective actions needed to improve the condition of Tannery Road Bridge in Dublin Township, and implement appropriate weight limit controls and other follow-up actions. Note: Bridge now has weight limit after last inspection.
Action Number:	
FC-12	
Location (address, lat/long)	
Tannery Rd. Bridge	
Mitigation Technique Category	
SIP	
Hazard(s) Addressed	
Transportation Accident, Flood	
Priority (High, Medium, Low)	
Medium	
Estimated Cost	
Medium	
Potential Funding Streams	
FEMA HMGP and PDM, State, County, Township	
Timeline	
Short Term	
Lead Agency/Department	
Dublin Township	
Support Agency(ies)/Department(s)	
County EMA/9-1-1	
Project Point of Contact	
Name	Jeffrey Croft
Title	Chairman
Agency/Department	Dublin Township
Phone	717-491-0676
E-mail	Jcroft1961@yahoo.com

Mitigation Technique Category

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Costs:

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Timeline:

Short Term = 1 to 5 years

OG = On-going program

Long-Term = 5 years or greater

DOF = Depending on funding

Mitigation Action Worksheet

Municipality(ies):	Action
Dublin Township	Research corrective action to prevent flooding of Park Rd. in Dublin Township, and implement, if feasible.
Action Number: FC-13	
Location (address, lat/long)	Park Rd
Mitigation Technique Category	SIP
Hazard(s) Addressed	Transportation Accident, Flood
Priority (High, Medium, Low)	Medium
Estimated Cost	Medium
Potential Funding Streams	FEMA HMGP and PDM, State, County, Township
Timeline	Short Term
Lead Agency/Department	Dublin Township
Support Agency(ies)/ Department(s)	County EMA/9-1-1
Project Point of Contact	
Name	Jeffrey Croft
Title	Chairman
Agency/Department	Dublin Township
Phone	717-491-0676
E-mail	Jcroft1961@yahoo.com

Mitigation Technique Category

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Timeline:

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Long-Term = 5 years or greater

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Mitigation Action Worksheet

Municipality(ies):	Action
Belfast Township	In Belfast Township, cut the bank back at 278 Black Bear Road to improve sight distance and to allow more distance on the road.
Action Number: FC-14	
Location (address, lat/long)	278 Black Bear Rd., Needmore, PA
Mitigation Technique Category	SIP
Hazard(s) Addressed	Transportation Accidents
Priority (High, Medium, Low)	Low for County-wide action priority, Medium for Township-level priority
Estimated Cost	Low
Potential Funding Streams	FEMA HMGP and PDM, State, County, Township
Timeline	Short Term
Lead Agency/Department	Belfast Township
Support Agency(ies)/Department(s)	PennDOT, County Planning, County EMA/9-1-1
Name	Richard Harr
Title	Supervisor
Agency/Department	Belfast Township
Phone	717-573-4237
E-mail	belfasttwp@frontier.com

Mitigation Technique Category

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Costs:

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Timeline:

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OG = On-going program

Long-Term = 5 years or greater

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Mitigation Action Worksheet

Municipality(ies):	Action
Union Township	In Union Township, continue to pursue political channels and collaboration with state agencies (e.g., PennDOT) to study and maintain the slide area on T-366 (Old 126).
Action Number: FC-15	
Location (address, lat/long)	Amaranth Interchange of Interstate 70
Mitigation Technique Category	SIP, LPR
Hazard(s) Addressed	Landslide, Subsidence/Sinkholes, Transportation Accidents
Priority (High, Medium, Low)	High
Estimated Cost	Low (However, cost of road project maintenance is high - \$1 million +, as estimated by PennDOT).
Potential Funding Streams	County, Township (However, federal or state funding needed for road project maintenance and repair work).
Timeline	OG
Lead Agency/Department	Union Township
Support Agency(ies)/ Department(s)	Bethel Township, PennDOT, Fulton County Conservation District (FCCD), County Planning, County EMA/9-1-1
Project Point of Contact	
Name	Carolyn M. Wills
Title	Secretary/Treasurer
Agency/Department	Union Township
Phone	717-294-6251
E-mail	Union_township@frontier.com

Note: Reason for including Bethel Township and FCCD.

PennDOT obtained an Erosion and Sediment Control Plan from the FCCD Office during construction at the slide site. T-366 (Old 126) is located in both Union and Bethel Township; however, the slide area is located in Union Township. The slide is causing T-366 (Old 126) to move down slope, creating a significant dip in the roadway. The dip is maintained by adding slate and blacktop material.

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Timeline:

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OG = On-going program

Long-Term = 5 years or greater

DOF = Depending on funding

Mitigation Action Worksheet

Municipality(ies):	Action
Ayr Township	In Ayr Township, identify and implement response to manage stormwater runoff along Route 16, from True Value to Citgo Station.
Action Number: FC-16	
Location (address, lat/long)	
	State Route 16 (from True Value to Citgo Station)
Mitigation Technique Category	
	SIP
Hazard(s) Addressed	Flood, Transportation Accident
Priority (High, Medium, Low)	Medium
Estimated Cost	Medium
Potential Funding Streams	FEMA HMGP and PDM, State, County, Township
Timeline	Short Term
Lead Agency/Department	Ayr Township, PennDOT
Support Agency(ies)/ Department(s)	County Planning, County EMA/9-1-1
Project Point of Contact	
Name	Denise Grissinger
Title	Secretary
Agency/Department	Ayr Township
Phone	717-485-4907
E-mail	drg@pa.net

Mitigation Technique Category

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Costs:

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Long-Term = 5 years or greater

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Mitigation Action Worksheet

Municipality(ies):	Action
Fulton County, Ayr Township, Belfast Township, Bethel Township, Brush Creek Township, Dublin Township, Licking Creek Township, McConnellsburg Borough, Taylor Township, Thompson Township, Todd Township, Union Township, Wells Township	Conduct workshops and training for municipal officials on the benefits of land use regulations to protect new and existing structures and infrastructure.
Action Number:	
FC-17	
Location (address, lat/long)	
	Countywide
Mitigation Technique Category	
	EAP
Hazard(s) Addressed	
	All
Priority (High, Medium, Low)	
	Medium
Estimated Cost	
	Low
Potential Funding Streams	
	FEMA, State, County
Timeline	
	OG
Lead Agency/Department	
	County Planning
Support Agency(ies)/ Department(s)	
	Municipalities
Project Point of Contact	
Name	Mary K. Seville
Title	Director
Agency/Department	Fulton County Planning Commission
Phone	717-485-3717
E-mail	mkseville@co.fulton.pa.us

Mitigation Technique Category

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Long-Term = 5 years or greater

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Mitigation Action Worksheet

Municipality(ies):	Action
Fulton County, Ayr Township, Belfast Township, Bethel Township, Brush Creek Township, Dublin Township, Licking Creek Township, McConnellsburg Borough, Taylor Township, Thompson Township, Todd Township, Union Township, Wells Township	Conduct, sponsor, or facilitate grant writing trainings for municipal officials and other relevant personnel.
Action Number:	
FC-18	
Location (address, lat/long)	
	Countywide
Mitigation Technique Category	
	EAP
Hazard(s) Addressed	
	All
Priority (High, Medium, Low)	
	Medium
Estimated Cost	
	Low
Potential Funding Streams	
	State, County
Timeline	
	OG
Lead Agency/Department	
	County Planning
Support Agency(ies)/ Department(s)	
	Municipalities
Project Point of Contact	
Name	Mary K. Seville
Title	Director
Agency/Department	Fulton County Planning Commission
Phone	717-485-3717
E-mail	mkseville@co.fulton.pa.us

Mitigation Technique Category

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Costs:

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OG = On-going program

Long-Term = 5 years or greater

DOF = Depending on funding

Mitigation Action Worksheet

Municipality(ies):	Action
Todd Township	Replace three tiles on Johnstons Drive, in Todd Township, with one squash tile.
Action Number: FC-19	
Location (address, lat/long)	
	Johnstons Drive
Mitigation Technique Category	
	SIP
Hazard(s) Addressed	
	Transportation Accident
Priority (High, Medium, Low)	
	Medium
Estimated Cost	
	Medium
Potential Funding Streams	
	FEMA HMGP and PDM, State, County, Township
Timeline	
	Short Term
Lead Agency/Department	
	Todd Township
Support Agency(ies)/ Department(s)	
	County Planning
Project Point of Contact	
Name	Marcie Mellott
Title	Secretary
Agency/Department	Todd Township
Phone	717-987-3812
E-mail	toddtownship@comcast.net

Mitigation Technique Category

- Local Plans and Regulations (LPR) – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.
- Structure and Infrastructure Project (SIP) – These actions involve (1) modifying existing structures and infrastructure to protect them from a hazard, or (2) removing them from a hazard area. This could apply to public or private structures as well as critical facilities and infrastructure. This type of action also includes projects to construct manmade structures to reduce the impact of hazards.
- Natural Systems Protection (NSP) – These are actions that minimize damage and losses, and also preserve or restore the functions of natural systems.
- Education and Awareness Programs (EAP) – These are actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. These actions may also include participation in national programs, such as StormReady and Firewise Communities.

Costs:

If an estimated cost is known, please provide or use the following ranges:

Low = < \$10,000 Medium = \$10,000 to \$100,000 High = > \$100,000

If costs have not been estimated, please use the following categories:

- Low Possible to fund under existing budget. Project is part of, or can be part of, an existing on-going program.*
- Medium Could budget for under existing work plan, but would require a reapportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.*
- High Would require an increase in revenue via an alternative source (i.e., bonds, grants, fee increases) to implement. Existing funding levels are not adequate to cover the costs of the proposed project.*

Timeline:

Short Term = 1 to 5 years

OG = On-going program

Long-Term = 5 years or greater

DOF = Depending on funding

Mitigation Action Worksheet

Municipality(ies):	Action
Licking Creek Township	Construct a bridge on Creek Road (T-388) in Licking Creek Township over the Creek fording.
Action Number: FC-20	
Location (address, lat/long)	Creek Road by fording
Mitigation Technique Category	SIP
Hazard(s) Addressed	Transportation Accident
Priority (High, Medium, Low)	Medium
Estimated Cost	High
Potential Funding Streams	FEMA HMGP and PDM, State, County, Township
Timeline	Short Term
Lead Agency/Department	Licking Creek Township
Support Agency(ies)/ Department(s)	County Planning
Project Point of Contact	
Name	LuAnne Keebaugh
Title	Secretary/Treasurer
Agency/Department	Licking Creek Township
Phone	717-830-3115
E-mail	Lickingcreek01@frontiernet.net

Mitigation Technique Category

- Local Plans and Regulations (LPR) – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.
- Structure and Infrastructure Project (SIP) – These actions involve (1) modifying existing structures and infrastructure to protect them from a hazard, or (2) removing them from a hazard area. This could apply to public or private structures as well as critical facilities and infrastructure. This type of action also includes projects to construct manmade structures to reduce the impact of hazards.
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- Education and Awareness Programs (EAP) – These are actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. These actions may also include participation in national programs, such as StormReady and Firewise Communities.

Costs:

If an estimated cost is known, please provide or use the following ranges:

Low = < \$10,000 Medium = \$10,000 to \$100,000 High = > \$100,000

If costs have not been estimated, please use the following categories:

- Low Possible to fund under existing budget. Project is part of, or can be part of, an existing on-going program.*
- Medium Could budget for under existing work plan, but would require a reapportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.*
- High Would require an increase in revenue via an alternative source (i.e., bonds, grants, fee increases) to implement. Existing funding levels are not adequate to cover the costs of the proposed project.*

Timeline:

Short Term = 1 to 5 years

OG = On-going program

Long-Term = 5 years or greater

DOF = Depending on funding

Mitigation Action Worksheet

Municipality(ies):	Action
Bethel Township	Increase visibility at the intersection of Great Cove Road (US-522) and Alpine Road in Bethel Township.
Action Number: FC-21	
Location (address, lat/long)	Great Cove Road (US-522) and Alpine Road
Mitigation Technique Category	SIP
Hazard(s) Addressed	Transportation Accident
Priority (High, Medium, Low)	Low
Estimated Cost	Medium
Potential Funding Streams	FEMA HMGP and PDM, State, County, Township
Timeline	Short Term
Lead Agency/Department	Bethel Township
Support Agency(ies)/ Department(s)	County Planning
Project Point of Contact	
Name	Ray Powell
Title	Chairman
Agency/Department	Bethel Township
Phone	717-294-6583
E-mail	betheltwp@frontiernet.net

Mitigation Technique Category

- Local Plans and Regulations (LPR) – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.
- Structure and Infrastructure Project (SIP) – These actions involve (1) modifying existing structures and infrastructure to protect them from a hazard, or (2) removing them from a hazard area. This could apply to public or private structures as well as critical facilities and infrastructure. This type of action also includes projects to construct manmade structures to reduce the impact of hazards.
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- Education and Awareness Programs (EAP) – These are actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. These actions may also include participation in national programs, such as StormReady and Firewise Communities.

Costs:

If an estimated cost is known, please provide or use the following ranges:

Low = < \$10,000 Medium = \$10,000 to \$100,000 High = > \$100,000

If costs have not been estimated, please use the following categories:

- Low Possible to fund under existing budget. Project is part of, or can be part of, an existing on-going program.*
- Medium Could budget for under existing work plan, but would require a reapportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.*
- High Would require an increase in revenue via an alternative source (i.e., bonds, grants, fee increases) to implement. Existing funding levels are not adequate to cover the costs of the proposed project.*

Timeline:

Short Term = 1 to 5 years

OG = On-going program

Long-Term = 5 years or greater

DOF = Depending on funding

Mitigation Action Worksheet

Municipality(ies):	Action
Bethel Township	Increase visibility at the intersection of Great Cove Road (US-522) and Bethel Church Road in Bethel Township
Action Number: FC-22	
Location (address, lat/long)	Great Cove Road (US-522) and Bethel Church Road
Mitigation Technique Category	SIP
Hazard(s) Addressed	Transportation Accident
Priority (High, Medium, Low)	Low
Estimated Cost	Medium
Potential Funding Streams	FEMA HMGP and PDM, State, County, Township
Timeline	Short Term
Lead Agency/Department	Bethel Township
Support Agency(ies)/ Department(s)	County Planning
Project Point of Contact	
Name	Ray Powell
Title	Chairman
Agency/Department	Bethel Township
Phone	717-294-6583
E-mail	betheltwp@frontiernet.net

Mitigation Technique Category

- *Local Plans and Regulations (LPR) – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.*
- *Structure and Infrastructure Project (SIP) – These actions involve (1) modifying existing structures and infrastructure to protect them from a hazard, or (2) removing them from a hazard area. This could apply to public or private structures as well as critical facilities and infrastructure. This type of action also includes projects to construct manmade structures to reduce the impact of hazards.*
- *Natural Systems Protection (NSP) – These are actions that minimize damage and losses, and also preserve or restore the functions of natural systems.*
- *Education and Awareness Programs (EAP) – These are actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. These actions may also include participation in national programs, such as StormReady and Firewise Communities.*

Costs:

If an estimated cost is known, please provide or use the following ranges:

Low = < \$10,000 Medium = \$10,000 to \$100,000 High = > \$100,000

If costs have not been estimated, please use the following categories:

- Low Possible to fund under existing budget. Project is part of, or can be part of, an existing on-going program.*
- Medium Could budget for under existing work plan, but would require a reapportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.*
- High Would require an increase in revenue via an alternative source (i.e., bonds, grants, fee increases) to implement. Existing funding levels are not adequate to cover the costs of the proposed project.*

Timeline:

Short Term = 1 to 5 years

OG = On-going program

Long-Term = 5 years or greater

DOF = Depending on funding

Mitigation Action Worksheet

Municipality(ies):	Action
Bethel Township	Increase visibility at the intersection of State Route 643 and Spring Road in Bethel Township.
Action Number: FC-23	
Location (address, lat/long)	State Route 643 and Spring Rd
Mitigation Technique Category	SIP
Hazard(s) Addressed	Transportation Accident
Priority (High, Medium, Low)	Low
Estimated Cost	Medium
Potential Funding Streams	FEMA HMGP and PDM, State, County, Township
Timeline	Short Term
Lead Agency/Department	Bethel Township
Support Agency(ies)/ Department(s)	County Planning, PennDOT
Project Point of Contact	
Name	Ray Powell
Title	Chairman
Agency/Department	Bethel Township
Phone	717-294-6583
E-mail	betheltwp@frontiernet.net

Mitigation Technique Category

- Local Plans and Regulations (LPR) – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.
- Structure and Infrastructure Project (SIP) – These actions involve (1) modifying existing structures and infrastructure to protect them from a hazard, or (2) removing them from a hazard area. This could apply to public or private structures as well as critical facilities and infrastructure. This type of action also includes projects to construct manmade structures to reduce the impact of hazards.
- Natural Systems Protection (NSP) – These are actions that minimize damage and losses, and also preserve or restore the functions of natural systems.
- Education and Awareness Programs (EAP) – These are actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. These actions may also include participation in national programs, such as StormReady and Firewise Communities.

Costs:

If an estimated cost is known, please provide or use the following ranges:

Low = < \$10,000 *Medium* = \$10,000 to \$100,000 *High* = > \$100,000

If costs have not been estimated, please use the following categories:

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- High* Would require an increase in revenue via an alternative source (i.e., bonds, grants, fee increases) to implement. Existing funding levels are not adequate to cover the costs of the proposed project.

Timeline:

Short Term = 1 to 5 years

OG = On-going program

Long-Term = 5 years or greater

DOF = Depending on funding

Mitigation Action Worksheet

Municipality(ies):	Action
Bethel Township	Increase visibility at the intersection of Stoney Break Road and Black Oak Road in Bethel Township.
Action Number: FC-24	
Location (address, lat/long)	
	Intersection of Stoney Break Rd and Black Oak Rd
Mitigation Technique Category	
	SIP
Hazard(s) Addressed	Transportation Accident
Priority (High, Medium, Low)	Low
Estimated Cost	Medium
Potential Funding Streams	FEMA HMGP and PDM, State, County, Township
Timeline	Short Term
Lead Agency/Department	Bethel Township
Support Agency(ies)/ Department(s)	County Planning
Project Point of Contact	
Name	Ray Powell
Title	Chairman
Agency/Department	Bethel Township
Phone	717-294-6583
E-mail	betheltwp@frontiernet.net

Mitigation Technique Category

- Local Plans and Regulations (LPR) – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.
- Structure and Infrastructure Project (SIP) – These actions involve (1) modifying existing structures and infrastructure to protect them from a hazard, or (2) removing them from a hazard area. This could apply to public or private structures as well as critical facilities and infrastructure. This type of action also includes projects to construct manmade structures to reduce the impact of hazards.
- Natural Systems Protection (NSP) – These are actions that minimize damage and losses, and also preserve or restore the functions of natural systems.
- Education and Awareness Programs (EAP) – These are actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. These actions may also include participation in national programs, such as StormReady and Firewise Communities.

Costs:

If an estimated cost is known, please provide or use the following ranges:

Low = < \$10,000 *Medium* = \$10,000 to \$100,000 *High* = > \$100,000

If costs have not been estimated, please use the following categories:

- Low* Possible to fund under existing budget. Project is part of, or can be part of, an existing on-going program.
- Medium* Could budget for under existing work plan, but would require a reapportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.
- High* Would require an increase in revenue via an alternative source (i.e., bonds, grants, fee increases) to implement. Existing funding levels are not adequate to cover the costs of the proposed project.

Timeline:

Short Term = 1 to 5 years

OG = On-going program

Long-Term = 5 years or greater

DOF = Depending on funding

Mitigation Action Worksheet

Municipality(ies):	Action
Bethel Township	Increase visibility at the intersection of Buck Valley Road and Mays Chapel Road in Bethel Township.
Action Number: FC-25	
Location (address, lat/long)	Intersection of Buck Valley Road and Mays Chapel Road
Mitigation Technique Category	SIP
Hazard(s) Addressed	Transportation Accident
Priority (High, Medium, Low)	Low
Estimated Cost	Medium
Potential Funding Streams	FEMA HMGP and PDM, State, County, Township
Timeline	Short Term
Lead Agency/Department	Bethel Township
Support Agency(ies)/ Department(s)	County Planning
Project Point of Contact	
Name	Ray Powell
Title	Chairman
Agency/Department	Bethel Township
Phone	717-294-6583
E-mail	betheltwp@frontiernet.net

Mitigation Technique Category

- Local Plans and Regulations (LPR) – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.
- Structure and Infrastructure Project (SIP) – These actions involve (1) modifying existing structures and infrastructure to protect them from a hazard, or (2) removing them from a hazard area. This could apply to public or private structures as well as critical facilities and infrastructure. This type of action also includes projects to construct manmade structures to reduce the impact of hazards.
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Costs:

If an estimated cost is known, please provide or use the following ranges:

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If costs have not been estimated, please use the following categories:

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- High* Would require an increase in revenue via an alternative source (i.e., bonds, grants, fee increases) to implement. Existing funding levels are not adequate to cover the costs of the proposed project.

Timeline:

Short Term = 1 to 5 years

OG = On-going program

Long-Term = 5 years or greater

DOF = Depending on funding

Mitigation Action Worksheet

Municipality(ies):	Action
Fulton County, Ayr Township, Belfast Township, Bethel Township, Brush Creek Township, Dublin Township, Licking Creek Township, McConnellsburg Borough, Taylor Township, Thompson Township, Todd Township, Union Township, Wells Township	Comply with floodplain ordinance regulations by continuing to obtain information on existing and proposed new structures in the areas with the highest relative vulnerability to determine the best property protection methods. The following information should be obtained: <ul style="list-style-type: none"> • Lowest-floor elevation • Number of stories • Presence of a basement • Market and/or replacement value
Action Number:	The County and Fulton County Conservation District will support municipalities and provide training/education for floodplain managers, as needed.
FC-26	
Location (address, lat/long)	Countywide
Mitigation Technique Category	EAP, SIP
Hazard(s) Addressed	All
Priority (High, Medium, Low)	Low
Estimated Cost	Medium
Potential Funding Streams	FEMA HMGP PDM, and FMA; State; County; Municipal
Timeline	OG
Lead Agency/Department	County Planning, Municipalities
Support Agency(ies)/ Department(s)	County EMA/9-1-1, Fulton County Conservation District
Project Point of Contact	
Name	Mary K. Seville
Title	Director
Agency/Department	Fulton County Planning Commission
Phone	717-485-3717
E-mail	mkseville@co.fulton.pa.us

Mitigation Technique Category

- *Local Plans and Regulations (LPR) – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.*
- *Structure and Infrastructure Project (SIP) – These actions involve (1) modifying existing structures and infrastructure to protect them from a hazard, or (2) removing them from a hazard area. This could apply to public or private structures as well as critical facilities and infrastructure. This type of action also includes projects to construct manmade structures to reduce the impact of hazards.*
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Costs:

If an estimated cost is known, please provide or use the following ranges:

Low = < \$10,000 Medium = \$10,000 to \$100,000 High = > \$100,000

If costs have not been estimated, please use the following categories:

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- Medium Could budget for under existing work plan, but would require a reapportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.*
- High Would require an increase in revenue via an alternative source (i.e., bonds, grants, fee increases) to implement. Existing funding levels are not adequate to cover the costs of the proposed project.*

Timeline:

Short Term = 1 to 5 years

OG = On-going program

Long-Term = 5 years or greater

DOF = Depending on funding

Mitigation Action Worksheet

Municipality(ies):	Action
Fulton County, Ayr Township, Belfast Township, Bethel Township, Brush Creek Township, Dublin Township, Licking Creek Township, McConnellsburg Borough, Taylor Township, Thompson Township, Todd Township, Union Township, Wells Township	<p>Comply with floodplain ordinance regulations by continuing to obtain information for all existing and proposed new structures in the 1% chance floodplain to determine the best property protection methods to promote with individual property owners.</p> <p>The County and Fulton County Conservation District will support municipalities and provide training/education for floodplain managers, as needed.</p>
Action Number:	
FC-27	
Location (address, lat/long)	
	Countywide
Mitigation Technique Category	
	EAP, SIP
Hazard(s) Addressed	
	Flood
Priority (High, Medium, Low)	
	Low
Estimated Cost	
	Medium
Potential Funding Streams	
	FEMA HMGP, PDM, and FMA; State; County; Municipal
Timeline	
	OG
Lead Agency/Department	
	County Planning, Municipalities
Support Agency(ies)/Department(s)	
	County EMA/9-1-1, Fulton County Conservation District
Project Point of Contact	
Name	Mary K. Seville
Title	Director
Agency/Department	Fulton County Planning Commission
Phone	717-485-3717
E-mail	mkseville@co.fulton.pa.us

Mitigation Technique Category

- Local Plans and Regulations (LPR) – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.
- Structure and Infrastructure Project (SIP) – These actions involve (1) modifying existing structures and infrastructure to protect them from a hazard, or (2) removing them from a hazard area. This could apply to public or private structures as well as critical facilities and infrastructure. This type of action also includes projects to construct manmade structures to reduce the impact of hazards.
- Natural Systems Protection (NSP) – These are actions that minimize damage and losses, and also preserve or restore the functions of natural systems.
- Education and Awareness Programs (EAP) – These are actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. These actions may also include participation in national programs, such as StormReady and Firewise Communities.

Costs:

If an estimated cost is known, please provide or use the following ranges:

Low = < \$10,000 *Medium* = \$10,000 to \$100,000 *High* = > \$100,000

If costs have not been estimated, please use the following categories:

- Low* Possible to fund under existing budget. Project is part of, or can be part of, an existing on-going program.
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- High* Would require an increase in revenue via an alternative source (i.e., bonds, grants, fee increases) to implement. Existing funding levels are not adequate to cover the costs of the proposed project.

Timeline:

Short Term = 1 to 5 years
OG = On-going program

Long-Term = 5 years or greater
DOF = Depending on funding

Mitigation Action Worksheet

Municipality(ies):	Action
Fulton County, Ayr Township, Belfast Township, Bethel Township, Brush Creek Township, Dublin Township, Licking Creek Township, McConnellsburg Borough, Taylor Township, Thompson Township, Todd Township, Union Township, Wells Township	Comply with floodplain ordinance and building code regulations by requiring anchor straps and improved roofing shingles on new and existing manufactured homes and residences of the County. The County and Fulton County Conservation District will support municipalities and provide training/education for floodplain managers, as needed.
Action Number:	
FC-28	
Location (address, lat/long)	Countywide
Mitigation Technique Category	SIP
Hazard(s) Addressed	All
Priority (High, Medium, Low)	Low
Estimated Cost	Medium
Potential Funding Streams	FEMA HMGP and PDM, State, County, Township
Timeline	Short Term
Lead Agency/Department	County Planning, Municipalities
Support Agency(ies)/ Department(s)	County EMA/9-1-1, Fulton County Conservation District
Project Point of Contact	
Name	Mary K. Seville
Title	Director
Agency/Department	Fulton County Planning Commission
Phone	717-485-3717
E-mail	mkseville@co.fulton.pa.us

Mitigation Technique Category

- Local Plans and Regulations (LPR) – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.
- Structure and Infrastructure Project (SIP) – These actions involve (1) modifying existing structures and infrastructure to protect them from a hazard, or (2) removing them from a hazard area. This could apply to public or private structures as well as critical facilities and infrastructure. This type of action also includes projects to construct manmade structures to reduce the impact of hazards.
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Costs:

If an estimated cost is known, please provide or use the following ranges:

Low = < \$10,000 *Medium* = \$10,000 to \$100,000 *High* = > \$100,000

If costs have not been estimated, please use the following categories:

- Low* Possible to fund under existing budget. Project is part of, or can be part of, an existing on-going program.
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- High* Would require an increase in revenue via an alternative source (i.e., bonds, grants, fee increases) to implement. Existing funding levels are not adequate to cover the costs of the proposed project.

Timeline:

Short Term = 1 to 5 years

OG = On-going program

Long-Term = 5 years or greater

DOF = Depending on funding

Mitigation Action Worksheet

Municipality(ies):	Action
Fulton County, Ayr Township, Belfast Township, Bethel Township, Brush Creek Township, Dublin Township, Licking Creek Township, McConnellsburg Borough, Taylor Township, Thompson Township, Todd Township, Union Township, Wells Township	Establish a Firewise Program in the County, especially around the Meadow Grounds Lake, Cowans Gap State Park, and Breezewood Park. Part of this initiative could include visual development of impacted areas, public service announcements, and educational outreach to farmers, hunters, campers, hikers, school children, and homeowners in the Wildland-Urban Interface.
Action Number: FC-29	
Location (address, lat/long)	Countywide, but focused around the Wildland-Urban Interface, along with Meadow Grounds Lake, Cowans Gap State Park, and Breezewood Park
Mitigation Technique Category	EAP
Hazard(s) Addressed	Wildfire
Priority (High, Medium, Low)	Low
Estimated Cost	Low
Potential Funding Streams	FEMA HMGP and PDM, State, County, Township
Timeline	Short Term
Lead Agency/Department	County Planning
Support Agency(ies)/Department(s)	County EMA/9-1-1, Individual response organizations (Fire Departments)
Project Point of Contact	
Name	Mary K. Seville
Title	Director
Agency/Department	Fulton County Planning Commission
Phone	717-485-3717
E-mail	mkseville@co.fulton.pa.us

Mitigation Technique Category

- Local Plans and Regulations (LPR) – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.
- Structure and Infrastructure Project (SIP) – These actions involve (1) modifying existing structures and infrastructure to protect them from a hazard, or (2) removing them from a hazard area. This could apply to public or private structures as well as critical facilities and infrastructure. This type of action also includes projects to construct manmade structures to reduce the impact of hazards.
- Natural Systems Protection (NSP) – These are actions that minimize damage and losses, and also preserve or restore the functions of natural systems.
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Costs:

If an estimated cost is known, please provide or use the following ranges:

Low = < \$10,000 Medium = \$10,000 to \$100,000 High = > \$100,000

If costs have not been estimated, please use the following categories:

- Low Possible to fund under existing budget. Project is part of, or can be part of, an existing on-going program.*
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- High Would require an increase in revenue via an alternative source (i.e., bonds, grants, fee increases) to implement. Existing funding levels are not adequate to cover the costs of the proposed project.*

Timeline:

Short Term = 1 to 5 years

OG = On-going program

Long-Term = 5 years or greater

DOF = Depending on funding

Mitigation Action Worksheet

Municipality(ies):	Action
Fulton County, Ayr Township, Belfast Township, Bethel Township, Brush Creek Township, Dublin Township, Licking Creek Township, McConnellsburg Borough, Taylor Township, Thompson Township, Todd Township, Union Township, Wells Township	Identify and apply for funding to enhance the County's radio system.
Action Number:	
FC-30	
Location (address, lat/long)	
	Countywide
Mitigation Technique Category	
	SIP
Hazard(s) Addressed	
	All
Priority (High, Medium, Low)	
	Medium
Estimated Cost	
	Medium
Potential Funding Streams	
	FEMA HMGP and PDM, State, County, Township
Timeline	
	Short Term
Lead Agency/Department	
	County Planning
Support Agency(ies)/ Department(s)	
	County EMA/9-1-1
Project Point of Contact	
Name	Mary K. Seville
Title	Director
Agency/Department	Fulton County Planning Commission
Phone	717-485-3717
E-mail	mkseville@co.fulton.pa.us

Mitigation Technique Category

- Local Plans and Regulations (LPR) – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.
- Structure and Infrastructure Project (SIP) – These actions involve (1) modifying existing structures and infrastructure to protect them from a hazard, or (2) removing them from a hazard area. This could apply to public or private structures as well as critical facilities and infrastructure. This type of action also includes projects to construct manmade structures to reduce the impact of hazards.
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- Education and Awareness Programs (EAP) – These are actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. These actions may also include participation in national programs, such as StormReady and Firewise Communities.

Costs:

If an estimated cost is known, please provide or use the following ranges:

Low = < \$10,000 Medium = \$10,000 to \$100,000 High = > \$100,000

If costs have not been estimated, please use the following categories:

- Low Possible to fund under existing budget. Project is part of, or can be part of, an existing on-going program.*
- Medium Could budget for under existing work plan, but would require a reapportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.*
- High Would require an increase in revenue via an alternative source (i.e., bonds, grants, fee increases) to implement. Existing funding levels are not adequate to cover the costs of the proposed project.*

Timeline:

Short Term = 1 to 5 years

OG = On-going program

Long-Term = 5 years or greater

DOF = Depending on funding

Mitigation Action Worksheet

Municipality(ies):	Action
Fulton County, Ayr Township, Belfast Township, Bethel Township, Brush Creek Township, Dublin Township, Licking Creek Township, McConnellsburg Borough, Taylor Township, Thompson Township, Todd Township, Union Township, Wells Township	Identify and apply for funding to upgrade emergency responders' radio equipment.
Action Number:	
FC-31	
Location (address, lat/long)	Countywide
Mitigation Technique Category	SIP
Hazard(s) Addressed	All
Priority (High, Medium, Low)	Low
Estimated Cost	Medium
Potential Funding Streams	FEMA, State, County, Municipal
Timeline	Short Term
Lead Agency/Department	Individual response organizations (fire departments)
Support Agency(ies)/ Department(s)	N/A
Project Point of Contact	
Name	Mary K. Seville
Title	Director
Agency/Department	Fulton County Planning Commission
Phone	717-485-3717
E-mail	mkseville@co.fulton.pa.us

Mitigation Technique Category

- Local Plans and Regulations (LPR) – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.
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Costs:

If an estimated cost is known, please provide or use the following ranges:

Low = < \$10,000 *Medium* = \$10,000 to \$100,000 *High* = > \$100,000

If costs have not been estimated, please use the following categories:

- Low* Possible to fund under existing budget. Project is part of, or can be part of, an existing on-going program.
- Medium* Could budget for under existing work plan, but would require a reapportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.
- High* Would require an increase in revenue via an alternative source (i.e., bonds, grants, fee increases) to implement. Existing funding levels are not adequate to cover the costs of the proposed project.

Timeline:

Short Term = 1 to 5 years

OG = On-going program

Long-Term = 5 years or greater

DOF = Depending on funding

Mitigation Action Worksheet

Municipality(ies):	Action
Fulton County, Ayr Township, Belfast Township, Bethel Township, Brush Creek Township, Dublin Township, Licking Creek Township, McConnellsburg Borough, Taylor Township, Thompson Township, Todd Township, Union Township, Wells Township	Install dry hydrant locations along PA-655 to assist the Needmore Fire Company.
Action Number:	
FC-32	
Location (address, lat/long)	PA-655
Mitigation Technique Category	SIP
Hazard(s) Addressed	Wildfire
Priority (High, Medium, Low)	Low
Estimated Cost	Medium
Potential Funding Streams	FEMA HMGP and PDM, State, County, Township
Timeline	Short Term
Lead Agency/Department	County Planning
Support Agency(ies)/ Department(s)	Needmore Fire Company, Belfast Township
Project Point of Contact	
Name	Mary K. Seville
Title	Director
Agency/Department	Fulton County Planning Commission
Phone	717-485-3717
E-mail	mkseville@co.fulton.pa.us

Mitigation Technique Category

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Costs:

If an estimated cost is known, please provide or use the following ranges:

Low = < \$10,000 *Medium* = \$10,000 to \$100,000 *High* = > \$100,000

If costs have not been estimated, please use the following categories:

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Timeline:

Short Term = 1 to 5 years

OG = On-going program

Long-Term = 5 years or greater

DOF = Depending on funding

Mitigation Action Worksheet

Municipality(ies):	Action
Fulton County, Ayr Township, Belfast Township, Bethel Township, Brush Creek Township, Dublin Township, Licking Creek Township, McConnellsburg Borough, Taylor Township, Thompson Township, Todd Township, Union Township, Wells Township	Protect natural wetlands that may absorb floodwaters. The benefits of this action would be described in other collateral developed for related initiatives.
Action Number:	
FC-33	
Location (address, lat/long)	
	Countywide
Mitigation Technique Category	
	NSP
Hazard(s) Addressed	
	Flood
Priority (High, Medium, Low)	
	Low
Estimated Cost	
	Medium
Potential Funding Streams	
	FEMA HMGP and PDM, State, County, Township
Timeline	
	OG
Lead Agency/Department	
	County Planning
Support Agency(ies)/ Department(s)	
	Fulton County Conservation District, County EMA/9-1-1
Project Point of Contact	
Name	Mary K. Seville
Title	Director
Agency/Department	Fulton County Planning Commission
Phone	717-485-3717
E-mail	mkseville@co.fulton.pa.us

Mitigation Technique Category

- Local Plans and Regulations (LPR) – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.
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Costs:

If an estimated cost is known, please provide or use the following ranges:

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If costs have not been estimated, please use the following categories:

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- High* Would require an increase in revenue via an alternative source (i.e., bonds, grants, fee increases) to implement. Existing funding levels are not adequate to cover the costs of the proposed project.

Timeline:

Short Term = 1 to 5 years

OG = On-going program

Long-Term = 5 years or greater

DOF = Depending on funding

Mitigation Action Worksheet

Municipality(ies):	Action
Fulton County, Ayr Township, Belfast Township, Bethel Township, Brush Creek Township, Dublin Township, Licking Creek Township, McConnellsburg Borough, Taylor Township, Thompson Township, Todd Township, Union Township, Wells Township	Implement programs deemed necessary by the Conservation District.
Action Number:	
FC-34	
Location (address, lat/long)	
	Countywide
Mitigation Technique Category	
	NSP
Hazard(s) Addressed	
	All
Priority (High, Medium, Low)	
	Low
Estimated Cost	
	Medium
Potential Funding Streams	
	FEMA HMGP and PDM (Dependent on Program), State, County, Municipal
Timeline	
	OG
Lead Agency/Department	
	County Planning
Support Agency(ies)/Department(s)	
	Fulton County Conservation District, County EMA/9-1-1
Project Point of Contact	
Name	Mary K. Seville
Title	Director
Agency/Department	Fulton County Planning Commission
Phone	717-485-3717
E-mail	mkseville@co.fulton.pa.us

Mitigation Technique Category

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Costs:

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Timeline:

Short Term = 1 to 5 years

OG = On-going program

Long-Term = 5 years or greater

DOF = Depending on funding

Mitigation Action Worksheet

Municipality(ies):	Action
Fulton County, Ayr Township, Belfast Township, Bethel Township, Brush Creek Township, Dublin Township, Licking Creek Township, McConnellsburg Borough, Taylor Township, Thompson Township, Todd Township, Union Township, Wells Township	Coordinate with the conservation and extension offices to provide education and training to emergency responders, managers, and municipal officials. Topic focuses could include modules from the Emergency Operations Plan, Crisis Communications, volunteer management, and recovery/resilience strategies.
Action Number:	
FC-35	
Location (address, lat/long)	
	Countywide
Mitigation Technique Category	
	NSP, EAP
Hazard(s) Addressed	
	All
Priority (High, Medium, Low)	
	Low
Estimated Cost	
	Low
Potential Funding Streams	
	FEMA, State, County, Municipal
Timeline	
	OG
Lead Agency/Department	
	County Planning
Support Agency(ies)/ Department(s)	
	Fulton County Conservation District, County EMA/9-1-1
Project Point of Contact	
Name	Mary K. Seville
Title	Director
Agency/Department	Fulton County Planning Commission
Phone	717-485-3717
E-mail	mkseville@co.fulton.pa.us

Mitigation Technique Category

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Timeline:

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OG = On-going program

Long-Term = 5 years or greater

DOF = Depending on funding

Mitigation Action Worksheet

Municipality(ies):	Action
Fulton County, Ayr Township, Belfast Township, Bethel Township, Brush Creek Township, Dublin Township, Licking Creek Township, McConnellsburg Borough, Taylor Township, Thompson Township, Todd Township, Union Township, Wells Township	Encourage major employers and other facilities to participate in the secondary StormReady programs. Such encouragement could occur through digital and print collateral, personal outreach, and speaking events at local service organizations (e.g., Rotary or Chamber events).
Action Number:	
FC-36	
Location (address, lat/long)	
	Countywide
Mitigation Technique Category	
	EAP, LPR
Hazard(s) Addressed	
	Flood, Hailstorm, Tornado and Windstorm, Winter Storm
Priority (High, Medium, Low)	
	Low
Estimated Cost	
	Low
Potential Funding Streams	
	FEMA, State, County, Municipal
Timeline	
	OG
Lead Agency/Department	
	County Planning
Support Agency(ies)/ Department(s)	
	County EMA/9-1-1, Municipalities
Project Point of Contact	
Name	Mary K. Seville
Title	Director
Agency/Department	Fulton County Planning Commission
Phone	717-485-3717
E-mail	mkseville@co.fulton.pa.us

Mitigation Technique Category

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Timeline:

Short Term = 1 to 5 years

OG = On-going program

Long-Term = 5 years or greater

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Mitigation Action Worksheet

Municipality(ies):	Action
Fulton County, Ayr Township, Belfast Township, Bethel Township, Brush Creek Township, Dublin Township, Licking Creek Township, McConnellsburg Borough, Taylor Township, Thompson Township, Todd Township, Union Township, Wells Township	Seek relevant input from all departments during the pre-impact, impact, and post-impact phases of an emergency.
Action Number:	
FC-37	
Location (address, lat/long)	
	Countywide
Mitigation Technique Category	
	EAP, LPR
Hazard(s) Addressed	
	All
Priority (High, Medium, Low)	
	Low
Estimated Cost	
	Low
Potential Funding Streams	
	County, Municipal
Timeline	
	OG
Lead Agency/Department	
	County Planning
Support Agency(ies)/ Department(s)	
	County EMA/9-1-1, Municipalities
Project Point of Contact	
Name	Mary K. Seville
Title	Director
Agency/Department	Fulton County Planning Commission
Phone	717-485-3717
E-mail	mkseville@co.fulton.pa.us

Mitigation Technique Category

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Timeline: *Short Term = 1 to 5 years* *Long-Term= 5 years or greater*
OG = On-going program *DOF = Depending on funding*

Mitigation Action Worksheet

Municipality(ies):	Action
Fulton County, Ayr Township, Belfast Township, Bethel Township, Brush Creek Township, Dublin Township, Licking Creek Township, McConnellsburg Borough, Taylor Township, Thompson Township, Todd Township, Union Township, Wells Township	Identify and fill gaps in information needed to conduct vulnerability analysis in hazard areas.
Action Number:	
FC-38	
Location (address, lat/long)	
	Countywide
Mitigation Technique Category	
	EAP, LPR
Hazard(s) Addressed	
	All
Priority (High, Medium, Low)	
	Low
Estimated Cost	
	Low
Potential Funding Streams	
	County, Municipal
Timeline	
	OG
Lead Agency/Department	
	County Planning
Support Agency(ies)/ Department(s)	
	County EMA/9-1-1, Municipalities
Project Point of Contact	
Name	Mary K. Seville
Title	Director
Agency/Department	Fulton County Planning Commission
Phone	717-485-3717
E-mail	mkseville@co.fulton.pa.us

Mitigation Technique Category

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Costs:

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Timeline:

Short Term = 1 to 5 years
OG = On-going program

Long-Term = 5 years or greater
DOF = Depending on funding

Mitigation Action Worksheet

Municipality(ies):	Action
Fulton County, Ayr Township, Belfast Township, Bethel Township, Brush Creek Township, Dublin Township, Licking Creek Township, McConnellsburg Borough, Taylor Township, Thompson Township, Todd Township, Union Township, Wells Township	Evaluate existing road capacity with concern to increased truck and other traffic on local roads, and implement road improvements, as applicable.
Action Number:	
FC-39	
Location (address, lat/long)	
	Countywide (County and municipal roads)
Mitigation Technique Category	
	SIP
Hazard(s) Addressed	
	Transportation Accident, Environmental Hazards
Priority (High, Medium, Low)	
	Medium
Estimated Cost	
	Low (However, cost of road project maintenance is high)
Potential Funding Streams	
	County, Municipal (However, federal or state funding needed for road project maintenance and repair work)
Timeline	
	OG
Lead Agency/Department	
	County Planning
Support Agency(ies)/Department(s)	
	County EMA/9-1-1, Municipalities, PennDOT
Project Point of Contact	
Name	Mary K. Seville
Title	Director
Agency/Department	Fulton County Planning Commission
Phone	717-485-3717
E-mail	mkseville@co.fulton.pa.us

Mitigation Technique Category

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Costs:

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Timeline:

Short Term = 1 to 5 years

OG = On-going program

Long-Term = 5 years or greater

DOF = Depending on funding

Mitigation Action Worksheet

Municipality(ies):	Action
Thompson Township	In Thompson Township, upgrade and realign the intersection of Dent Road (T-343) and Timber Ridge Road (S.R. 2005) to allow for the passage of emergency vehicles.
Action Number:	
FC-40	
Location (address, lat/long)	
	Intersection of Dent Road (T-343) and Timber Ridge Road (S.R. 2005)
Mitigation Technique Category	
	SIP
Hazard(s) Addressed	
	Transportation Accident
Priority (High, Medium, Low)	
	Low
Estimated Cost	
	Medium
Potential Funding Streams	
	FEMA HMGP and PDM, State, County, Township
Timeline	
	Short Term
Lead Agency/Department	
	Thompson Township
Support Agency(ies)/Department(s)	
	County Planning, PennDOT
Project Point of Contact	
Name	Eric Reckner
Title	Coordinator
Agency/Department	Bethel Township
Phone	717-294-3922
E-mail	Cbr189@aol.com

Mitigation Technique Category

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Costs:

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Timeline:

Short Term = 1 to 5 years

OG = On-going program

Long-Term = 5 years or greater

DOF = Depending on funding

Mitigation Action Worksheet

Municipality(ies):	Action
Taylor Township	In Taylor Township, conduct road improvements on Davis Lane (T-423).
Action Number:	
FC-41	
<i>Location (address, lat/long)</i>	Davis Lane (T-423)
<i>Mitigation Technique Category</i>	SIP
<i>Hazard(s) Addressed</i>	Transportation Accident
<i>Priority (High, Medium, Low)</i>	Low
<i>Estimated Cost</i>	Medium
<i>Potential Funding Streams</i>	FEMA HMGP and PDM, State, County, Township
<i>Timeline</i>	Short Term
<i>Lead Agency/Department</i>	Taylor Township
<i>Support Agency(ies)/ Department(s)</i>	County Planning, PennDOT
Project Point of Contact	
<i>Name</i>	Murray Romig
<i>Title</i>	Roadmaster
<i>Agency/Department</i>	Union Township
<i>Phone</i>	814-685-3857
<i>E-mail</i>	N/A

Mitigation Technique Category

- *Local Plans and Regulations (LPR) – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.*
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- *Natural Systems Protection (NSP) – These are actions that minimize damage and losses, and also preserve or restore the functions of natural systems.*
- *Education and Awareness Programs (EAP) – These are actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. These actions may also include participation in national programs, such as StormReady and Firewise Communities.*

Costs:

If an estimated cost is known, please provide or use the following ranges:

Low = < \$10,000 Medium = \$10,000 to \$100,000 High = > \$100,000

If costs have not been estimated, please use the following categories:

- Low Possible to fund under existing budget. Project is part of, or can be part of, an existing on-going program.*
- Medium Could budget for under existing work plan, but would require a reapportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.*
- High Would require an increase in revenue via an alternative source (i.e., bonds, grants, fee increases) to implement. Existing funding levels are not adequate to cover the costs of the proposed project.*

Timeline:

Short Term = 1 to 5 years

OG = On-going program

Long-Term = 5 years or greater

DOF = Depending on funding

Mitigation Action Worksheet

Municipality(ies):	Action
Taylor Township	In Taylor Township, conduct intersection improvements and cut the bank back at Frick Road and Waterfall Road.
Action Number: FC-42	
Location (address, lat/long)	
	The intersection of Frick Road and Waterfall Road
Mitigation Technique Category	
	SIP
Hazard(s) Addressed	Transportation Accident
Priority (High, Medium, Low)	Low
Estimated Cost	Medium
Potential Funding Streams	FEMA HMGP and PDM, State, County, Township
Timeline	Short Term
Lead Agency/Department	Taylor Township
Support Agency(ies)/ Department(s)	County Planning, PennDOT
Project Point of Contact	
Name	Murray Romig
Title	Roadmaster
Agency/Department	Union Township
Phone	814-685-3857
E-mail	N/A

Mitigation Technique Category

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Costs:

If an estimated cost is known, please provide or use the following ranges:

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If costs have not been estimated, please use the following categories:

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Timeline:

Short Term = 1 to 5 years

OG = On-going program

Long-Term = 5 years or greater

DOF = Depending on funding

Mitigation Action Worksheet

Municipality(ies):	Action
Union Township	In Union Township, conduct intersection improvements at Harmonia Road (S.R. 3002) and Lehman Road (T-308).
Action Number:	
FC-43	
Location (address, lat/long)	
Intersection of Harmonia Road (S.R. 3002) and Lehman Road (T-308)	
Mitigation Technique Category	
SIP	
Hazard(s) Addressed	
Transportation Accident	
Priority (High, Medium, Low)	
Low	
Estimated Cost	
Medium	
Potential Funding Streams	
FEMA HMGP and PDM, State, County, Township	
Timeline	
Short Term	
Lead Agency/Department	
Union Township	
Support Agency(ies)/ Department(s)	
County Planning, PennDOT	
Project Point of Contact	
Name	Carolyn M. Wills
Title	Secretary/Treasurer
Agency/Department	Union Township
Phone	717-294-6251
E-mail	Union_township@frontier.com

Mitigation Technique Category

- Local Plans and Regulations (LPR) – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.
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Costs:

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Timeline:

Short Term = 1 to 5 years

OG = On-going program

Long-Term = 5 years or greater

DOF = Depending on funding

Mitigation Action Worksheet

Municipality(ies):	Action
Union Township	In Union Township, conduct intersection improvements at Harmonia Road (S.R. 3002) and Stahle Road (T-314).
Action Number:	
FC-44	
<i>Location (address, lat/long)</i>	Intersection of Harmonia Road (S.R. 3002) and Stahle Road (T-314)
<i>Mitigation Technique Category</i>	SIP
<i>Hazard(s) Addressed</i>	Transportation Accident
<i>Priority (High, Medium, Low)</i>	Low
<i>Estimated Cost</i>	Medium
<i>Potential Funding Streams</i>	FEMA HMGP and PDM, State, County, Township
<i>Timeline</i>	Short Term
<i>Lead Agency/Department</i>	Union Township
<i>Support Agency(ies)/ Department(s)</i>	County Planning, PennDOT
Project Point of Contact	
<i>Name</i>	Carolyn M. Wills
<i>Title</i>	Secretary/Treasurer
<i>Agency/Department</i>	Union Township
<i>Phone</i>	717-294-6251
<i>E-mail</i>	Union_township@frontier.com

Mitigation Technique Category

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Timeline:

Short Term = 1 to 5 years

OG = On-going program

Long-Term = 5 years or greater

DOF = Depending on funding

Mitigation Action Worksheet

Municipality(ies):	Action
Dublin Township	In Dublin Township, conduct intersection improvements at Waterfall Road (S.R. 475) and Battle Ridge Road (T-426).
Action Number: FC-45	
Location (address, lat/long)	The intersection of Frick Road and Battle Ridge Road (T-426)
Mitigation Technique Category	SIP
Hazard(s) Addressed	Transportation Accident
Priority (High, Medium, Low)	Low
Estimated Cost	Medium
Potential Funding Streams	FEMA HMGP and PDM, State, County, Township
Timeline	Short Term
Lead Agency/Department	Dublin Township
Support Agency(ies)/ Department(s)	County Planning, PennDOT
Project Point of Contact	
Name	Jeffrey Croft
Title	Chairman
Agency/Department	Dublin Township
Phone	717-491-0676
E-mail	Jcroft1961@yahoo.com

Mitigation Technique Category

- Local Plans and Regulations (LPR) – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.
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Timeline:

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Long-Term = 5 years or greater

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Mitigation Action Worksheet

Municipality(ies):	Action
Ayr Township	In Ayr Township, identify correction actions on Great Cove Road (S.R. 522) by Whipporwill Lane to alleviate transportation accidents and dangerous bus stop conditions to road curve.
Action Number:	
FC-46	
Location (address, lat/long)	
Great Cove Road (S.R. 522) by Whipporwill Lane	
Mitigation Technique Category	
SIP	
Hazard(s) Addressed	Transportation Accident
Priority (High, Medium, Low)	Low
Estimated Cost	Medium
Potential Funding Streams	FEMA HMGP and PDM, State, County, Township
Timeline	Short Term
Lead Agency/Department	Ayr Township
Support Agency(ies)/Department(s)	County Planning, PennDOT
Project Point of Contact	
Name	Denise Grissinger
Title	Secretary
Agency/Department	Ayr Township
Phone	717-485-4907
E-mail	drg@pa.net

Mitigation Technique Category

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Timeline:

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Mitigation Action Worksheet

Municipality(ies):	Action
Taylor Township	In Taylor Township, identify and coordinate with PennDOT to implement infrastructure improvements to the two state bridges along 655 between Waterfall Road and Hustontown.
Action Number:	
FC-47	
Location (address, lat/long)	Two state bridges along 655 between Waterfall Road and Hustontown
Mitigation Technique Category	SIP
Hazard(s) Addressed	Transportation Accident, Flood
Priority (High, Medium, Low)	Low
Estimated Cost	Medium
Potential Funding Streams	FEMA HMGP and PDM, State, County, Township
Timeline	Short Term
Lead Agency/Department	Taylor Township
Support Agency(ies)/ Department(s)	County Planning, PennDOT
Project Point of Contact	
Name	Murray Romig
Title	Roadmaster
Agency/Department	Union Township
Phone	814-685-3857
E-mail	N/A

Mitigation Technique Category

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Timeline:

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Mitigation Action Worksheet

Municipality(ies):	Action
Thompson Township	In Thompson Township, replace the corrugated metal culvert carrying West Orchard Road (T-305) over Ditch Run.
Action Number: FC-48	
Location (address, lat/long)	West Orchard Road (T-305) where it crosses Ditch Run.
Mitigation Technique Category	SIP
Hazard(s) Addressed	Transportation Accident, Flood
Priority (High, Medium, Low)	Low
Estimated Cost	Medium
Potential Funding Streams	FEMA HMGP and PDM, State, County, Township
Timeline	Short Term
Lead Agency/Department	Thompson Township
Support Agency(ies)/ Department(s)	County Planning, PennDOT
Project Point of Contact	
Name	Eric Reckner
Title	Coordinator
Agency/Department	Bethel Township
Phone	717-294-3922
E-mail	Cbr189@aol.com

Mitigation Technique Category

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Timeline:

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Mitigation Action Worksheet

Municipality(ies):	Action
Union Township	In Union Township, maintain and upgrade Bridge No. 3 on Zachs Ridge Road (T-330), as needed.
Action Number:	
FC-49	
<i>Location (address, lat/long)</i>	Intersection of Harmonia Road (S.R. 3002) and Stahle Road (T-314)
<i>Mitigation Technique Category</i>	SIP
<i>Hazard(s) Addressed</i>	Transportation Accident, Flood
<i>Priority (High, Medium, Low)</i>	Low
<i>Estimated Cost</i>	Medium
<i>Potential Funding Streams</i>	FEMA HMGP and PDM, State, County, Township
<i>Timeline</i>	Short Term
<i>Lead Agency/Department</i>	Union Township
<i>Support Agency(ies)/ Department(s)</i>	County Planning, PennDOT
Project Point of Contact	
<i>Name</i>	Carolyn M. Wills
<i>Title</i>	Secretary/Treasurer
<i>Agency/Department</i>	Union Township
<i>Phone</i>	717-294-6251
<i>E-mail</i>	Union_township@frontier.com

Mitigation Technique Category

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