

Hazard Mitigation Plan Review Meeting
EOC Conference Room
December 5, 2016 - 7:00 p.m.

NAME	AGENCY
1. ERIC BECKNER	THOMPSON TOWNSHIP
2. STANLEY MELLOTT	TODD TWP.
3. Kriste Shoop	FCMC
4. Joni Mellott	Fulton City EMA
5. Ruth Shoop	EMA
6. MaryK Seville	Fulton Co. Planning
7. LuAnne Keebaugh	Licking Creek Twp.
8. Ronnie Swape	"
9. Edwin Swape	"
10. DELMAS BARD	BRUSH CREEK
11. Tom Taylor	Dublin
12. Connie Hinn	Dublin
13. ROSNEY McCray	Commissioner
14. Jason Sharpe	JLG
15. Gary Decker	Licking Creek Twp
16. CPL. JEFF RHEMKEAS	PSP
17. Marklin Hawk	AXA Twp
18. Pete Lynch	Commissioner
19. LISA McConahy	LEPC; Dublin Twp.
20.	
21.	
22.	
23.	

FULTON COUNTY EMERGENCY MANAGEMENT AGENCY

LEPC/EMA Coordinator Quarterly Meeting

Emergency Management Agency Office

December 4, 2017

NAME	ORGANIZATION	PHONE NUMBER
Gene Sajeshi	Pema	717-651-9065
ERIC BECKER	THOMPSON TOWNSHIP	717-294-3922
Gunnr Hann	Dublin Township	717-987-4277
Lutrone Herbach	Licking Creek Rd	717-830-3115
DELMAS F BARRIS	BRUSH CREEK	717-294-3403
Bob Tom Jennings	FSP	717-485-3131
Jason Sharpe	JLG	717-485-6423
Marcine Hall	Central Fulton SD	717-485-7000
Deb Buterbach	Red Cross	717-485-5511
Theresa Wilson	AVR	717-485-4511
Robbery Mc Gray	Commissioner	717-485-3691

FULTON COUNTY EMERGENCY MANAGEMENT AGENCY

LEPC/EMA Coordinator Quarterly Meeting

Emergency Management Agency Office

December 4, 2017

NAME	ORGANIZATION	PHONE NUMBER
STANLEY MELLOTT	TODD TWP	717-485-3466
Tom TAYLOR	DUBLIN	717-860-3974
Lorrie Hays	Dublin	717-987-4219
Selen Shives	Fulton Co. Conservation Dist.	717-325-6093
Gene Sajski	Pema	717-651-9065
Robert Shrank	Fulton Co. EMA	717-485-3201
Tom Mellst	Fulton Co. EMA	717-485-3201
Mary K. Seville	Fulton Co. Planning	717-485-3717

FULTON COUNTY LEPC MEETING

December 3, 2018

Fulton County Emergency Operations Center

NAME	SECTION/AGENCY
Bob Crawford	Brush Creek Twp
DELMAS BARD	BRUSH CREEK Twp.
ERIK BECKER	THOMPSON TWP.
Rodney McKay	Commissioner
Katharine Kelbaugh	Licking Creek Twp
Gene Sajaski	Pema
Marlin HARR	AYR Twp
Donna Wdsh	Ag EMC LEPC
Connie Ann	Dublin Township & Todd Township
Mary K. Smith	FC Planning
Rory McCann	DCR
Christe Sheep	FEMC
Jason Sharpe	JLG

Michelle Hall

Central Fulton

Sgt Cunningham

FP

Jeremy Fletcher

FCPC

FULTON COUNTY LEPC MEETING

December 3, 2018

Fulton County Emergency Operations Center

NAME	SECTION/AGENCY
Brian Patten	EMA
Wade Runk	JLG



MEETING NOTES

Meeting	Fulton County Hazard Mitigation Plan Kickoff Meeting		
Date	April 10, 2019	Time	9:30 – 10:10 a.m.
Location	Via telephone		
Attendees	Mary K. Seville, Planning & Mapping Director, Fulton County Planning & Mapping Department		
	Tony Subbio, Tetra Tech, Inc. (Tetra Tech)		

Purpose

The purpose of the kickoff meeting was to initiate the project to update Fulton County's (the County) Hazard Mitigation Plan (HMP).

Discussion Points

This section summarizes each discussion point addressed during the kickoff meeting.

Expectations and Areas of Focus

Mr. Brian Barton, the new Fulton County Emergency Management Agency Director, will be involved in the planning process. Ms. Seville will check on Mr. Barton's schedule of emergency management coordinator training sessions, so that they can discuss the HMP update at these sessions.

There are no new pressing issues in the County. The consolidated animal feeding operation (CAFO) that was a concern to the County 5 years ago was never built. No large subdivisions are being planned in the County. Though the County received excessive rainfall in the past year, no new problem areas or issues have arisen.

There was a fire at a hog barn in 2018 that killed many pigs. There was a 37-vehicle incident on I-70 this year due to ice and snow conditions, but there were no major injuries.

Planning Process and Timeline

Mr. Subbio reviewed the planning process and timeline with Ms. Seville. The current HMP does not expire until September 2020, so there are several months of slack time in the planning process to allow for unforeseen delays in the planning process. Tetra Tech will conduct the analysis and develop materials to facilitate the planning process but will not attend any of the in-person meetings. Ms. Seville will facilitate all meetings and conduct outreach to members of the Steering Committee and other stakeholders.

Steering Committee Organization

The composition of the Steering Committee will be approximately the same as it was 5 years ago.

The municipalities will be asked to complete a Letter of Intent to Participate, documenting their points of contact for the planning process and affirming that they will follow the participation requirements. Mr. Subbio reviewed the Letter of Intent to Participate and the cover letter for the County to send when distributing the Letter of Intent to Participate template to the municipalities. Ms. Seville will send these letters to the municipalities in the coming weeks.



MEETING NOTES

Steering Committee Kickoff Meeting

The Steering Committee Kickoff Meeting will be held from 6:00–8:00 p.m. on May 30, 2019. Mr. Subbio will provide the invitation letter to Ms. Seville for Ms. Seville to send to invitees. Mr. Subbio will provide the meeting materials to Ms. Seville.

Data Requests

Fulton County participated in a regional comprehensive plan with the rest of the counties in the Southern Alleghenies region in 2018. Ms. Seville will ensure that comprehensive plan is available to Tetra Tech for review. She will ask Mr. Barton for any new plans, the current Fulton County Emergency Operations Plan (EOP), and incident records from the County 911 Center or other incident reporting system. Ms. Seville will also provide Tetra Tech with the notes from the annual review meetings and any updates that the County has made to the HMP over the last 4 years.

Ms. Seville will send the National Flood Insurance Program (NFIP) data request to the Pennsylvania Emergency Management Agency (PEMA) and fill out the Geographic Information Systems (GIS) Data Wish List. She will also provide the County's grant agreement with PEMA to Tetra Tech.

Next Steps

The following next steps were discussed at the meeting:

- Ms. Seville will complete Tetra Tech's GIS Data Wish List.
- The Steering Committee Kickoff Meeting will be held on May 30, 2019.
- Tetra Tech will begin updating the 2015 HMP.



AGENDA

FULTON COUNTY HAZARD MITIGATION PLAN UPDATE PROJECT Project Kickoff Meeting Agenda

Wednesday, April 10, 2019 | 9:30–10:30 a.m.

-
1. **Introductions**

 2. **Expectations and Areas of Focus**

 3. **Planning Process and Timeline**

 4. **Steering Committee Organization**
 - a. Participating Municipalities
 - b. Letter of Intent to Participate

 5. **Steering Committee Kickoff Meeting**

 6. **Data Requests**
 - a. Documents
 - b. Geographic Information Systems (GIS)
 - c. Incident Records
 - d. Updates to the 2015 HMP

 7. **Next Steps**
 - a. Organize the Steering Committee
 - b. Conduct the Steering Committee Kickoff Meeting
 - c. Develop Worksheets

 8. **Questions**



Fulton County HMP Update
Project Kickoff Meeting

Updated Project Timeline and Schedule

Task	Timeframe
Project Management	<ul style="list-style-type: none"> ▶ Project Kickoff Meeting conducted on April 10, 2019 ▶ Monthly status reports provided to Fulton County ▶ Quarterly progress reports submitted to PEMA ▶ Project Closeout Meeting upon the HMP receiving “approvable pending adoption” status from FEMA, anticipated in May 2020
Task 1: Organize Resources	<ul style="list-style-type: none"> ▶ Steering Committee members identified by early May 2019 ▶ Initial Steering Committee Meeting conducted in mid-May 2019 ▶ Outreach to stakeholders conducted throughout the planning process
Task 2: Conduct Capability Assessment	<ul style="list-style-type: none"> ▶ From Initial Steering Committee Meeting through mid-August 2019
Task 3: Conduct Risk Assessment	<ul style="list-style-type: none"> ▶ From Initial Steering Committee Meeting through mid-August 2019
Task 4: Review the Capability Assessment and Risk Assessment	<ul style="list-style-type: none"> ▶ Public Meeting conducted in mid-August 2019
Task 5: Develop Mitigation Strategy	<ul style="list-style-type: none"> ▶ Mitigation Strategy Workshop conducted in mid-September 2019 ▶ New mitigation strategy developed by mid-October 2019 ▶ Public Steering Committee Meeting conducted in mid-October 2019
Task 6: Define Plan Maintenance	<ul style="list-style-type: none"> ▶ Plan maintenance defined by late October 2019
Task 7: Prepare the Updated HMP Draft	<ul style="list-style-type: none"> ▶ HMP Draft updated by early November 2019
Task 8: Review and Finalize the Updated HMP Draft	<ul style="list-style-type: none"> ▶ Public Comment Period in early November to early December 2019 ▶ Public Meeting conducted in early December 2019 ▶ Draft HMP finalized by mid-December 2019
Task 9: Submit the Updated HMP Draft for Formal Reviews	<ul style="list-style-type: none"> ▶ Draft HMP submitted to PEMA by late December 2019 ▶ PEMA Review Period in January 2020 ▶ Draft HMP submitted to FEMA Region III by mid-February 2020 ▶ FEMA Review Period in mid-February to the end of March 2020 ▶ Conference call to discuss FEMA comments conducted in early April 2020 ▶ Draft HMP updated and resubmitted to FEMA Region III by mid-April 2020
Task 10: Facilitate Adoption of the Updated HMP	<ul style="list-style-type: none"> ▶ Final plan delivered to Fulton County and PEMA upon plan receiving “approvable pending adoption” status – estimated to be at the end of April 2020



MEETING NOTES

Meeting	Fulton County Hazard Mitigation Plan Steering Committee Kickoff Meeting		
Date	May 30, 2019	Time	6:00 – 7:00 p.m.
Location	Fulton County EOC Conference Room, Services for Children Building, 219 North Second Street, McConnellsburg, PA		
Attendees	Mary K. Seville, Planning & Mapping Director, Fulton County Planning & Mapping Department		
	Brian Barton, Fulton County Emergency Management Agency (EMA)/911		
	Seleen Shives, Fulton County Conservation District		
	Donna Welsh, Fulton County Local Emergency Planning Committee (LEPC), Ayr Township		
	Marlin E. Harr, Supervisor, Ayr Township		
	Richard Harr, Supervisor, Belfast Township		
	Kelly Peck, Secretary/Treasurer, Bethel Township		
	LuAnne Keebaugh, Secretary, Licking Creek Township		
	Rick Buterbaugh, Council Member, McConnellsburg Borough		
	Ted Gress, Supervisor, Taylor Township		
	Rod Kelly, Supervisor, Taylor Township		
	Murray Romig, Supervisor, Taylor Township		
	Eric Reckner, Emergency Management Coordinator, Thompson Township		
	Alan H. Michael, Supervisor, Union Township		
	Alan Crawford, Safety Coordinator, Mellott Company		
	Marjorie Hudson, Fulton County Resident		
Jacob M. Crider, Emergency Management Coordinator/Assistant Director, Franklin County Department of Emergency Services (DES)			
Bob Povlich, Planning Coordinator, Franklin County DES			

Discussion Points

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

Introductions

Ms. Seville welcomed attendees to the meeting and the planning process. Attendees introduced themselves and identified the organizations they represented.

Planning Process

Ms. Seville discussed the planning process to be used to update the HMP. She explained that the process begins with examining the following hazards of concern for the County, as identified in the 2015 HMP:



MEETING NOTES

Natural Hazards		Human-made Hazards
Drought	Radon Exposure	Dam Failure
Earthquake	Subsidence and Sinkholes	Environmental Hazards
Flood, Flash Flood, Ice Jam	Tornadoes and Windstorms	Transportation Accident
Hailstorm	Wildfire	
Landslide	Winter Storm	

Ms. Seville described the Evaluation of Identified Hazards and Risk Worksheet that was distributed to the attendees. The worksheet captures information from each municipality regarding changes in each municipality's vulnerability to the hazards of concern and additional hazards of concern to be considered. Attendees agreed to keep the same hazards from the 2015 plan in the updated version. Attendees will complete the worksheet and return them to Ms. Seville. Attendees identified and discussed hazard events that affected the county since 2015.

Ms. Seville then discussed the process for updating the hazard profiles and the specific scenarios that will be used in assessing the County's vulnerability to certain hazards. The following scenarios will be examined using 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
- Wind: the 100- and 500-year MRP events

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, financial, and education and outreach capabilities. Ms. Seville reviewed each capability category with the attendees. Ms. Seville then identified the National Flood Insurance Program (NFIP) Survey worksheet for gathering information from the municipal floodplain administrator regarding the municipalities' floodplain management programs and compliance with the NFIP.

Once the risk assessment and capabilities assessment are updated, they will be reviewed with the Steering Committee and general public at a public meeting.

Ms. Seville next discussed the process for updating the mitigation strategy, which consists of reviewing the existing goals and objectives, determining the status of mitigation actions from the 2015 HMP, and identifying new mitigation actions to include in the updated HMP. Ms. Seville reviewed the Mitigation Strategy 5-Year Mitigation Plan Review Worksheet with attendees. The worksheet collects stakeholders' input on the goals and objectives from the 2015 HMP and provides an opportunity for municipalities to describe the progress made on implementing their mitigation actions since the HMP was last approved. Attendees agreed to keep the 2015 HMP goals and objectives for the updated version.

Each municipality is asked to describe the status of each action that applies to that jurisdiction. Ms. Seville told the attendees about a Mitigation Strategy Workshop that will be conducted during the planning process to help



MEETING NOTES

stakeholders identify specific, implementable mitigation actions to include in the HMP. Following the workshop, a Steering Committee Meeting will be held to review the updated mitigation strategy. The Steering Committee Meeting will be open to the public.

Ms. Seville 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 draft HMP will be presented to the Steering Committee for review and comment. Tetra Tech, the county's HMP consultant, will incorporate any changes identified by the Steering Committee. The draft HMP will then be posted for a period of 30 days, after which a public meeting will be held 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.

Ms. Seville explained that the HMP cannot be formally approved by FEMA until the County and at least one participating municipality formally adopt 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. The existing HMP does not expire until September 2020. Ms. Seville stated that she expects the updated HMP to be fully approved in April 2020. The County and municipalities will then begin the implementation process, which will include conducting regular meetings of the Steering Committee and other stakeholders and implementing specific actions and projects.

Review Schedule

Ms. Seville reviewed the following project schedule with attendees:

- The risk assessment and capabilities assessment will be updated by August 2019.
- The Steering Committee will review the risk assessment and the capabilities assessment at a Steering Committee meeting to be held once the assessments are complete in late August 2019.
- The mitigation strategy will be updated by October 2019.
- The HMP will be drafted by early November 2019 and submitted to PEMA for review at the end of December 2019.
- The HMP will be submitted to FEMA for review in the middle of February 2020.
- Depending on the length of the FEMA review process, the HMP is estimated to receive APA status by April 2020.

Next Steps

Ms. Seville requested relevant documents (such as comprehensive plans, capital improvement plans, floodplain management ordinances, etc.). Municipalities will complete the four worksheets and provide them to Ms. Seville. Tetra Tech will complete the risk assessment and post the draft hazard profiles to the county HMP website. Ms. Seville thanked attendees for their time and participation.



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**Fulton County
Hazard Mitigation Plan (HMP) Update
Steering Committee Kickoff Meeting**



Agenda

- Introductions
- Planning Process
- Review Schedule
- Next Steps
- Questions



Introductions

- Name
- Organization
- Role
- Experience with 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



Update the Risk Assessment

- Hazards from the 2015 HMP

Natural Hazards	
Drought	Radon Exposure
Earthquake	Subsidence and Sinkhole
Flood, Flash Flood, Ice Jam	Tornado and Windstorm
Hailstorm	Wildfire
Landslide	Winter Storm



Update the Risk Assessment

- Hazards from the 2015 HMP (cont'd)

Human-made Hazards	
Dam Failure	Transportation Accident
Environmental Hazards	

- Any to delete?
- *Hazard Identification and Risk Evaluation Worksheet*





Update the Risk Assessment

- Update Hazard Profiles
 - Events since January 2015
 - Robust hazard descriptions
 - Updated vulnerability assessments
- HAZUS-MH Analysis
 - Earthquake – 500-year mean return period (MRP) event
 - Flood – 1-percent annual chance floodplain
 - Wind – 100- and 500-year MRP event



7

Update the Capabilities Assessment

- Capabilities
 - Planning and Regulatory Capability
 - Administrative and Technical Capability
 - Financial Capability
 - Education and Outreach
 - Self-Assessment of Capability
- *Capability Assessment Survey*
- *NFIP Survey*
- Steering Committee Meeting (open to the public) to Review Risk and Capabilities Assessments



8

Update the Mitigation Strategy

- Review Goals and Objectives
- Determine Status of Mitigation Actions
- *Mitigation Strategy 5-Year Mitigation Plan Review Worksheet*
- Identify New Mitigation Actions/Projects
 - *Focus on specific, implementable actions!*
- Conduct Mitigation Strategy Workshop
- Conduct Steering Committee Meeting (Open to the Public) to Review Updated Mitigation Strategy



9

Update Other Sections of the HMP

- County Profile
 - Updated data
- Planning Process
 - Documentation of the update process
- Plan Maintenance
 - Incorporation into other plans as well as determining ways to incorporate other plans into the updated HMP



10

Submit the HMP for Review

- Review Draft with Steering Committee
- 30-day Public Comment Period
- Conduct Public Meeting to Review the Draft
- Submit for PEMA Review
 - 14 to 28 days
- Submit for FEMA Review
 - 45 days
- “Approvable Pending Adoption” Status



11

Adopt the HMP

- County and at least one participating municipality
- FEMA Approval
- Adoption Deadline – September 2020



12



Implement the HMP

- Annual Review Meetings
- Stakeholder Meetings
- Implement Mitigation Actions and Projects
 - Integrate actions where appropriate

13



Review Schedule

- Risk Assessment
 - April – August 2019
- Capabilities Assessment
 - May – August 2019
- Mitigation Strategy
 - May – October 2019
- Draft Plan by early November 2019
- Submit to PEMA by the end of December 2019
- Submit to FEMA by the middle of February 2020
- “Approvable Pending Adoption” by April 2020

14



Next Steps

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

15



Questions?

Thank you for your time!

16



Contacts



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Tony Subbio
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(717) 545-3580

17





AGENDA

FULTON COUNTY HAZARD MITIGATION PLAN UPDATE Steering Committee Kickoff Meeting

Thursday, May 30, 2019 | 6:00 – 8:00 p.m.

1. Introductions

2. Planning Process

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

3. Review Schedule

4. Next Steps

5. Questions





FULTON COUNTY HAZARD MITIGATION PLAN UPDATE
Steering Committee Kickoff Meeting

SIGN-IN

Thursday, May 30, 2019 | 6:00 – 8:00 p.m.

NAME / TITLE	AGENCY / ORGANIZATION	E-MAIL ADDRESS	TELEPHONE
Bob Polick Planning Coordinator	Franklin County Des	rwpolick@FranklinCountyPA.gov	717-264-2813
ERIC BECKER	THOMPSON TOWNSHIP	ERICK@AOC.COM	340-393-1818
Richard Mann Supervisor	Bethel Twp	BethelTwp@Frontier.com	717 573 4232
Murray Romig Supervisor	Taylor Twp		814-685-3857
Rob Kelly Supervisor	Taylor Twp		717-914-3575
Ted Gross Supervisor	Taylor Twp		717-658-7841
Kelly Peck Sec/Head	Bethel Twp	BethelTwp@frontier.net	717-294-6583
SACOB M. CREDER EMC/ASST. DIR. DES	FRANKLIN COUNTY DES	SMCREDER@FRANKLINCOUNTYPA.GOV	717-264-2013
MARJORIE HUDSON RESIDENT	RESIDENT	WEBSTERSM111@aol.com	—
MARLIN E. HARK AYR TWP	AYR TWP		717-816-8614





FULTON COUNTY HAZARD MITIGATION PLAN UPDATE
Steering Committee Kickoff Meeting

SIGN-IN

Thursday, May 30, 2019 | 6:00 – 8:00 p.m.

NAME / TITLE	AGENCY / ORGANIZATION	E-MAIL ADDRESS	TELEPHONE
Alan Crawford SAFETY COORDINATOR	MELLOTT COMPANY	acawford@melloffs.com	717-816-8481
Donna Welsh	Fulton LEPC/Age	welsh5977@yahoo.com	717-860-6823
Seleen Shives	Fulton Co. Conservation District	selen@fultonecountyconservationdistrict.org	717-816-9485
Ricie Buterbaugh	MC Cbg, Boro		717-485-5511
Frank H. Michael LuAnne Heebaut Licking Creek	Union Twp Licking Creek Twp	AHMICHAEL40GMAIL.COM lickingcreek01@ frontier frontier.net	717-503-3547 717-830-3115
MaryK. Seville	Fulton Co. Planning	mseville@co.fulton.pa.us	919-485-3919
Brian Patton	Fulton Co EMT/911	bipatton@co.fulton.pa.us	717-485-3301





MEETING NOTES

Meeting	Fulton County Hazard Mitigation Plan Risk Assessment/Capability Assessment Review Meeting		
Date	December 9, 2019	Time	6:00 – 7:00 p.m.
Location	Fulton County EOC Conference Room, Services for Children Building, 219 North Second Street, McConnellsburg, PA		
Attendees	Mary K. Seville, Planning & Mapping Director, Fulton County Planning & Mapping Department		
	Brian Barton, Fulton County Emergency Management Agency (EMA)/911		
	Jeremy Fletcher, Member, Fulton County Planning Commission		
	Seleen Shives, Fulton County Conservation District		
	Marlin E. Harr, Supervisor, Ayr Township		
	Delmas F. Bard, Supervisor, Brush Creek Township		
	Connie Hann, Secretary, Dublin Township and Todd Township		
	Rick Buterbaugh, Council Member, McConnellsburg Borough		
	Rod Kelly, Supervisor, Taylor Township		
	Murray Romig, Supervisor, Taylor Township		
	Eric Reckner, Emergency Management Coordinator, Thompson Township		
	Alan H. Michael, Supervisor, Union Township		
	Kriste Shoop, Fulton County Medical Center		
	Lisa Johnston, Fulton County Chamber of Commerce & Tourism		
	M. Hudson, Citizen		
Bob Povlich, Planning Coordinator, Franklin County Department of Emergency Services			

Discussion Points

This section summarizes each discussion point addressed during the Risk Assessment/Capability Assessment Review Meeting.

Welcome

Ms. Seville welcomed attendees to the meeting and the planning process. Attendees introduced themselves and identified the organizations they represented.

Worksheet Completion Status

The status of the Hazard Evaluation, Capability Assessment, Mitigation Strategy, and NFIP surveys that had been provided to the municipalities to complete was reviewed. At the start of the meeting, 9 of the 13 municipalities had completed the surveys. Reminders were provided to the remaining municipalities to complete and submit their worksheets prior to December 31, 2019.



MEETING NOTES

Risk Assessment Results

Ms. Seville reviewed the draft risk assessment results. She described the hazards that were profiled. High-risk hazards included flood, flash flood, ice jam; winter storm; transportation accidents; environmental hazards; and drought. Moderate-risk hazards included dam failure; earthquake; tornadoes and windstorms; subsidence and sinkholes; and radon exposure. Wildfire, hailstorm, and landslide were rated as low risk.

There was open discussion about the rankings and attendees agreed that the ratings appeared to be accurate based on information available. There was a discussion about a landslide on former Route 126 in Union Township, resulting in the road being closed to traffic. Other discussions included the following:

- Ensuring the two tornadoes in 2019 were included in the Tornadoes and Windstorms hazard profile
- Ensuring that the wildfire in Todd Township on November 27, 2019 was included in the Wildfire hazard profile.

The municipalities were then given a list of the hazards identified and were asked to compare their municipalities' risk to each hazard compared to the risk to the county as a whole.

Capability Assessment Results

The draft results of the capabilities assessment for the county and each municipality were reviewed. Each attendee was asked to review the capability assessment results, and to update the information to their current abilities. Municipalities were also reminded that the Fulton County Emergency Management Agency is available to assist municipalities in developing relevant capabilities.

Next Steps

The following next steps were reviewed at the meeting:

1. Municipalities that had not submitted their worksheets will do so.
2. Attendees will begin to identify mitigation actions for inclusion in the plan.
3. The Mitigation Solutions Workshop will be conducted on January 15, 2020.

The meeting adjourned at 7:00 p.m.



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**Fulton County
Hazard Mitigation Plan (HMP) Update
Risk Assessment/ Capability Assessment
Review Meeting**




1

Agenda

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



2

Welcome



3

Worksheet Completion Status

- Still need worksheets from 4 municipalities
- Participation status tracker available upon request
- Worksheet completion is a participation requirement for the HMP
 - Lack of participation in this HMP planning process can prevent funding eligibility



4

**Risk Assessment Results
Hazard Profiles**

- **Dam Failure**
 - 7 dams; 3 high hazard
 - History
 - No history of dam failures
 - Worst case
 - Cowan's Gap Dam
 - Population in the inundation area
 - People using the lake for recreation



5

**Risk Assessment Results
Hazard Profiles**

- **Drought**
 - History (1980-2016)
 - 28 drought watch declarations
 - 11 drought warning declarations
 - 12 drought emergency declarations
 - Nearly \$4.5 million in lost crop insurance payments within the County from 1948-2016
 - Exposure
 - 100,465 acres of farmland
 - \$12.3 million per year in agricultural products
 - \$63.6 million in livestock, poultry, and associated products



6



Risk Assessment Results Hazard Profiles

- Earthquake
 - History
 - None with epicenters in the County since 1950
 - Exposure
 - Entire County
 - Annualized losses
 - \$8,133
 - Losses from 500-year Mean Return Period (MRP) event
 - \$746,000 in building damage
 - 3,230 tons of debris




7

Risk Assessment Results Hazard Profiles

- Environmental Hazards (Hazardous Materials)
 - History
 - 2 significant incidents since 2004
 - 4 major manure spills since 2002
 - No significant incidents since 2010
 - Many other small spills
 - Exposure
 - 7,045 people within 0.25 mile of major roadway
 - 2,018 people within vulnerability radius of a hazmat facility
 - Expected damage depends on the incident



8

Risk Assessment Results Hazard Profiles

- Flood, Flash Flood, and Ice Jam (1% annual chance)
 - History
 - County has been declared a federal disaster area 10 times since 1954
 - 17 major floods, flash floods, or ice jams since 1950
 - Exposure
 - \$63.4 million in exposed property value
 - Expected losses (1% annual chance flood)
 - \$16,073,000 in property damage (including residential, commercial, and other occupancy types)
 - 1,180 tons of debris
 - 586 individuals displaced



9

Risk Assessment Results Hazard Profiles

- Hailstorm
 - History
 - Up to the size of a baseball
 - 14 major events since 1950
 - Very little reported damage
 - Exposure
 - 100,465 acres of farmland
 - Nearly \$76 million in agricultural products




10

Risk Assessment Results Hazard Profiles

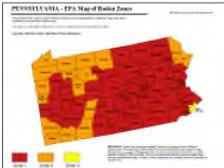
- Landslide
 - History
 - No recorded events or damage
 - Exposure
 - Areas with greater than 25% slope
 - 176 residents in the landslide hazard area
 - \$34.9 million in property in the hazard area
 - Expected losses depend on the nature and extent of the landslide




11

Risk Assessment Results Hazard Profiles

- Radon Exposure
 - High exposure potential
 - Average level in Fulton County homes is 14 picoCuries per liter (pCi/L)
 - EPA action level is 4 pCi/L
 - U.S. average is about 1.3 pCi/L




12



Risk Assessment Results Hazard Profiles

- Subsidence and Sinkholes
 - Abandoned mines
 - Mined-out areas
 - Near-surface limestone
 - Profile analyzes exposure only on near-surface limestone
 - 4,721 people
 - \$940 million in structure replacement cost
 - 72 critical facilities



13

Risk Assessment Results Hazard Profiles

- Tornadoes and Windstorms
 - History
 - 5 tornadoes since 1950
 - 80 wind events from 1950–2019
 - Exposure
 - Entire County's building stock
 - Expected Losses - 500-year MRP event (39-73 mph [tropical storm])
 - \$640,000 in damage to building stock
 - 2,433 tons of debris (almost all tree debris)



14

Risk Assessment Results Hazard Profiles

- Transportation Accidents
 - History (2013-2017)
 - 1,270 major vehicle accidents
 - 24 fatalities
 - Potential economic impacts and other damage
 - Hazardous materials releases
 - Power failure from utility poles being damaged



15

Risk Assessment Results Hazard Profiles

- Wildfire
 - History
 - 25 wildfires, 2011-2019
 - Does not include all events
 - Exposure
 - 10,006 people
 - 5,282 structures
 - \$1.5 billion in structure value



16

Risk Assessment Results Hazard Profiles

- Winter Storm
 - History
 - 53 major winter storm events since 1996
 - 6 disaster declarations since 1954
 - Exposure
 - All structures in the County are vulnerable
 - \$1.4 billion in structural value



17

Risk Assessment Results Risk Factor Analysis

- Risk Ranking for Fulton County

HAZARD	RISK	HAZARDS	RISK ASSESSMENT CATEGORY				RISK	
			PROBABILITY	IMPACT	SPATIAL EXTENT	WARNING TIME	DURATION	FACTOR (RF)
HIGH		Flood	3	4	4	3	4	3.6
		Winter Storm	4	3	4	1	4	3.4
		Transportation Accidents	4	2	2	4	2	2.8
		Environmental Hazards	3	2	2	4	3	2.6
MODERATE		Drought	3	1	4	1	4	2.5
		Dam Failure	1	3	2	4	3	2.3
		Earthquake	2	1	4	4	1	2.2
		Tornado Wind	4	1	1	4	1	2.2
		Subsidence/Sinkhole	3	1	1	4	4	2.2
LOW		Radio Exposure	4	1	1	3	1	2.1
		Wildfire	3	1	1	4	1	1.9
		Hallatorm	2	1	2	3	1	1.7
		Landslide	1	1	1	4	4	1.6



18



Next Steps

- Complete Municipal Worksheets
- Identify Mitigation Actions
- Conduct Mitigation Solutions Workshop
– January 15, 2020



25

Questions?

Thank you for your time!



26

Contacts



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27



AGENDA

FULTON COUNTY HAZARD MITIGATION PLAN UPDATE Risk Assessment/Capability Assessment Review Meeting

Monday, December 9, 2019 | 6:00 – 8:00 p.m.

-
1. Welcome

 2. Worksheet Completion Status

 3. Risk Assessment Results
 - a. Hazard Profiles
 - b. Risk Factor Analysis

 4. Capability Assessment Results

 5. Next Steps

 6. Questions



Fulton County Hazard Mitigation Plan
Risk Assessment/Capability Assessment Review Meeting

Worksheet Completion Status

Municipality	Hazard Evaluation Survey	Capability Assessment Survey	Mitigation Strategy Survey	NFIP Survey
Fulton County	x	x	x	N/A
Ayr Township	x	x	x	x
Belfast Township	x	x	x	x
Bethel Township	x	x	x	x
Brush Creek Township	x	x	x	x
Dublin Township	x	x	x	x
Licking Creek Township	x	x	x	x
McConnellsburg Borough				
Taylor Township	x	x	x	x
Thompson Township	x			
Todd Township	x	x	x	x
Union Township	x	x	x	x
Valley-Hi Borough				
Wells Township				

Information current as of 11/18/19



Fulton County Steering Committee
Risk Assessment/Capability Assessment Review Meeting

Risk Ranking for Fulton County

HAZARD RISK	HAZARDS	RISK ASSESSMENT CATEGORY					RISK FACTOR (RF)
		PROBABILITY	IMPACT	SPATIAL EXTENT	WARNING TIME	DURATION	
HIGH	Flood, Flash Flood, Ice Jam	3	4	4	3	4	3.6
	Winter Storm	4	3	4	1	4	3.4
	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
	Earthquake	2	1	4	4	1	2.2
	Tornadoes and Windstorms	4	1	1	4	1	2.2
	Subsidence and Sinkholes	3	1	1	4	4	2.2
	Radon Exposure	4	1	1	3	1	2.1
LOW	Wildfire	3	1	1	4	1	1.9
	Hailstorm	2	1	2	3	1	1.7
	Landslide	1	1	1	4	4	1.6

Fulton County Hazard Mitigation Plan
Risk Assessment/Capability Assessment Review Meeting

Summary of Risk Factor (RF) Approach				
Risk Assessment Category	Degree of Risk			Weight Value
	Level	Criteria	Index	
PROBABILITY <i>What is the likelihood of a hazard event occurring in a given year?</i>	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 <i>In terms of injuries, damage, or death, would you anticipate impacts to be minor, limited, critical, or catastrophic when a significant hazard event occurs?</i>	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 <i>How large of an area could be impacted by a hazard event? Are impacts localized or regional?</i>	NEGLECTIBLE	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 <i>Is there usually some lead time associated with the hazard event? Have warning measures been implemented?</i>	MORE THAN 24 HRS	SELF-DEFINED	1	10%
	12 TO 24 HRS	SELF-DEFINED	2	
	6 TO 12 HRS	SELF-DEFINED	3	
	LESS THAN 6 HRS	SELF-DEFINED	4	
DURATION <i>How long does the hazard event usually last?</i>	LESS THAN 6 HRS	SELF-DEFINED	1	10%
	LESS THAN 24 HRS	SELF-DEFINED	2	
	LESS THAN 1 WEEK	SELF-DEFINED	3	
	MORE THAN 1 WEEK	SELF-DEFINED	4	

Example Equation

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

Jurisdiction Risk - _____ (Municipality)

Dam Failures	Drought	Earthquake	Environmental Hazards	Flooding/Flash Flood/Ice Jam	Hailstorm	Landslide	Radon Exposure	Subsidence and Sinkholes	Tornado/Windstorm	Transportation Accidents	Wildfire	Winter Storm
2.3	2.5	2.2	2.6	3.6	1.7	1.6	2.1	2.2	2.2	2.8	1.9	3.4

- > Your municipality’s risk from this hazard is greater than the County’s risk as a whole.
- < Your municipality’s risk from this hazard is less than the County’s risk as a whole.
- = Your municipality’s risk from this hazard is about the same as the County’s risk as a whole.

Capability Assessment Tables

The criteria for the assessments for each Fulton County municipality are listed in the tables on the following pages:

- Table 1 lists criteria for the planning and regulatory capability.
- Table 2 lists criteria for administrative and technical capability.
- Table 3 lists fiscal capability.
- Table 4 lists education and outreach capability.
- Table 5 presents a capability self-assessment matrix.

Table 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	Other
Fulton County	X	X	-	-	X	N/A	N/A	N/A	-	-	-	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	-	-
Licking Creek Township	X	X	-	-	X	X	-	X	-	-	X	X	X	X	-	-	-	-	-	X	-	X*
McConnellsburg Borough	X	X	-	-	-	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Taylor Township	X	X	-	-	-	X	-	X	-	-	X	-	-	X	-	-	-	-	-	-	-	-
Thompson Township	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Todd Township	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	X	X	X	X	X	X	X	X	X

Notes:
 “X” indicates that the municipality currently has this capability in place.
 “-” indicates no capability is currently in place.
 Highlight indicates values shown are from the 2015 HMP.
 Blanks indicate that no information was received from the municipality for the current effort or the 2015 HMP.

COOP Continuity of Operations
 CRS Community Rating System
 EOP Emergency Operations Plan
 NFIP National Flood Insurance Program



Fulton County Steering Committee
Risk Assessment/Capability Assessment Review Meeting

Table 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	Emergency Manager	NFIP Floodplain Administrator	Land Surveyors	Scientists or Staff familiar with the hazards of the community	Personnel skilled in GIS and/or the FEMA 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	N/A	-	X	X	-	-	-
Ayr Township	-	-	X	-	X	-	-	-	-	-	-
Belfast Township	-	-	X	-	X	-	-	-	-	-	-
Bethel Township	-	-	X	X	X	X	-	-	-	-	-
Brush Creek Township	-	-	X	X	X	X	-	-	-	-	-
Dublin Township	-	-	-	-	X	-	-	-	-	-	-
Licking Creek Township	-	-	X	X	X	-	-	-	-	-	-
McConnellsburg Borough	-	X	X	X	X	-	-	-	-	-	-
Taylor Township	-	-	X	X	X	-	-	-	-	-	-
Thompson Township	-	-	X	X	X	-	-	-	-	-	-
Todd Township	-	-	-	-	X	-	-	-	-	-	-
Union Township	X	-	-	X	X	-	-	-	-	-	-
Valley-Hi Borough	-	-	-	-	-	-	-	-	-	-	-
Wells Township	-	-	-	X	X	-	-	-	-	-	-

Notes:

“X” indicates that the municipality currently has this capability in place.

“-” indicates no capability is currently in place.

Highlight indicates no response was received from the municipality for the current effort. Values shown are from the 2015 HMP.

FEMA Federal Emergency Management Agency
GIS Geographic Information System

HAZUS Hazards U.S. – Multi-Hazard
NFIP National Flood Insurance Program



Fulton County Steering Committee
Risk Assessment/Capability Assessment Review Meeting

Table 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	-	-	-	-	-	-	-	-	-	-
Ayr Township	-	-	-	-	-	-	-	-	-	-
Belfast Township	-	-	-	-	X	-	-	-	-	X*
Bethel Township	-	X	-	-	X	-	-	-	-	-
Brush Creek	-	-	-	-	-	-	-	-	-	-
Dublin Township	-	-	-	-	-	-	-	-	-	-
Licking Creek	-	X	-	-	-	-	-	-	-	-
McConnellsburg Borough	-	-	-	-	-	-	-	-	-	-
Taylor Township	-	-	-	-	-	-	-	-	-	-
Thompson Township	-	-	-	-	-	-	X	X	X	-
Todd Township	-	X	-	-	X	-	-	-	-	-
Union Township	-	-	-	-	-	-	-	-	-	-
Valley-Hi Borough										
Wells Township	-	-	-	-	-	-	-	-	-	-

Notes:

"X" indicates that the municipality currently has this capability in place.

"-" indicates no capability is currently in place.

Highlight indicates no response was received from the municipality for the current effort. Values shown are from the 2015 HMP.

Blank space indicates no response was received from the municipality for the current effort or 2015 HMP.

Fulton County Steering Committee
Risk Assessment/Capability Assessment Review Meeting

Table 4. Education and Outreach Capability

Municipality	Firewise Communities Certification	StormReady Certification	Natural Disaster or Safety-Related School Programs	Ongoing public education or information program (e.g., responsible water use, fire safety, household preparedness, environmental	Public-private partnership initiatives addressing disaster-related issues	Local citizen groups or nonprofit organizations focused on environmental protection, emergency preparedness, access and functional needs populations, etc.	Other
Fulton County	-	X	X	-	-	-	-
Ayr Township	-	X	-	-	-	-	-
Belfast Township	-	X	-	-	-	-	-
Bethel Township	-	X	-	-	-	-	-
Brush Creek Township	-	X	-	-	-	-	-
Dublin Township	-	X	-	-	-	-	-
Licking Creek Township	-	X	-	-	-	-	-
McConnellsburg Borough		X					
Taylor Township	-	X	-	-	-	-	-
Thompson Township		X					
Todd Township	-	X	-	-	-	-	-
Union Township	-	X	-	-	-	-	-
Valley-Hi Borough		X					
Wells Township		X					

Notes:

“X” indicates that the municipality currently has this capability in place.

“-” indicates no capability is currently in place.

Blank space indicates no response was received from the municipality.

Fulton County Steering Committee
Risk Assessment/Capability Assessment Review Meeting

Table 5. Capability Self-Assessment Matrix

Municipality	Capability Category			
	Planning and Regulatory Capability	Administrative and Technical Capability	Financial Capability	Education and Outreach Capability
Fulton County	M	M	L	M
Ayr Township	M	M	M	M
Belfast Township	L	L	L	L
Bethel Township				
Brush Creek Township	M	H	M	M
Dublin Township	M	M	M	L
Licking Creek Township	M	M	L	L
McConnellsburg Borough	M	M	H	
Taylor Township	M	M	L	
Thompson Township	H	H	H	
Todd Township	M	M	M	L
Union Township	L	L	L	L
Valley-Hi Borough				
Wells Township	M	M	L	

Notes:

Blank space indicates no response received from the municipality for the 2015 HMP update or the current effort.

Highlight indicates no response received from the municipality for the current effort. Values shown are from the 2015 HMP.

- L = Limited
- M = Moderate
- H = High





Please provide the following information for the update of actions and initiatives for your mitigation strategy. Suggested actions have been developed based on an analysis of Fulton County's needs and capabilities or were carried over from the previous hazard mitigation plan (HMP) update. If questions do not apply to your municipality, please indicate with N/A.

Please provide as much detail as possible so that mitigation actions can be expanded and customized for your municipality to accurately reflect your capabilities and methods of operation.

1. Which properties in your jurisdiction are most at-risk to flood events and would have the greatest need for retrofitting or other flood hazard mitigation measures? All repetitive loss and severe repetitive loss properties should be included. Specific property addresses do not need to be listed, (to ensure residential privacy) but names of streets or neighborhoods can be included.

2. What public outreach and education actions would you be most interested in implementing?
 - A. Provide general natural hazard risk preparedness and mitigation and related National Flood Insurance Program (NFIP) information in regular newsletters and mailings.
 - B. Provide natural hazard risk and risk reduction information through social media channels and e-mail blast systems.
 - C. Post flyers and other readily available NFIP informational materials at municipal hall or distribute at regular civic meetings.
 - D. Develop/maintain a natural hazard risk management webpage on the municipal website where information and mapping can be posted.
 - E. Encourage regular offerings of the American Red Cross Citizen's Disaster Course and other relevant classes.
 - F. Encourage private business owners and managers of infrastructure that provide critical services in post-disaster situations to develop Continuity of Operations Plans or Business Continuity Plans.
 - G. Enhance public outreach to residents in NFIP floodplain areas to inform them of annual grant opportunities, which may include distributing periodic articles and including handouts in the annual newsletter.
 - H. Other:

3. Which critical facilities still need or would benefit from a backup generator or redundant power supply?



4. Which roads would benefit from mitigation or structural projects to reduce vulnerability to hazardous materials (HazMat) incidents? Also, please specify the types of projects that would most help a high-risk road (for example, lower speed limits), if this information is available.

5. Which roads would benefit from mitigation or structural projects to reduce vulnerability to flood or stormwater incidents? Also, please specify the types of projects that would most help a high-risk road (for example, new/expanded culvert, road elevation, repaving, etc.), if this information is available.

6. What areas in the municipality are still in need of stormwater rehabilitation and upgrades?

7. What other roads in the municipality are considered high-risk and would benefit from improved design, routing, and traffic control functions? Which hazards (if any) are these roads most vulnerable to?

Hazards being profiled in the HMP are dam failure, drought, earthquake, environmental hazards (hazardous materials releases), flood, hailstorm, landslide, radon exposure, subsidence and sinkholes, tornadoes and windstorms, transportation accidents, wildfire, and winter storms.

8. What other mitigation projects are you interested in or targeting for completion during the next 5 years? Please provide as much detail as possible.



FULTON COUNTY HAZARD MITIGATION PLAN UPDATE
 Risk Assessment/Capability Assessment Review Meeting

SIGN-IN

Monday, December 9, 2019 | 6:00 – 8:00 p.m.

NAME / TITLE	AGENCY / ORGANIZATION	E-MAIL ADDRESS	TELEPHONE
Murray Romig Supervisor	Taylor Twp.		814 685-3857
Rod Kelly Supervisor	Taylor Twp.	d.kelly@taylorwp.pa.gov	717 987-5836
Joe Shuster	Chamber of Commerce	director@fultoncountypa.com	717-485-4864
Shirley Sharp	EMC	kshoop@emc.pa.org	717-485-7309
Marilyn Haas	PA & PA		717-814-8614
BOB PAULICH TRAINING COORDINATOR	FRANKLIN CO. DEPT OF EMER. SVCS.	rpaulich@franklincountypa.gov	717-264-2813
Gunnir Hinn TODD Dublin Secretary	Dublin Township Twin Ship	Chann@PA.NET	717-987-4219
Brian Boster	Fulton County EMA		
DELMAS F BARD	BUSH CREEK	dfbard@y4hwa.com	301 667 3219
Mark Sewille	Fulton Co. Planning	mksவில்லை@fulton.pa.us	919-485-3919





FULTON COUNTY HAZARD MITIGATION PLAN UPDATE
 Risk Assessment/Capability Assessment Review Meeting

SIGN-IN

Monday, December 9, 2019 | 6:00 - 8:00 p.m.

NAME / TITLE	AGENCY / ORGANIZATION	E-MAIL ADDRESS	TELEPHONE
M Hudson	City of	webstersm11@aol.com	
Jeremy Fether	FERC	jfether@ees-engr.com 816-5483	
Seleen Shives	FCCD	seleen@fulthncountycnservationdistrict.org	325-6093
Ann L. N. S. S.	Union	ANN@UNION.S.W.VA	717-503-3547
Rick Botschugh	McCbg Boro		717-485-5511
ERIC Beckner	THOMPSON TOWNSHIP	ERIK189@AOL.COM	443-871-6770





MEETING NOTES

Meeting	Fulton County Hazard Mitigation Plan Mitigation Strategy Workshop		
Date	January 15, 2020	Time	6:00 – 8:00 p.m.
Location	Fulton County EOC Conference Room, Services for Children Building, 219 North Second Street, McConnellsburg, PA		
Attendees	Mary K. Seville, Planning & Mapping Director, Fulton County Planning & Mapping Department		
	Brian Barton, Fulton County Emergency Management Agency (EMA)/911		
	Donna Welsh, Ayr Township		
	Ray Powell, Supervisor, Bethel Township		
	Richard Harr, Supervisor, Belfast Township		
	Connie Hann, Secretary, Dublin Township and Todd Township		
	Eric Reckner, Emergency Management Coordinator, Thompson Township		
	Nelson DeShong, Supervisor, Todd Township		
	Jim Gress, Supervisor, Todd Township		
	Stanley Mellott, Supervisor, Todd Township		
	Alan H. Michael, Supervisor, Union Township		
	Chip Keebaugh, American Red Cross		
	Allen White, American Red Cross		
	Michelle Hall, Central Fulton School District		
	Bob Povlich, Planning Coordinator, Franklin County Department of Emergency Services		

Discussion Points

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

Welcome

Ms. Seville welcomed attendees to the meeting. Attendees introduced themselves and identified the organizations they represented.

Worksheet Completion Status

A review was conducted of the status of the Hazard Evaluation, Capability Assessment, Mitigation Strategy, and NFIP surveys, which had been provided to the municipalities to complete. At the start of the meeting, 12 of the 13 municipalities had completed the surveys. Ms. Seville reminded attendees that worksheet completion is a participation requirement for the planning process. No representative of the remaining municipality was present at the meeting. Ms. Seville will reach out to remind the municipal officials to complete the worksheets.



MEETING NOTES

Municipal Risk Factor Analysis

At the start of the meeting, four municipalities had not completed and turned in their risk factor analysis worksheets. During the meeting, two municipalities completed their worksheets and turned them in. The other two municipalities will be reminded that they need to complete them and submit them to Ms. Seville.

Goals and Objectives Review

Ms. Seville reviewed the goals and objectives of the 2020 HMP with the attendees. Questions arose about houses that need to be demolished throughout the county. There was also a discussion about the types of ordinances needed for those properties. The discussion was followed by a question about who would enforce the ordinances, as the Pennsylvania State Police do not enforce municipal ordinances according to the understanding of those present. Another question concerned whether the county was able to enforce an ordinance and the possibility of using the County Sheriff.

Review Existing Mitigation Strategy

After reviewing the existing mitigation action plan, some extra mitigation actions were added. The Todd Township items included the flooding that occurs in the Cold Springs Development; and in areas around Waring, the ball fields, and Cloverleaf Court. The Narrow Road bridge near Stage Coach Road also needs to be replaced. The "Horseshoe Turn" in Belfast Township was added, because of tractor trailer accidents in that area. There was also a discussion about revising the wording of FC-15 in Union Township regarding the slide area.

Next Steps

The following next steps were reviewed at the meeting:

1. Municipal officials will submit action worksheets for any actions to be added to the HMP by February 28, 2020.
2. Ms. Seville will reach out to the remaining municipality to submit its worksheets.
3. A mitigation strategy review meeting will be conducted after the mitigation strategy is finalized.
4. The draft HMP will be finished and posted for public comment.
5. A public draft review meeting will be conducted after the public comment period.
6. The plan will be submitted to the Pennsylvania Emergency Management Agency (PEMA) following the public meeting.

The meeting adjourned at 8:00 p.m.



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

Agenda

- Welcome
- Worksheet Completion Status
- Municipal Risk Factor Analysis
- Review Existing Mitigation Strategy
- Develop the Updated Mitigation Strategy
- Next Steps
- Questions

Welcome

Worksheet Completion Status

- Still need worksheets from *just 1 more municipality!*
- Participation status tracker available upon request
- Worksheet completion is a participation requirement for the HMP
 - Lack of participation in this HMP planning process can prevent funding eligibility

Municipal Risk Factor Analysis

- Risk Factor Analysis

HAZARD RISK	HAZARDS	RISK ASSESSMENT CATEGORY					RISK FACTOR (RF)
		PROBABILITY	IMPACT	SPATIAL EXTENT	WARNING TIME	DURATION	
HIGH	Flood	3	4	4	3	4	3.6
	Winter Storm	4	3	4	1	4	3.4
	Transportation Accidents	4	2	2	4	2	2.8
	Environmental Hazards	3	2	2	4	3	2.6
	Drought	3	1	4	1	4	2.2
MODERATE	Dem Failure	1	3	2	4	3	2.3
	Earthquake	2	1	4	4	1	2.2
	Tornado/Wind	4	1	1	4	1	2.2
	Subsidence/Sinkhole	3	1	1	4	4	2.2
	Radon Exposure	4	1	1	3	1	2.1
LOW	Wildfire	3	1	1	4	1	1.9
	Halatexon	2	1	2	3	1	1.7
	Landslide	1	1	1	4	4	1.6

Municipal Risk Factor Analysis

Jurisdiction Risk - _____ (Municipality)

Dem Failures	Drought	Earthquake	Environmental Hazards	Flooding/Flash Flood/ice jam	Hallitcom	Landslide	Radon Exposure	Subsidence and Sinkholes	Tornado/Transportation Accidents	Wildfire	Winter Storm	
2.3	2.5	2.2	2.6	3.6	1.7	1.6	2.1	2.2	2.2	2.8	1.9	3.4

- > Your municipality's risk from this hazard is greater than the County's risk as a whole
- < Your municipality's risk from this hazard is less than the County's risk as a whole
- = Your municipality's risk from this hazard is about the same as the County's risk as a whole



Review Existing Mitigation Strategy

Goals Review

2020 Goals and Objectives
<p>Goal 1: Protect the people, property, and environment in hazard areas.</p> <p>Objective 1.A: Incentive property protection measures and their applicability to the community.</p> <p>Objective 1.B: Protect critical facilities in hazard areas.</p> <p>Objective 1.C: Acquire, elevate, relocate, and/or retrofit existing structures, including repetitive loss properties, located in hazard areas.</p> <p>Objective 1.D: Encourage homeowners, renters, and businesses to insure their properties against all hazards, including flood coverage under the National Flood Insurance Program (NFIP).</p> <p>Objective 1.E: Protect the County's natural resources.</p>
<p>Goal 2: Prevent hazards from impacting the community.</p> <p>Objective 2.A: Work with the municipalities to create and/or update local regulations (e.g., zoning, subdivision, and land development).</p> <p>Objective 2.B: Address areas of roadway that are vulnerable to hazard impacts.</p>
<p>Goal 3: Enhance awareness, understanding, and preparedness among local, county, state, and federal emergency management personnel to protect public health and safety.</p> <p>Objective 3.A: Ensure adequate communication capabilities among emergency response organizations.</p> <p>Objective 3.B: Continue to help municipal Emergency Management Coordinators, relevant personnel, and interested members of the community on hazard protection, preparedness, and response.</p> <p>Objective 3.C: Ensure adequate water supply to fight urban and wildland fires.</p>
<p>Goal 4: Ensure that stakeholder groups have necessary information to mitigate against hazard impacts.</p> <p>Objective 4.A: Develop public education and outreach programs on hazards and hazard mitigation.</p> <p>Objective 4.B: Educate property owners in hazard risk areas regarding their risks and the procedures they can take.</p> <p>Objective 4.C: Encourage residents to implement hazard mitigation and preparedness measures on their properties.</p>



8

Review Existing Mitigation Strategy

Status of 2015 Actions

Priority Mitigation Action	Status					Review Comments
	In Progress/On Track	Complete	Continued	Completed	Discontinued	
TC 1. County: Identify and conduct relevant courses and/or training for citizens involved with County EOP and other emergency response organizations and emergency responders in flood and fire to protect the transportation.				X	X	This training is currently updated and considered a regularity.
TC 2. County: Engage the process to review and revise existing subdivision and land development regulations to address flood risk, subsidence/landslide risk, and other hazard risks as appropriate. This effort will be coordinated with the regional, state, and federal emergency management personnel. County can consider public outreach activities (seminars, a fair, and public presentation) to demonstrate, interpret, and make recommendations to demonstrate, interpret, and make recommendations to demonstrate.					X	<ul style="list-style-type: none"> The County participated in a County regional comprehensive plan through the Southern Alleghenies Planning and Development Commission. Local regulations are being updated to reflect the comprehensive plan.
TC 3. County and All Municipalities: Develop and implement an awareness of hazards, public outreach and/or information referral program on risk of hazard like wind and structural degradation of what residents can do in the way of mitigation and preparedness, including flood and drought.			X		X	This is continuously implemented and considered a regularity.
TC 4. County and All Municipalities: Encourage cross-training of emergency personnel on other emergency personnel resources, as being used for being prepared to respond and coordinate with local safety. Areas for further professional development may include planning expertise, financial administration, hazard management, grant writing and funding, and other related programs.		X	X		X	<ul style="list-style-type: none"> This is continuously implemented and considered a regularity. The County marked this as continuous. Local Emergency marked this as a program.



9

Review Existing Mitigation Strategy



10

Develop the Updated Mitigation Strategy

- Purpose of the Mitigation Strategy**
 - Reduce likelihood of hazard impacts
 - Lessen impacts of hazards
- Suggested Goals and Objectives**
 - See Handout for Updated Goals and Objectives
- Categories of Mitigation Actions**
 - Local Plans and Regulations (LPR)
 - Structure and Infrastructure Projects (SIP)
 - Natural Systems Protection (NSP)
 - Education and Awareness Programs (EAP)



11

Develop the Updated Mitigation Strategy

- Example Mitigation Actions**
 - LPR:** Review and revise local regulations to minimize risk from hazards
 - SIP:** Acquire, elevate, relocate, or flood-proof structures
 - NSP:** Promote restoration of local wetlands
 - EAP:** Cross-train personnel to build technical capability
 - EAP:** Develop a hazards information page on the Township/Borough website



12

Develop the Updated Mitigation Strategy

- Identify Additional Mitigation Actions (pretending you have all the time and money in the world!)**
 - What plans or regulations does your municipality need?
 - What information must you provide to your residents and visitors?
 - What property and products can be insured?
 - What additional staff do you need?
 - Where are your problem areas? What can be done about them?
 - What critical facilities need backup power generators? What about traffic lights?



13



Develop the Updated Mitigation Strategy

- Problems and Problem Areas
 - Dam Failure – awareness of people downstream
 - Environmental Hazards
 - Awareness of people within vulnerability radius of hazmat facility
 - Small spills from transportation accidents
 - Floods, Flash Floods, and Ice Jams
 - What culverts/bridges give you problems?
 - Where do you need to keep closing the road?

14



Develop the Updated Mitigation Strategy

- Problems and Problem Areas
 - Landslides
 - Where does the hill keep falling on the road?
 - Transportation Accidents
 - PA-915 near Slabtown Drive
 - US-30 near South Valley Road
 - I-70 in Brush Creek Township
 - Other intersections/corridors?

15



Develop the Updated Mitigation Strategy

Mitigation Action Worksheet

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

16



Next Steps

- Identify and Submit Mitigation Actions
- Solicit Additional Participation
- Conduct Mitigation Strategy Review Meeting
- Finalize the Draft HMP
- Provide Public Comment Period
- Conduct Draft Review Meeting
- Submit Plan Update to Pennsylvania Emergency Management Agency (PEMA)
- Submit Plan Update to Federal Emergency Management Agency (FEMA)

17



Questions?

Thank you for your time!

18



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19





AGENDA

FULTON COUNTY HAZARD MITIGATION PLAN UPDATE Mitigation Strategy Workshop

Wednesday, January 15, 2020 | 6:00 – 8:00 p.m.

1. Welcome

2. Worksheet Completion Status

3. Municipal Risk Factor Analysis

4. Review Existing Mitigation Strategy

- a. Goals and Objectives Review
- b. Status of 2015 Mitigation Actions

5. Develop the Updated Mitigation Strategy

- a. Purpose of the Mitigation Strategy
- b. Suggested Goals and Objectives
- c. Categories of Mitigation Actions
- d. Example Mitigation Actions
- e. Additional Mitigation Actions
- f. Problems and Problem Areas
- g. Mitigation Action Worksheet

6. Next Steps

- a. Identify and Submit Mitigation Actions
- b. Solicit Additional Participation
- c. Conduct Mitigation Strategy Review Meeting
- d. Finalize the Draft HMP
- e. Provide Public Comment Period
- f. Conduct Draft Review Meeting
- g. Submit Plan Update to PEMA
- h. Submit Plan Update to FEMA

7. Questions

8.



Fulton County Hazard Mitigation Plan
Mitigation Strategy Workshop

Worksheet Completion Status

Municipality	Hazard Evaluation Survey	Capability Assessment Survey	Mitigation Strategy Survey	NFIP Survey	Risk Factor Analysis
Fulton County	x	x	x	N/A	N/A
Ayr Township	x	x	x	x	x
Belfast Township	x	x	x	x	
Bethel Township	x	x	x	x	
Brush Creek Township	x	x	x	x	x
Dublin Township	x	x	x	x	x
Licking Creek Township	x	x	x	x	
McConnellsburg Borough	x	x	x	x	x
Taylor Township	x	x	x	x	x
Thompson Township	x	x	x	x	x
Todd Township	x	x	x	x	x
Union Township	x	x	x	x	x
Valley-Hi Borough					
Wells Township					

Information current as of 12/26/19



Risk Ranking for Fulton County

HAZARD RISK	HAZARDS	RISK ASSESSMENT CATEGORY					RISK FACTOR (RF)
		PROBABILITY	IMPACT	SPATIAL EXTENT	WARNING TIME	DURATION	
HIGH	Flood, Flash Flood, Ice Jam	3	4	4	3	4	3.6
	Winter Storm	4	3	4	1	4	3.4
	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
	Earthquake	2	1	4	4	1	2.2
	Tornadoes and Windstorms	4	1	1	4	1	2.2
	Subsidence and Sinkholes	3	1	1	4	4	2.2
	Radon Exposure	4	1	1	3	1	2.1
LOW	Wildfire	3	1	1	4	1	1.9
	Hailstorm	2	1	2	3	1	1.7
	Landslide	1	1	1	4	4	1.6

Jurisdiction Risk - _____ (Municipality)

Dam Failures	Drought	Earthquake	Environmental Hazards	Flooding/Flash Flood/Ice Jam	Hailstorm	Landslide	Radon Exposure	Subsidence and Sinkholes	Tornado/Windstorm	Transportation Accidents	Wildfire	Winter Storm
2.3	2.5	2.2	2.6	3.6	1.7	1.6	2.1	2.2	2.2	2.8	1.9	3.4

- > Your municipality’s risk from this hazard is greater than the County’s risk as a whole.
- < Your municipality’s risk from this hazard is less than the County’s risk as a whole.
- = Your municipality’s risk from this hazard is about the same as the County’s risk as a whole.

Existing (2015) Goals

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: 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, relevant personnel, and interested members of the community on hazard protection, preparedness, 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 website with current information from all departments.

2020 Goals and Objectives

Goal 1: Protect the people, property, and environment in hazard areas.

- Objective 1.A: Examine property protection measures and their applicability to the community.
- Objective 1.B: Protect critical facilities in hazard areas.
- Objective 1.C: Acquire, relocate, elevate, and/or retrofit existing structures, including repetitive loss properties, located in hazard areas.
- Objective 1.D: Encourage homeowners, renters, and businesses to insure their properties against all hazards, including flood coverage under the National Flood Insurance Program (NFIP).
- Objective 1.E: Protect the County's natural resources.

Goal 2: Prevent hazards from impacting the community.

- Objective 2.A: Work with the municipalities to create and/or update land use regulations (e.g., zoning, subdivision, and land development).
- Objective 2.B: Address areas of roadways that are vulnerable to hazard impacts.

Goal 3: Enhance awareness, understanding, and preparedness among local, county, state, and federal emergency management personnel to protect public health and safety.

- Objective 3.A: Ensure adequate communications capabilities among emergency response organizations.
- Objective 3.B: Continue to train municipal Emergency Management Coordinators, relevant personnel, and interested members of the community on hazard protection, preparedness, and response.
- Objective 3.C: Ensure adequate water supply to fight urban and wildland fires.

Goal 4: Ensure that stakeholder groups have necessary information to mitigate against hazard impacts.

- Objective 4.A: Develop public education and outreach programs on hazards and hazard mitigation.
- Objective 4.B: Educate property owners in hazard-risk areas regarding their risks and the precautions they can take.
- Objective 4.C: Encourage residents to implement hazard mitigation and preparedness measures on their properties.

Mitigation Action Plan Review

Existing Mitigation Action	Status					Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	Discontinued	
FC-1. County - 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.			X		X	<ul style="list-style-type: none"> This training is constantly updated and considered a capability.
FC-2. County - 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		<ul style="list-style-type: none"> The county participated in a 6-county regional comprehensive plan through the Southern Alleghenies Planning and Development Commission. Local regulations are being updated to reflect the comprehensive plan.
FC-3. County and All Municipalities - 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.			X		X	<ul style="list-style-type: none"> This is continuously implemented and considered a capability.
FC-4. County and All Municipalities - 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	<ul style="list-style-type: none"> This is continuously implemented and considered a capability. The County marked this as continuous. Bethel Township marked this as in progress.

Existing Mitigation Action	Status					Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	Discontinued	
FC-5. County - Evaluate the need for a voluntary animal waste/manure/fertilizer self-reporting program for farmers, 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.			X			<ul style="list-style-type: none"> The PSU Cooperative Extension should be involved. This action will remain an action for implementation.
FC-6. County - Create and maintain a web-based inventory of the County's special needs population to strengthen emergency response and evacuation operations.		X				<ul style="list-style-type: none"> This action will remain an action for implementation.
FC-7. County - 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.	X					<ul style="list-style-type: none"> This action will remain an action for implementation.
FC-8. County - 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 OIE and the Pennsylvania Domestic Animal Act (Act 100 of 1996).		X				<ul style="list-style-type: none"> The PSU Cooperative Extension should be involved. This action will remain an action for implementation.
FC-9. County - Work with the County's agricultural community to develop and implement the CART to strengthen the County's comprehensive emergency management program.		X				<ul style="list-style-type: none"> The PSU Cooperative Extension should be involved. This action will remain an action for implementation.
FC-10. County - Collaborate with the PADEP 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	<ul style="list-style-type: none"> Press releases about radon are issued. Collaboration occurs on a continuous basis. This action will be considered a capability.

Existing Mitigation Action	Status					Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	Discontinued	
FC-11. Dublin Township - 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.		X				<ul style="list-style-type: none"> The Township received preliminary drawings and will be speaking with the landowner about obtaining the necessary land.
FC-12. 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.		X				<ul style="list-style-type: none"> This project is on the TIP for construction in 2020.
FC-13. Dublin Township - Research corrective action to prevent flooding of Park Road in Dublin Township, and implement, if feasible.					X	<ul style="list-style-type: none"> This project can be removed, as discussed at the December 2016 annual review meeting.
FC-14. Belfast Township - In Belfast Township, cut the bank back at 278 Black Bear Road to improve sight distance and to allow more space on the road.				X		<ul style="list-style-type: none"> Belfast Township marked this complete.
FC-15. 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).		X				<ul style="list-style-type: none"> The Township reported no progress.
FC-16. Ayr Township - In Ayr Township, identify and implement response to manage stormwater runoff along Route 16, from True Value to Citgo Station.		X				<ul style="list-style-type: none"> This project is on the TIP with the PA Route 16 paving project.
FC-17. County and All Municipalities - Conduct workshops and training for municipal officials on the benefits of land use regulations to protect new and existing structures and infrastructure.			X		X	<ul style="list-style-type: none"> Workshops are conducted as needed. This is considered a capability.
FC-18. County - Conduct, sponsor, or facilitate grant-writing trainings for municipal officials and other relevant personnel.			X		X	<ul style="list-style-type: none"> Training sessions are conducted as needed. This is considered a capability.
FC-19. Todd Township - Replace three tiles on Johnstons Drive, in Todd Township, with one squash tile.					X	<ul style="list-style-type: none"> The Township Supervisors do not feel that a squash tile will remedy the situation.
FC-20. Licking Creek Township - Construct a bridge on Creek Road (T-388) in Licking Creek Township over the Creek fording.	X					<ul style="list-style-type: none"> The Township reported no progress.
FC-21. Bethel Township - Increase visibility at the intersection of Great Cove Road (US-522) and Alpine Road in Bethel Township.	X					<ul style="list-style-type: none"> Bethel Township noted that no progress had been made.

Existing Mitigation Action	Status					Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	Discontinued	
FC-22. Bethel Township - Increase visibility at the intersection of Great Cove Road (US-522) and Bethel Church Road in Bethel Township.		X				<ul style="list-style-type: none"> Bethel Township marked this project as in progress.
FC-23. Bethel Township - Increase visibility at the intersection of SR-643 and Spring Road in Bethel Township.	X					<ul style="list-style-type: none"> Bethel Township noted that no progress had been made.
FC-24. Bethel Township - Increase visibility at the intersection of Stoney Break Road and Black Oak Road in Bethel Township.	X					<ul style="list-style-type: none"> Bethel Township noted that no progress had been made.
FC-25. Bethel Township - Increase visibility at the intersection of Buck Valley Road and Mays Chapel Road in Bethel Township.	X					<ul style="list-style-type: none"> Bethel Township noted that no progress had been made.
FC-26. County and All Municipalities - 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 or replacement value 			X		X	<ul style="list-style-type: none"> This is continuously implemented and considered a capability.
FC-27. All Municipalities - Comply with floodplain ordinance regulations by continuing to obtain information for all existing and proposed new structures in the 1-percent chance floodplain to determine the best property protection methods to promote with individual property owners.					X	<ul style="list-style-type: none"> This is continuously implemented and considered a capability.
FC-28. All Municipalities - 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	<ul style="list-style-type: none"> This is continuously implemented and considered a capability.

Existing Mitigation Action	Status					Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	Discontinued	
FC-29. County - 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				<ul style="list-style-type: none"> The County EMA will work with the Department of Forestry to determine what is required.
FC-30. County - Identify and apply for funding to enhance the County's radio system.				X		<ul style="list-style-type: none"> This has been completed.
FC-31. County and All Municipalities - Identify and apply for funding to upgrade emergency responders' radio equipment.			X		X	<ul style="list-style-type: none"> This is continuously implemented and considered a capability.
FC-32. Belfast Township - Install dry hydrant locations along PA-655 to assist the Needmore Fire Company.				X		<ul style="list-style-type: none"> Belfast Township marked this complete.
FC-33. County - Protect natural wetlands that may absorb floodwaters. The benefits of this action would be described in other collateral developed for related initiatives.			X		X	<ul style="list-style-type: none"> This is continuously implemented and considered a capability.
FC-34. County - Implement programs deemed necessary by the Conservation District.			X		X	<ul style="list-style-type: none"> This is continuously implemented and considered a capability.
FC-35. County - 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	<ul style="list-style-type: none"> Education and training are provided as needed. This is considered a capability.
FC-36. County and All Municipalities - 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	<ul style="list-style-type: none"> This is continuously implemented and considered a capability.
FC-37. County and All Municipalities - Seek relevant input from all departments during the pre-impact, impact, and post-impact phases of an emergency.			X		X	<ul style="list-style-type: none"> This is continuously implemented and considered a capability.

Existing Mitigation Action	Status					Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	Discontinued	
FC-38. County and All Municipalities - Identify and fill gaps in information needed to conduct vulnerability analysis in hazard areas.			X		X	<ul style="list-style-type: none"> This is continuously implemented and considered a capability.
FC-39. County and All Municipalities - Evaluate existing road capacity with concern to increased truck and other traffic on local roads, and implement road improvements, as applicable.			X		X	<ul style="list-style-type: none"> This is continuously implemented and considered a capability.
FC-40. 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.		X				<ul style="list-style-type: none"> Thompson Township has applied for multi-modal funds to implement this project.
FC-41. Taylor Township - In Taylor Township, conduct road improvements on Davis Lane (T-423).	X					<ul style="list-style-type: none"> The County reported that this will be completed in 2019. Taylor Township reported no progress.
FC-42. Taylor Township - In Taylor Township, conduct intersection improvements and cut the bank back at Frick Road and Waterfall Road.	X					<ul style="list-style-type: none"> Taylor Township reported no progress.
FC-43. Union Township - In Union Township, conduct intersection improvements at Harmonia Road (S.R. 3002) and Lehman Road (T-308).	X					<ul style="list-style-type: none"> The Township reported no progress.
FC-44. Union Township - In Union Township, conduct intersection improvements at Harmonia Road (S.R. 3002) and Stahle Road (T-314).	X					<ul style="list-style-type: none"> The Township reported no progress.
FC-45. Dublin Township - In Dublin Township, conduct intersection improvements at Waterfall Road (S.R. 475) and Battle Ridge Road (T-426).	X					<ul style="list-style-type: none"> Township supervisors are monitoring the situation.
FC-46. 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.					X	<ul style="list-style-type: none"> Ayr Township marked this project to be discontinued.
FC-47. 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.	X					<ul style="list-style-type: none"> Taylor Township reported no progress.
FC-48. Thompson Township - In Thompson Township, replace the corrugated metal culvert carrying West Orchard Road (T-305) over Ditch Run.		X				<ul style="list-style-type: none"> The Township reported that this action is in progress.

Existing Mitigation Action	Status					Review Comments
	No Progress / Unknown	In Progress/ Not Yet Complete	Continuous	Completed	Discontinued	
FC-49. Union Township - In Union Township, maintain and upgrade Bridge No. 3 on Zachs Ridge Road (T-330), as needed.		X				<ul style="list-style-type: none"> The underpinning and scour protection have been completed. The project remains on the TIP.
FC-50. All Municipalities - Consider promoting or adopting higher regulatory and zoning standards to manage flood hazard risk, specifically through [examples]: <ul style="list-style-type: none"> Support planning board of adjustment variances in cases where appeals are directly tied to compliance with the intent of floodplain regulations (e.g. overall building height; set-backs for inclined walkways). Develop and adopt a cumulative substantial damage/improvements ordinance." 	X					<ul style="list-style-type: none"> No progress was reported by any municipality.
FC-51. County and All Municipalities - Continue to promote future growth and development in the County in areas outside of determined hazard zones, where possible.			X		X	<ul style="list-style-type: none"> This is continuously implemented and considered a capability.
FC-52. County - Request digital copies of Emergency Action Plans (EAP) and inundation maps when high-hazard dam EAPs are next updated.		X			X	<ul style="list-style-type: none"> This is continuously implemented and considered a capability.
FC-52. Mill Road Bridge		X				<ul style="list-style-type: none"> Licking Creek Township received multi-modal funding for this project in 2018. It will begin in summer 2020.



Please provide the following information for the update of actions and initiatives for your mitigation strategy. Suggested actions have been developed based on an analysis of Fulton County's needs and capabilities or were carried over from the previous hazard mitigation plan (HMP) update. If questions do not apply to your municipality, please indicate with N/A.

Please provide as much detail as possible so that mitigation actions can be expanded and customized for your municipality to accurately reflect your capabilities and methods of operation.

1. Which properties in your jurisdiction are most at-risk to flood events and would have the greatest need for retrofitting or other flood hazard mitigation measures? All repetitive loss and severe repetitive loss properties should be included. Specific property addresses do not need to be listed, (to ensure residential privacy) but names of streets or neighborhoods can be included.

2. What public outreach and education actions would you be most interested in implementing?
 - A. Provide general natural hazard risk preparedness and mitigation and related National Flood Insurance Program (NFIP) information in regular newsletters and mailings.
 - B. Provide natural hazard risk and risk reduction information through social media channels and e-mail blast systems.
 - C. Post flyers and other readily available NFIP informational materials at municipal hall or distribute at regular civic meetings.
 - D. Develop/maintain a natural hazard risk management webpage on the municipal website where information and mapping can be posted.
 - E. Encourage regular offerings of the American Red Cross Citizen's Disaster Course and other relevant classes.
 - F. Encourage private business owners and managers of infrastructure that provide critical services in post-disaster situations to develop Continuity of Operations Plans or Business Continuity Plans.
 - G. Enhance public outreach to residents in NFIP floodplain areas to inform them of annual grant opportunities, which may include distributing periodic articles and including handouts in the annual newsletter.
 - H. Other:

3. Which critical facilities still need or would benefit from a backup generator or redundant power supply?



4. Which roads would benefit from mitigation or structural projects to reduce vulnerability to hazardous materials (HazMat) incidents? Also, please specify the types of projects that would most help a high-risk road (for example, lower speed limits), if this information is available.

5. Which roads would benefit from mitigation or structural projects to reduce vulnerability to flood or stormwater incidents? Also, please specify the types of projects that would most help a high-risk road (for example, new/expanded culvert, road elevation, repaving, etc.), if this information is available.

6. What areas in the municipality are still in need of stormwater rehabilitation and upgrades?

7. What other roads in the municipality are considered high-risk and would benefit from improved design, routing, and traffic control functions? Which hazards (if any) are these roads most vulnerable to?

Hazards being profiled in the HMP are dam failure, drought, earthquake, environmental hazards (hazardous materials releases), flood, hailstorm, landslide, radon exposure, subsidence and sinkholes, tornadoes and windstorms, transportation accidents, wildfire, and winter storms.

8. What other mitigation projects are you interested in or targeting for completion during the next 5 years? Please provide as much detail as possible.

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>	



FULTON COUNTY HAZARD MITIGATION PLAN UPDATE
Mitigation Strategy Workshop

SIGN-IN

Wednesday, January 15, 2020 | 6:00 - 8:00 p.m.

NAME / TITLE	AGENCY / ORGANIZATION	E-MAIL ADDRESS	TELEPHONE
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Melissa Deshong	Todd Twp		
Jim Gless	Todd Twp		





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NAME / TITLE	AGENCY / ORGANIZATION	E-MAIL ADDRESS	TELEPHONE
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Brian Bayton	Fulton EMA / 911		
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